



**University of Southern Indiana
2014-15 Bulletin**



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University of Southern Indiana Undergraduate Bulletin

The University of Southern Indiana bulletin is the official source of the university's academic programs, courses, policies, and procedures. The bulletin should be used as a guide in planning a course of study and in meeting requirements for graduation. Select the search options at the upper left to find specific information or click on one of the navigation links.

The course offerings and requirements of the University of Southern Indiana are continually under examination and revision. This bulletin is not intended to state contractual terms and should not be regarded as a contract between the student and the institution.

Current information about the university can be also be found at:

The University of Southern Indiana Homepage	http://www.usi.edu
Undergraduate Admissions	http://www.usi.edu/admission
Office of the Registrar	http://www.usi.edu/registrar
Office of Student Financial Assistance	http://www.usi.edu/finaid/index.asp
Office of the Bursar	http://www.usi.edu/busoff/bursar_default.asp
Dean of Students Office	http://www.usi.edu/deanofstudents
Office of Graduate Studies	http://www.usi.edu/graduatestudies/
Housing and Residence Life	http://www.usi.edu/housing/

Please note that the University of Southern Indiana's *Student Rights and Responsibilities: A Code of Student Behavior* is subject to change. The Dean of Students Office will notify students by email prior to the beginning of each semester or as changes are adopted.

The University, through appropriate processes, reserves the right to add, amend, or repeal programs, policies, procedures, regulations, fees, and announcements contained in this bulletin.

It is the policy of the University of Southern Indiana to be in full compliance with all federal and state non-discrimination and equal opportunity laws, orders, and regulations relating to race, sex, religion, disability, age, national origin, sexual orientation, or veteran status.

Questions or concerns should be directed to the director of Affirmative Action, USI Human Resources Department, Room FA 166, University of Southern Indiana, 8600 University Boulevard, Evansville, Indiana 47712-3596 (Telephone: 812/464-1815). Office hours are 8 a.m. to 4:30 p.m. Monday—Friday.

The University of Southern Indiana is a tobacco-free campus.

Contact Information

This bulletin is designed to answer most questions which may be asked about the University of Southern Indiana. If further information is needed, inquiries may be addressed to the appropriate member of the faculty or officers of the University. Prospective students should write or telephone:

University of Southern Indiana
Office of Admission
8600 University Boulevard
Evansville, Indiana 47712-3597
Telephone: 812/464-1765
or Toll Free: 800/467-1965 (option #1)
Office hours: 8 a.m. to 4:30 p.m. Monday—Friday
You can also visit us at www.usi.edu

Published by University of Southern Indiana

The University

The University of Southern Indiana is a comprehensive public university with a Board of Trustees appointed by the Governor of Indiana. The University offers more than 70 majors through the colleges of Business; Liberal Arts; Nursing and Health Professions; Science, Engineering, and Education; and the Division of Outreach and Engagement. It is authorized to confer degrees through the doctoral level.

The University serves almost 10,500 students annually in credit programs and an equal number of students in noncredit and community service programs. There are more than 32,000 degree recipients.

The University has been developed according to a master plan and is located on a 1,400-acre campus near Evansville, Indiana, a metropolitan area of 300,000 that serves as the fine arts, cultural, commercial, and healthcare center for the Indiana, Kentucky, and Illinois Tri-state area. The University strives to be accessible and responsive to regional and state educational needs.

The University Mission

Mission Statement: USI is an engaged learning community advancing education and knowledge, enhancing civic and cultural awareness, and fostering partnerships through comprehensive outreach programs. We prepare individuals to live wisely in a diverse and global community. The University's vision statement is "Shaping the future through learning and innovation."

The mission and vision statements grew out of a strategic planning process that was approved by the University's Board of Trustees in July 2010. Through 2015, USI will focus on enhancing experiential learning, improving student success in degree attainment, nurturing a vibrant campus community, providing leadership to the surrounding region and state, increasing diversity, and becoming a 24/7 campus with activities and learning opportunities beyond classroom walls. Learn more about the Strategic Plan at www.usi.edu/strategicplan.

The University was established in 1965 as a branch campus of Indiana State University with a regional mission, in response to a need for public higher education in southwestern Indiana. In 1985, the legislature created the University of Southern Indiana as a separate statewide public university. This change in structure and mission was best delineated by then-Governor Robert D. Orr in his charge to the Board of Trustees at its first meeting: "You have a statutory mission that is laid out in the bill passed by the legislature, and it is going to take a lot of effort on the part of everyone to live up to those requirements as they have been spelled out by the Indiana General Assembly. This is now a statewide institution, and it is important that this point be emphasized. Heretofore, this has been a branch campus of Indiana State University, and it has been understood to be regional in nature. It was created to accomplish a regional mission... just as other branch campuses around the state. Now this is a state institution in the fullest sense of the word."

Community leaders have supported the University in providing a solid base for its present success and future growth. The University is expected to grow moderately in the years ahead as it seeks to positively affect postsecondary attainment levels in Indiana. To this end, the University emphasizes programs and services for traditional college-age students as well as for part-time, commuting, and adult learners. It has developed partnerships with high schools and has expanded opportunities for individuals in the workplace. The University is an institution chosen by students for the strength of its academic programs and the quality of its student life.

A board of nine trustees, appointed by the Governor, governs the University. The Board of Trustees must include one alumnus of the University, one current student, and one resident of Vanderburgh County. Trustee terms are four years, except the student term, which is two years. The board has powers and duties common to other public postsecondary institutions in the State of Indiana.

Excellence in teaching continues to be the most important criterion in faculty recruitment. At the same time, the ability to do research, to engage in continuous scholarly and creative work, and to provide service, primarily to the region and the state, will be important additional qualifications.

A major emphasis of the University of Southern Indiana is the delivery of credit programs. The primary curricular offerings include liberal arts, pre-professional, professional, technical, and occupational programs at the associate, baccalaureate, master's, and doctoral levels. The University provides comprehensive outreach and public service programs of short duration including workshops, conferences, seminars, and instructional courses. These programs will increase as the University continues to address economic, social, and cultural needs in the region as well as in the state. USI's location in Evansville, the center of a predominantly rural region dotted with smaller population centers, gives it opportunities to increase educational access by both traditional means and through distance learning.

The University welcomes appropriate partnerships for providing services to its constituency and cooperates with public and private universities, hospitals, and libraries to achieve this objective. The University participates with area business, industry, social, and governmental agencies for research and development related to the problems and concerns of business development, labor-management relations, tourism and recreation, healthcare delivery, gerontology, energy development, and environmental-quality analysis. Community groups often use campus facilities for meetings, programs, services, and instruction.

In cooperation with the Indiana Department of Natural Resources, USI manages historic properties and tourism programs in New Harmony, Indiana, a community with a rich intellectual and cultural heritage. The community provides opportunities for research and laboratory learning experiences to benefit both the town and the University.

USI provides a comprehensive range of support services for students. These include academic skills development, child care, counseling, financial aid, placement, housing, health services, religious life, student activities, and both recreational and intercollegiate athletics. The University of Southern Indiana participates in NCAA Division II intercollegiate athletics and is a member of the Great Lakes Valley Conference.

Accreditation and Memberships

The University of Southern Indiana is accredited by: The Higher Learning Commission of the North Central Association of Colleges and Schools, 30 North LaSalle Street, Suite 2400, Chicago, Illinois 60602-2504, Telephone: 312/263-0456.

USI also holds the following accreditations:

- Association to Advance Collegiate Schools of Business
- Accreditation Council for Occupational Therapy Education
- Accrediting Council on Education in Journalism and Mass Communications
- American Chemical Society
- Association of University Programs in Health Administration Certification
- Commission on Accreditation of Allied Health Education Programs
- Commission on Collegiate Nursing Education
- Commission on Dental Accreditation
- Committee on Accreditation for Respiratory Care
- Council on Social Work Education
- Engineering Accreditation Commission
- Indiana State Board of Nursing
- Joint Review Committee on Education in Radiologic Technology

- National Association for the Education of Young Children
- National Council for Accreditation of Teacher Education

The University holds membership in the following:

- American Association of State Colleges and Universities
- American Association of Colleges for Teacher Education
- American Association of University Women
- American Association of University Professors
- American Association for Collegiate Registrars and Admissions Officers
- American College Personnel Association
- American Council on Education
- Association for General and Liberal Studies
- Association of College Conference Centers and Event Directors International
- Association of College Unions International
- Association of Fundraising Professionals
- Association of Governing Boards
- College and University Personnel Association
- Council for Advancement and Support of Education
- Council of International Education Exchange
- Council on Undergraduate Research
- Evansville-Area Personnel Association, Inc.
- Indiana Association for Collegiate Registrars and Admissions Officers
- Indiana Conference of Higher Education
- Indiana Council for Advancement and Support of Education
- Indiana Council for Continuing Education
- Institute of International Education
- International Publishing Management Association
- International Student Exchange Program
- The Chamber of Commerce of Southwest Indiana
- NAFSA: Association of International Educators
- National Association for Printing Leadership
- National Association of College and University Business Officers
- National Collegiate Honors Council
- National Committee on Planned Giving
- Student Affairs Administrators in Higher Education
- The Higher Learning Commission of the North Central Association of Colleges and Schools
- University Economic Development Association
- University Professional and Continuing Education Association

Information on how to contact any of these agencies is available in the office of the Provost.

University Board of Trustees

The University is governed by the Board of Trustees, composed of nine citizens appointed by the Governor of the State of Indiana. The trustees meet every other month.

Trustees

Ira G. Boots, Evansville
W. Harold Calloway, Evansville
John M. Dunn, Evansville
Susan E. Elsperman '13, Newburgh
Jeffrey L. Knight, Evansville
Amy W. MacDonell, Indianapolis
Ronald D. Romain '73, Evansville
Kenneth L. Sendelweck '76, Jasper
Ted C. Ziemer Jr., Evansville

Officers of the University

Linda L. M. Bennett, President
Ronald S. Rochon, Provost
Cynthia S. Brinker, Vice President for Government and University Relations
Mark Rozewski, Vice President for Finance and Administration

Academic Programs

The University of Southern Indiana is committed to high standards for student academic achievement and conduct, developing a strong faculty, advancing technological innovation, and providing personalized attention to actions and outcomes. Excellence in teaching and learning is a primary goal of the University, as is the encouragement of students and faculty to engage in creative activity, diverse scholarship, applied research, and service and outreach activities. These academic goals are designed to expand knowledge, improve instruction, increase learning, and provide optimum service to the University and the region.

The University offers an array of undergraduate programs and select graduate programs designed to foster an atmosphere conducive to study, teaching, free exchange of ideas, ethical inquiry and responsible citizenry. Essential to fulfilling this commitment is the development of teaching faculty who excel in their roles as educators, creative scholars, and researchers, thereby benefiting the profession, the University, the region, and society. Specific requirements for associate's, bachelor's, master's, and doctoral degrees are described in this bulletin.

Public and Professional Services

In addition to its academic programs for students, the University offers many cultural, recreational, and social programs to students and the general public. Continuing education classes, musical productions, guest lectures, athletic events, and theatrical performances are open to the public.

Many faculty members perform research services and are consultants to schools, business, industry, and governmental agencies. Information is available in the Office of News and Information Services.

University Facilities

The **Applied Engineering Center**, scheduled to open in fall 2013, is home to laboratories that will provide USI students and regional industry with access to state-of-the-art manufacturing equipment. The laboratories house over \$3 million in recently-acquired machinery for the production of assemblies from metal, plastics, and wood products. The automation equipment in the building will be used to teach students and industry about lean manufacturing and process optimization. Regional industries are able to tap into the center's capabilities through USI's Center for Applied Research and Economic Development.

The **Business and Engineering Center**, which opened in fall 2010, houses the Romain College of Business and the Engineering Department. Along with classrooms, laboratories, and faculty offices, the facility features nearly 11,500 square feet of common space intended to encourage collaboration by allowing students and faculty to continue conversations begun in class or interact

with those in other areas of study. The Business and Engineering Center also provides laboratories for study of the stock market, entrepreneurship, sales, and sales management, and engineering facilities including a design center, a radio-frequency shielded room, and laboratories for physics, vibration, materials testing, soils, and surveying.

The **Education Center** houses classrooms, laboratories, advising center, and offices for the Department of Teacher Education. University Division offices are also here, along with the Social Work Department, ROTC offices, and Veterans' Support Services. The Couch-Renner Lecture Hall is located in the Education Center.

The **Health Professions Center** is a classroom and office building housing the College of Nursing and Health Professions. The Indiana University School of Medicine Evansville is located on the third floor of the facility. Features of the Health Professions Center include the 450-seat Mitchell Auditorium, the Charles E. Day Learning Resource Center, a dental hygiene clinic and dental laboratory, lecture rooms, classrooms, instructional laboratories, an advising center, seminar rooms, faculty offices, and the Student Health Center.

The **Liberal Arts Center** offers state-of-the-art instructional areas and offices for the College of Liberal Arts. Included are the Kenneth P. McCutchan Art Center/Palmina F. and Stephen S. Pace Galleries, Helen Mallette Studio Theatre, Clifford and Ruth Kleymeyer Lecture Hall, Anna Lee Hamilton Music Studio, Scripps-Howard Center for Media Studies (which includes the William R. Burleigh Media Resources Center, the Scripps-Howard Digital Arts Laboratory, and the Scripps-Howard Video Production Complex), Cynderella McDowell Miller Foreign Language Laboratory, and WSWI Radio Station.

The **Robert D. Orr Center** is a classroom and office building housing many of the student services departments. Offices of the English Department are located there, along with the Offices of Admission, Student Financial Assistance, Registrar, Counseling, Graduate Studies and Sponsored Research, the Honors Program, Information Technology, Career Counseling, Career Services and Placement, and the Business Office, including the Cashier. Students may pay fees and cash checks at the cashier's window on the lower level.

The **Physical Activities Center (PAC)** provides instructional space for physical education and recreation programs as well as offices for the Athletics Department and the Department of Kinesiology and Sport. Included in the building are the aquatics area, specialized physical education and service facilities, classrooms, locker rooms and team rooms, and multi-purpose activity areas. The PAC has a seating capacity of 3,600 and serves as the home court for indoor sports programs.

The **Publishing Services Center** provides space for News and Information Services, including news bureau and photography; and for Publishing Services, which includes graphic design, photocopying, printing, and bindery. A centralized copy center with enhanced copying and bindery services is located here as well.

The **Recreation, Fitness, and Wellness Center (RFWC)** provides a wide variety of programs and services supportive of a wellness lifestyle. The RFWC features a state-of-the-art exercise and weight-training area; two wooden courts for basketball, volleyball, and badminton; an elevated four-lane jogging track; a rock climbing tower and wall; group exercise rooms; and lockers and showers. Students, faculty, and staff can enjoy leisure time on their own or with University friends.

David L. Rice Library, named for the first president of USI, houses the University's library collections, including reference materials, the general book collection, periodicals, media, and the University Archives and Special Collections. The building features group-study rooms, three reading rooms, and a variety of seating choices. A coffee shop is located on the ground floor.

The **Science Center** adjoins the Wright Administration Building and the Education Center. In addition to laboratories and classrooms, the Science Center houses offices for the Pott College of Science, Engineering, and Education (for Engineering, see the Business and Engineering Center). The Torrington Science Research Laboratory and the Black Beauty Coal Chemistry Laboratory provide state-of-the-art instructional areas for chemistry. The Torrington Wing of the Science Center has classrooms, labs, and offices.

The **Support Services Building** houses Distribution Services, Procurement Services, Risk Management and Safety, Maintenance, and other administrative offices.

The **Technology Center** houses offices for the Art and Theatre faculty, and provides classrooms and other facilities for programs of those departments. The **Ceramics Center** and the **Art Studio** are located adjacent to the Technology Center.

The **University Center** is located strategically in the center of campus where students and faculty may convene for informal meetings, meals, study, social activities, recreation, open discussions, or formal campus occasions. With a major expansion (University Center East) that opened in spring 2011, the University Center provides space for student organization offices, conference rooms, lounge facilities, food services, and the University Bookstore. Offices for the Dean of Students, Student Involvement Center, Multicultural Center, Student Development, and Student Publications are located here. The UC also houses the Division of Outreach and Engagement, Special Events and Scheduling Services, International Programs and Services, and the Center for Academic Creativity. **Carter Hall**, located on the upper level of the University Center West, accommodates groups for seminars, workshops, meetings, luncheons, dinners, or dances. The **USI Theatre, Scene Shop, and Costume Shop** are located three miles east of campus at 3001 Igleheart Avenue. A **Teaching Theatre** is under construction on campus and is expected to be complete in Fall 2014.

The **Byron C. Wright Administration Building** houses administrative offices including those of the President, the Provost, Business Affairs, and Government and University Relations. Also located here are offices of Special Projects and Research Administration; Planning Research, and Assessment; Budgeting and Foundation Accounting; and Internal Audit. The Forum Wing of the Wright Administration Building houses offices for Human Resources, Travel Services, and Information Technology, along with lecture halls and classrooms.

The O'Daniel and McDonald Apartments provide apartment-style housing for students. Four residence halls – Fred C. Newman Hall, Frank O'Bannon Hall, Henry and Betty Jane Ruston Hall, and Governors Hall – offer suite-style housing with computer labs and meeting rooms. The Robert J. Fair Residence Life Center, located in the McDonald complex, contains Housing and Residence Life staff offices and a computer laboratory. The Residence Life Community Center has a 1,500 square foot lounge with comfortable furniture, tables and chairs, a fireplace, laundry facilities, computer lab, and direct entry to Eagle Xpress and Archies Pizzeria. The Residence Life Service Center houses Religious Life, laundry facilities, and the Office of Student Conduct and Resolution Services.

2014–2015 Calendar

Fall Semester – 2014

August 19, Tuesday

August 20 and 22, Wednesday and Friday

August 25, Monday

August 25–29, Monday–Friday

August 29, Friday

September 1, Monday

September 2–5, Tuesday–Friday

September 5, Friday

September 12, Friday

September 19, Friday

September 30, Tuesday

October 1, Wednesday

October 13–14, Monday–Tuesday

October 24, Friday

November 3–14, Monday–Friday

August 25–December 17, 2014

University Meetings

Registration

Classes Begin

Schedule Revision Period

End 100% Refund Period and Late Registration

Labor Day, No Classes, University Closed

Pass/No Pass Option Period

End 75% Refund Period

End 50% Refund Period

End 25% Refund Period

Fall Assessment Day, No Classes

Spring or Summer 2015 Formal
Application for Graduation deadline

Fall Break, No Classes

Last Day to Drop/Withdraw Without Evaluation

Priority Registration for Spring and Summer 2015

November 26, Wednesday	Thanksgiving Recess, No Classes
November 27–30, Thursday–Sunday	Thanksgiving Recess, No Classes, University Closed
December 10, Wednesday	No Classes, study day
December 10, Wednesday	Schedule Revisions/Withdrawals End
December 11–17, Thursday–Wednesday	Final Exams
December 13, Saturday	Fall Commencement
December 17, Wednesday	Fall Semester Ends

Spring Semester – 2015

January 7, Wednesday
January 8–9, Thursday–Friday
January 12, Monday
January 12–16, Monday–Friday
January 16, Friday
January 19, Monday
January 19–23, Monday–Friday
January 23, Friday
January 30, Friday
February 6, Friday
March 1, Sunday
March 9–14, Monday–Saturday
March 20, Friday
March 26, Thursday
April 3, Friday
April 6–17, Monday–Friday
April 29, Wednesday
April 29, Wednesday
April 30–May 6, Thursday–Wednesday
May 1–2, Friday–Saturday
May 6, Wednesday

First Summer Session – 2015

May 12, Tuesday
May 13, Wednesday
May 13–14, Wednesday–Thursday*
May 13–15, Wednesday–Friday
May 15, Thursday*

January 12–May 6, 2015

University Meetings
Registration
Classes Begin
Schedule Revision Period
End 100% Refund Period and Late Registration
Martin Luther King Day, No Classes
Pass/No Pass Option Period
End 75% Refund Period
End 50% Refund Period
End 25% Refund Period
Fall 2015 Formal Application for Graduation deadline
Spring Recess, No Classes
Last Day to Drop/Withdraw Without Evaluation
Spring Assessment Day, No Classes
No Classes, University Closed
Priority Registration for Fall 2015
No Classes, study day
Schedule Revisions/Withdrawals End
Final Exams
Spring Commencement weekend
Spring Semester Ends

May 13–June 12, 2015

Registration
Classes Begin
Schedule Revision Period
Pass/No Pass Option Period
End 100% Refund Period and Late Registration

May 18, Monday*	End 75% Refund Period
May 20, Wednesday*	End 50% Refund Period
May 22, Friday*	End 25% Refund Period
May 25, Monday	Memorial Day/No Classes/University Closed
June 2, Tuesday*	Last Day to Drop/Withdraw Without Evaluation
June 12, Friday	First Summer session ends

Second Summer Session – 2015

June 12, Friday
June 15, Monday
June 15–16, Monday–Tuesday*
June 15–17, Monday–Wednesday
June 16, Tuesday*
June 18, Thursday*
June 22, Monday*
June 24, Wednesday*
July 2, Thursday*
July 3, Friday
July 17, Friday

June 15–July 17, 2015

Registration
Classes Begin
Schedule Revision Period
Pass/No Pass Option Period
End 100% Refund Period and Late Registration
End 75% Refund Period
End 50% Refund Period
End 25% Refund Period
Last Day to Drop/Withdraw Without Evaluation
Independence Day/No Classes/University Closed
Second Summer session ends

Third Summer Session – 2015

July 17, Friday
July 20, Monday
July 20–21, Monday–Tuesday*
July 20–22, Monday–Wednesday
July 21, Tuesday*
July 22, Wednesday*
July 23, Thursday*
July 24, Friday*
August 4, Tuesday*
August 14, Friday*

July 20–August 14, 2015

Registration
Classes Begin
Schedule Revision Period
Pass/No Pass Option Period
End 100% Refund Period and Late Registration
End 75% Refund Period
End 50% Refund Period
End 25% Refund Period
Last Day to Drop/Withdraw Without Evaluation
Third Summer session ends

*** The calendar shown here lists schedule revision, refund, and drop/withdrawal dates for summer courses offered for the typical length (five weeks in First and Second summer, four weeks in Third summer). Cross-term courses and courses meeting other than the standard length have different dates. Contact the Office of the Registrar for these dates.**

Admission

Undergraduate Admission Requirements and Procedures

Beginning Freshmen

In order to qualify for admission to the University of Southern Indiana, new freshmen students are considered for acceptance based on their high school GPA and curriculum, standardized test scores, and other evidence of the applicant's potential for academic success.

Each freshman applicant is reviewed on an individual basis and is evaluated on the following areas from his/her high school transcript:

- Four years of English
- Three to four years of laboratory science
- Three years of social science
- Three to four years of mathematics

Transcripts recording any coursework completed while in high school that could be considered for college credit including university level/dual credit courses, Advanced Placement (AP), College Level Examination Program (CLEP), or International Baccalaureate (IB), should be submitted with the Application for Undergraduate Admission.

Admission to the University does not guarantee acceptance into a specified area of study, department, or college. Further information about the requirements of major programs and/or colleges may be obtained from the respective academic department.

Homeschooled Students

The University of Southern Indiana welcomes applications for University admission from homeschooled students. Homeschooled students have been part of the academic community for many years and the University recognizes the important contributions that these students make both in the classroom and as a part of student life on the campus. The University makes a deliberate effort to accommodate the special circumstances of homeschoolers in the admission process.

Applicants for admission who have not fulfilled a college preparatory curriculum are considered for admission on an individual basis. Grade point average, curriculum, standardized test scores (SAT, ACT), and other evidence of the applicant's potential for academic success are considered in the admission decision.

Qualified homeschooled students are eligible for consideration of institutional scholarships. Homeschooled students applying for academic scholarships are evaluated on the same basis as all other students. Grade point average and standardized test scores (SAT, ACT) serve as the primary criteria.

Transcripts

The University understands that the academic transcripts of homeschooled students may differ from those of public and private high school students. Homeschooled transcripts are required for admission to the University and they should include:

- An assessment of academic performance (letter grades, percentages), including an explanation of any applicable grading scale or class ranking
- A list of all high school equivalent courses taken, and the timeframe in which the courses were completed (year and semester)

If students have completed course work concurrently at a college or university, include official transcript(s) from the institution(s) with your application for admission.

Admission of homeschooled students to the University of Southern Indiana does not guarantee acceptance into a specific program of study, department, or college. Further information concerning the academic requirements of major programs and/or colleges may be obtained from the respective academic department.

Standardized Test Scores

All students applying for admission to the University of Southern Indiana are required to take either the Scholastic Aptitude Test (SAT) or the American College Test (ACT). These tests should be taken prior to application to the University.

Beginning freshmen should take one of these examinations in the latter part of the junior year or early in the senior year in high school. Each applicant should consult his or her high school guidance office for detailed information on test dates, test centers, registration forms, registration periods, and deadlines. This information also may be obtained by visiting www.actstudent.org or www.collegeboard.com. If a student already has taken one of the required tests and the University of Southern Indiana was not designated to receive the results, he or she should do one of the following: (1) contact the National Testing Center and request the scores be sent to the University, or (2) request that the high school send the test scores to the USI Office of Admission. A student who did not take the SAT/ACT while in high school should contact ACT or SAT for test registration information. Students transferring from another university might be required to take either test. Check with the Office of Admission for more information.

Transfer Students

In evaluating applications for transfer admission, factors which will be considered are: (1) academic performance at each college attended; (2) academic performance from high school; and (3) personal qualifications and citizenship. The applicant also may be asked to: (1) have an interview with a member of the Admission staff; and (2) provide scores obtained on either the ACT or SAT exam.

A student desiring to transfer from another accredited college will need to submit an application for admission, high school transcript, and one official transcript from each college attended. A transfer student should have a minimum cumulative average of C and be in good standing at the institution from which he or she is transferring. An applicant with less than C cumulative average will be reviewed on an individual basis. Under no circumstances will the applicant's previous college work be disregarded.

Transfer Credit Policy

Course credits earned from regionally accredited colleges and universities will be accepted as transfer credit subject to the following guidelines:

1. Only courses with grades of C or better will transfer (minus grades from other colleges and universities will be upgraded to the standard letter grade (ex. B- to B). Grade point averages do not transfer.
2. Orientation courses will not be accepted as transfer credit, nor will coursework from academic departments which have no counterpart in the USI curriculum.
3. Noncredit courses earned at previous colleges or universities will not transfer.
4. Even though credit hours are transferable, the transferred hours may not necessarily apply toward a particular degree program. The applicability of credits toward a particular degree, as well as the Core 39, can be determined in counsel with the appropriate departmental advisor.
5. A maximum of 60 credit hours may be transferred from regionally accredited community and/or junior colleges.

A student's overall transfer grade point average will not be recorded on the student's transcript. Consequently, a transfer student will establish a grade point average from the University of Southern Indiana based only on courses taken at this University. A transfer student must, however, meet the requirements for continued enrollment which correspond to the sum of the total transfer hours accepted and total hours attempted at this University. Also, all hours attempted at previous universities will be summed with courses taken at this University in computing graduation honors.

Credit for Associate and Occupational Degree Programs

There are several programs at USI for which articulation agreements, allowing transfer of specific courses or blocks of credit, have been developed with other institutions in the area. The Bachelor of General Studies program offers graduates with Associate in Applied Science degree programs (such as those offered at Ivy Tech) the opportunity to receive recognition of their studies in the form of a block of credit hours. Students in regionally-accredited associate or occupational degree programs who are interested in obtaining a baccalaureate degree at USI are encouraged to obtain specific information about credit-transfer options as early in their college careers as possible. Other procedures for the recognition of educational experience include credit by examination, departmental examination, advanced placement, and CLEP. Additional details about all of these methods for obtaining credit for prior educational experience are available from the Office of the Registrar.

Tentative Acceptance for Admission

The Office of Admission may offer tentative acceptance for admission to transfer students who have not completed the full requirements for admission by the beginning of the first term of attendance. Transfer students who enter the University without complete credentials for admission will be required to submit the appropriate credentials as a prerequisite to their continued enrollment. Required credentials must be submitted to the Office of Admission within the semester of initial enrollment. Continued enrollment is conditional upon compliance with the admission requirements which were in effect at the time of the student's initial enrollment in the University.

Non Degree-Seeking Student

A student applying under this category must be 18 years of age or older and must have graduated from a Department of Education-commissioned high school. The pursuit of a degree may not be an immediate objective for the Non Degree-Seeking Student. The applicant should complete the regular application for admission. The Non Degree-Seeking Student is also required to submit the most recent college/high school transcript. However, if the student later decides to pursue a degree, all pertinent academic documents must then be submitted to the Office of the Registrar for consideration as a degree-seeking student.

Notice of Admission

An application will be acted on promptly upon receipt of all required materials. Applicants will be notified immediately of their admission status.

Step-by-Step Admission Procedure

The student desiring admission should provide the following items:

1. Completed Application for Undergraduate Admission
Apply for undergraduate admission online at www.usi.edu/admission/apply-now.
2. Official transcripts from all high schools and colleges previously attended
3. Submit SAT or ACT scores. Students must complete the Scholastic Aptitude Test (SAT), or the American College Test (ACT) in order to be admitted to the University of Southern Indiana.
4. Pay the non-refundable application fee.
5. When all steps listed above are completed, the applicant's admission will be complete and the applicant will be notified of the decision on admission to the University. Prior to the beginning of the semester, detailed information relating to orientation, academic advisement, and registration for classes will be communicated to the student. This information will provide specific dates, times, and places for the orientation, advisement, and registration activities.

GED Test Admission

An individual 18 years of age or over who is not a high school graduate may be admitted on the basis of an achievement test certificate and score report. This certificate may be granted as a result of satisfactory scores on the General Educational Development (GED) test.

NOTE: Applicants who have been schooled in settings other than a commissioned high school and who are less than 18 years of age will be reviewed individually by the director of Admission. Scores from the SAT or ACT are required and completion of the GED test or other high school equivalency test is strongly recommended.

High School Agreement Program

A high school junior or senior who is approaching graduation may be admitted to the University upon approval from the high school principal or guidance counselor, the student's parents, and the director of Admission.

A superior high school student may be admitted for the summer sessions between the junior and senior years of high school. Approval must be obtained from the parents, high school counselor or principal, and the director of Admission.

Required application materials include (1) the regular application for admission; (2) the high school transcript; and (3) the high school agreement form. Applicants who have been schooled in settings other than a commissioned high school and who apply for the High School Agreement Program also must submit scores from either the SAT or ACT nationally standardized testing programs. The final decision on all High School Agreement applicants will be made by the director of Admission.

Admission to College of Nursing and Health Professions Programs

A person seeking admission to dental assisting, dental hygiene, dietetics, nursing, occupational therapy assistant, respiratory therapy, and radiologic and imaging sciences must first be admitted to the University and then to the program. An application must be submitted to the Office of Admission prior to submitting a departmental application to the particular health professions program. For additional information on the health professions programs go to the web site: health.usi.edu or contact the College of Nursing and Health Professions, University of Southern Indiana, 8600 University Boulevard, Evansville, Indiana 47712.

Admission of International Students

International applications are accepted on a rolling basis throughout the year. An international student who will enter the U.S. on a nonresident student visa (F-1 or J-1) should apply well in advance of the semester in which the student plans to commence studies. In order to receive consideration for admission the student must submit:

- A completed international application for admission with application fee (application materials are accessible at www.usi.edu/admission/international-students);
- Official results from the Test of English as a Foreign Language (TOEFL), APIEL, or IELTS exams. If English is the native language, in lieu of TOEFL send official results of either the Scholastic Aptitude Test (SAT) or American College Test (ACT);
- Complete and attested copies of academic records (in English) from each high school (with graduation date), college, or university attended;
- Statement of Finances with supporting documentation in U.S. dollars;
- If transferring to USI from another U.S. school or university, submit an International Student Status Form.

Advanced credit may be given for International Baccalaureate higher examinations, British GCE Advanced Levels, Advanced Placement examinations, or CLEP tests.

Exchange students participating in an established exchange program between their home institution and USI should contact the international office at their institution to apply to the program.

For additional assistance with the application process and information specific to a country, international students should contact a local U.S. Embassy, U.S. Consulate, or U.S. Information Service for referral to the closest educational adviser. Information on educational advising centers also is available from the U.S. Department of State web site at www.educationusa.info/centers.php.

Intensive English

An English as a Second Language (ESL) program is offered through the department of English. Upon successful completion of the ESL curriculum and submission of all required documents, qualified students will be admitted to a degree program without submitting a TOEFL score.

Study Abroad Opportunities

The University offers study abroad opportunities in 60 countries through the International Student Exchange Program (ISEP), CEA, CIEE, AustraLearn, and cooperative agreements with several other institutions, including the University of Evansville's Harlaxton College in England. With advance planning, it is possible for students in virtually any major to participate in an international program. Programs offer a variety of experiences, from specialized courses taught entirely in English or short-term programs led by USI faculty to direct enrollment in the international university. Students receive USI credit for the coursework completed during the summer, semester, or academic year.

The University is committed to making study abroad affordable as well as accessible to all students. The costs of some study abroad programs are based on tuition and room and board at USI. Other program fees are based on the costs of the host university or the sponsoring agency such as CIEE. The program fees for all USI-approved study abroad programs are charged through USI, which allows students to apply most forms of scholarships and other financial aid toward those fees. Additional information is available from the Office of International Programs and Services at 812/465-1248.

Servicemembers Opportunity College

The University is a member of Servicemembers Opportunity Colleges (SOC), a consortium of national higher education associations. As such, it cooperates with the Department of Defense, the Military Services, the National Guard Bureau, and the Coast Guard to help meet the higher education needs of Service members.

Programs for Spouses and Retirees

Special reduced-fee programs are available for spouses of full-time students and for retired people. See the Financial Assistance section for details.

Application Deadlines

An application for admission should be submitted well in advance of the term in which the student plans to enroll. A beginning freshman should complete the admission procedures early in the senior year of high school. The following deadlines have been established for students in order that maximum consideration and assistance can be given to each applicant.

Fall Semester	August 15
Spring Semester	December 15
Summer Session 1	May 1
Summer Session 2	June 1

Summer Session 3

July 1

Exception to these deadlines can be made only with special approval of the director of Admission.

Credit by Examination

The University credit by examination program is designed to recognize superior learning experiences and translate that experience into college credit. It helps a student gain recognition for what the student knows and can do irrespective of how, where, and when the knowledge was obtained. Candidates for credit by examination need to contact the department of the specific exam subject.

Advanced Placement Program (AP)

The Advanced Placement program is a testing program of the College Entrance Examination Board (CEEB). It is a special college-level learning experience of the high school student which can take the form of an honors class, a strong regular course, tutorial, or independent study.

Any high school sophomore, junior, or senior who has participated in the Advanced Placement program (AP) during high school, or has developed an equivalent background through the student's own initiative, may make arrangements to be tested in any or all of the following 17 areas:

Art, History, English, Physics, Biology, Environmental Studies, Psychology, Calculus, French, Spanish, Chemistry, German, Statistics, Chinese, History, US Government, Economics, Japanese

Tests are given once a year during the third week in May. Participating high schools with Advanced Placement programs may administer their own tests. A student attending a non-participating school may take the qualifying exams at any participating school. The minimum score one must attain to receive credit is three, with five being the highest possible score. For assistance in making test arrangements, write to:

Program Director
College Board Advanced Placement Program
Box 977
Princeton, New Jersey 08540

College Entrance Examination Board SAT II

A student is not required to take the SAT II, but is encouraged to do so while in the junior or senior year of high school. These tests should be taken especially if the student has gained a high degree of proficiency in certain areas. A high school student should contact the high school counselor for registration materials and further information.

College Level Examination Program (CLEP)

1. General Exams measure achievement in four five basic areas of general education: English composition, humanities, mathematics, natural sciences, and social sciences. Credit for successful completion of the general examinations is granted for general education courses. NOTE: A student who has earned 24 credit hours of college credit is not eligible to receive credit for general exams; however, may take subject exams for up to 94 hours of credit. In addition, a student must take the mathematics general exam prior to the official mid-term date of the student's first college-level mathematics course.
2. Subject Examinations of CLEP To supplement the general examinations of CLEP, the subject examinations cover specific academic areas. The subject examinations which are eligible for credit at the present time are:
 - American Government

- American History II (1865-Present)
- American History I (Beginning-1877)
- Analysis and Interpretation of Literature
- Biology, General
- Business Law, Introductory
- Calculus with Elementary Functions
- Chemistry, General
- College Algebra
- College Composition Modular
- Financial Accounting
- Macroeconomics, Introductory
- Management, Introductory
- Marketing, Introductory
- Microeconomics, Introductory
- Psychology, General
- Sociology, Introductory
- Trigonometry
- Western Civilization II (1648-Present)
- Western Civilization I (Ancient-1648)

Registration for the CLEP examinations may be made through the Workforce Certification Center at Ivy Tech at 812/429-9852.

Departmental Examinations

There are several departmental exams through which students can be awarded credit, provided the student demonstrates a level of proficiency satisfactory to the department involved. In order to be eligible for a departmental exam, the student must be in good standing and regularly enrolled at the University as a degree candidate.

A department may adopt either a standardized examination available to the department from outside the University or may develop the appropriate exam for the subject area. Departmental exams may be written, oral, or both. To earn foreign language credit by examination for high school course work, students must obtain a grade of B or better in the USI foreign language course into which they have been placed by an advisor. A fee of \$10 is required for processing. For further information about departmental examinations, contact the department involved.

Additional Policies Concerning Credit by Examination

1. Anyone may take examinations for credit; however, only a currently or previously enrolled student of USI may apply granted credit toward a degree.
2. A student may not establish credit for auditing purposes; similarly, the student may not take a course for credit if the student has established credit by examination for that course.
3. A student may not establish credit by examination for any course in which the student is currently enrolled.
4. The Credit by Examination program is designed expressly for the student who intends to earn a degree at USI. The decision on whether the exam credit is transferable remains with the institution to which the student may intend to transfer.
5. Upon successful completion of any examination, the student will be offered credit for the equivalent course(s). A letter grade will not be assigned; therefore, the credit will not affect the student's grade point average.
6. After credit is granted to a student through any one of the Credit by Examination programs, there is no additional charge to the student. Earned credit (if accepted by the student) is recorded automatically on the student's transcript.
7. A request for an exception to the current policy may be made to the department chair responsible for the discipline covered by the exam. Such a request will be reviewed by a committee consisting of the dean, the director of Admission, and the provost.

8. A maximum of 94 credit hours earned by examination may apply toward a student's baccalaureate degree, and a maximum of 46 credit hours earned by examination may apply toward the student's associate degree. For detailed information concerning the Credit by Examination program, contact the department appropriate to the exam.

Placement Testing Program

Academic Skills administers math, foreign language, reading, and writing placement tests. Any required placement testing must be completed prior to advising and registration. Photo identification is required to test. Appointments can be scheduled by contacting Academic Skills (812/464-1743) between the hours of 8 a.m. and 4:30 p.m. Central Time, Monday through Friday. Students with disabilities requesting special accommodations must be registered with the Counseling Center (812/464-1867) at least two weeks prior to scheduling an appointment for placement testing.

Mathematics – All students who earn degrees from USI are required to complete the mathematics component of Core 39. Our placement testing procedures are designed to facilitate the transition from high school mathematics to college mathematics. These procedures are based on evidence that shows students who enter math courses at the proper level are more likely to succeed and complete their mathematics requirement(s) in the most expedient manner.

New Students – All students who are not exempt from placement testing (see criteria below) are required to take the mathematics placement test prior to enrolling in a math course at USI. The placement test is designed to determine students' readiness for college-level mathematics courses and to place students into classes where they can be successful. The placement test results will determine the level of entry-level math course students will be allowed to take; therefore, it is extremely important that one's best effort be given to this exam.

Transfer Students – All students entering USI without transfer credit to satisfy the mathematics component of Core 39 must take the math placement test prior to enrolling in a math course. This includes students with associate degrees from other institutions.

Nontraditional Students – Because students who enter courses at the proper level are more successful in college than students who take a course that is too easy or one that is too difficult, the Department of Mathematics requires all nontraditional students take the placement test. Placement tests do not affect admission to the University; the results of the placement tests are used only to determine the appropriate entry-level math course. Starting in the right course will help students succeed academically, which ultimately will save time and money.

Exemptions from Placement Testing – Some students may be exempt from taking the math placement test based on the following:

- Math SAT score of at least 640 or Math ACT score of at least 29
- Math SAT score of at least 600 or Math ACT score of at least 26 AND High School GPA of at least 3.0 (on a 4.0 scale).

With the assistance of an advisor, students who are exempt from placement testing may select the math course which best meets the requirements of his or her program of study.

Foreign language—Placement testing is recommended for students who studied French, German, Spanish, Japanese, or Latin in high school. The foreign language placement test allows students who studied a foreign language in high school to enroll in a course ranging from the second to the fifth semester of language study. Achieving a grade of B or better in the course in which they are placed earns credit for all preceding courses. Students requesting Japanese or Latin placement should contact the Department of Modern and Classical Languages (812/461-5203); French, German, and Spanish placement tests are given by Academic Skills (812/464-1743).

English—The Department of English has mandatory placement for all introductory writing courses (GENS 098, ENG 100, and ENG 101). Placement into an appropriate writing course is determined by a student's high school rank percentile and Critical Reading and Writing SAT or equivalent ACT scores. Transfer students' English placement will be based upon their transfer credit evaluation.

To place into ENG 101, students must meet two of the following three criteria:

High School rank percentile of 51 percent or above
SAT Critical Reading score of 450 or above
SAT Writing score of 450 or above

Students who do not meet two of these three criteria must write a placement exam prior to registering for their composition courses.

In cases where students submit ACT scores instead of SAT scores, the equivalent ACT scores will be used. In cases where students submit both ACT and SAT scores, the scores that place the student in the higher course will be used. In cases where the student's data is incomplete, the student will be required to write the placement exam.

Reading – Placement into an appropriate reading course is determined by a student's Verbal SAT/Reading ACT score. Students who do not have a Verbal SAT/Reading ACT score will need to take a Reading Placement exam. Reading placement is mandatory for both developmental reading courses (GENS 099 and GENS 151).

Orientation

All new students (freshmen and transfers) to the University will participate in an orientation prior to registering for their first semester of class. In addition, the University offers a welcome week program in which all new students are expected to participate. Both programs are designed to assist new students in making the transition to the University. The orientation program focuses on introducing new students to the academic policies and support services at USI, facilitating the academic advising and registration process for their first semester, and preparing students for the first day on campus. During this program, new students will meet with a faculty member in the student's intended major to select courses. The fall welcome week program provides further orientation to programs and services offered by the institution; education on developing skills needed to succeed in college; and opportunities to become connected with other students, faculty, and staff at the institution. Newly admitted students will receive a mailing from the Office of Student Development Programs several months prior to their first semester, outlining dates and instructions for participation in new student orientation. Further information may be obtained at www.usi.edu/orientation.

Evening Student Services

To accommodate evening students, the offices of Admission, Student Development Programs, Student Financial Assistance, Registrar, and Career Services and Placement offer evening hours when classes are in session during fall and spring semesters. Contact the individual office for hours of operation. Students who need to see specific faculty or staff members during evening hours should make appointments to do so.

Fees and Expenses

Instructional Fees (Contingent, Student Services, and Academic Facilities Fees)

Indiana residents who are undergraduate students pay a combined contingent, student services, academic facilities fee, and technology fee of \$202.83 per credit hour. In-state graduate students pay a total of \$294.44 per credit hour.

The combined contingent and academic facilities fees are used to help meet the cost of instruction, construction and maintenance of buildings, and library and laboratory resources. The student services fee provides student programs and other selected personal and cultural development activities.

Non-Resident Fees

Undergraduate students who are not residents of the State of Indiana for fee purposes pay a non-resident fee of \$482.83 per credit hour. Non-resident graduate students pay a non-resident fee of \$580.68 per credit hour.

Special Fees

Audit Fee. An audit fee of \$35 plus applicable lab fees are charged to qualified students who desire to attend an undergraduate class open for auditing. The audit student attends the class without participating in the recitation and without credit.

Application Fee. Students submitting an application for Graduate and Undergraduate Studies must remit a \$40 nonrefundable application fee.

Distance Education Delivery Fee. A \$30 distance education fee is assessed for each distance education course. Distance education courses also may have additional fees that are course-specific.

Enrollment Fee. A \$100 fee charged to all new students their first semester of attendance.

Health Professions Insurance. A \$20 fee is assessed to students enrolled in courses that involve course work with direct patient care.

Health Services Fee. The USI Student Health Center provides students with services typically offered in a primary-care setting. The enrollment fee of \$47 per semester covers office visits and certain basic services.

Laboratory Fees. Charges ranging from \$35 to \$200 are made to all students who enroll in selected courses. These charges and courses are identified at each registration period.

Late Registration Fee. A fee of \$35 will be assessed to a student who registers during the first week of a term. A fee of \$125 will be assessed to a student who enrolls at anytime subsequent to the end of the first week of classes

Matriculation Fee. First-time registrants will be assessed a matriculation fee. This fee will be used to fund expenditures in the areas of student orientation, welcome week, and various other student development programs. A first-time student enrollee will be charged \$100.

Parking Fine. The Office of Security may assess fines for parking and traffic violations in accordance with University of Southern Indiana traffic regulations.

Replacement of Student Eagle Access Card Fee. A fee of \$10 will be charged to students who apply for a replacement Eagle Access card.

Special Course Fee. Charges not exceeding \$500 are assessed to students enrolled in certain courses. The amount of this fee will vary by course.

Student Activity Fee. All students will be assessed a non-mandatory \$50 per semester student activity fee. This fee is used to support the University Recreation and Fitness Center, Intramural Recreational Services, and various student programs.

Transportation and Parking Fee. All students who attend classes on campus will be assessed a transportation and parking fee. Students who register for three or fewer hours per semester will be charged \$54. Students who register for more than three and fewer than eight credit hours per semester will be charged \$72. Students who register for eight or more credit hours per semester will be charged \$90.

University Services Fee. The University Services Fee funds expenditures in the areas of student publications, the O'Daniel Leadership Academy, and other student development programs. Students who register for eight or more credit hours per fall or spring semester will be charged a \$30 University Services Fee. Students who register for more than three and fewer than eight

credit hours per fall and spring semester will be charged \$22.75. Students who register for three or fewer hours per fall or spring semester will be charged a University Services Fee of \$10.

Refund Policy

Fall and spring semesters: Students who drop one or more courses during the first week of a semester will receive a 100 percent refund of fees; during the second week of a semester, a 75 percent refund; during the third week of a semester, a 50 percent refund; and during the fourth week of a semester, a 25 percent refund. No refund will be made for courses dropped thereafter. This policy is applicable to both class schedule changes and withdrawals from the University.

Summer sessions: Students who drop a course or withdraw from the University on the first or second day of a summer session (first day of third summer) will receive a 100 percent refund; on the third or fourth day of classes (second day of third summer), a 75 percent refund; on the fifth or sixth day of classes (third day of third summer), a 50 percent refund; and on the seventh or eighth day of classes (fourth day of third summer), a 25 percent refund. No refund will be given for dropped courses or withdrawals after the eighth day of a summer session (fourth day of third summer).

Payment

Registered students must remit payment or enter into the University's payment plan by the due date on the billing statement. Fees may be paid by using MasterCard, VISA, Discover card, American Express, cash, personal check, e-check, or money order. A 2.70 percent convenience fee will be assessed for all credit card payments.

Increases

The fee rates cited here are for the 2012-13 academic year. The Board of Trustees sets fee rates annually, inflationary increases are expected for 2013-14 and beyond. Visit www.usi.edu/admission/tuition-fees or contact the Bursar's Office at the University after July 1 for actual fees for the 2013-2014 academic year.

Student Financial Assistance

Undergraduate Financial Assistance

Application for Financial Assistance

To be considered for all types of assistance, students must file the Free Application for Federal Student Aid (FAFSA) by March 10 preceding the academic year for which aid is being requested. The Free Application for Federal Student Aid (FAFSA) is available to complete online at www.fafsa.gov. All required documentation requested by the University must be submitted to the Student Financial Assistance Office by June 14 for timely processing. Applications and files completed after prescribed deadlines (while the student is still enrolled in the required number of credit hours) will be considered on a funds-available basis throughout the academic year.

New Freshmen

To be eligible for federal student aid, all new freshmen must submit an eighth-semester high school transcript or General Education Development (GED) certificate to the USI Admission Office.

Transfer Students

Transfer students must have their academic transcripts from prior colleges evaluated by the USI Registrar's Office before student loans can be processed. Transfer students with less than 30 credit hours of acceptable transfer credit also must submit an official high school transcript or GED certificate to the USI Admission Office.

Name, Social Security Number, and Date of Birth

Financial aid applicants must use the same name, Social Security number, and date of birth in all official government records. Name changes must be on file with the Social Security Administration before financial aid applications can be processed. Applicants must use their full legal name, correct Social Security number, and date of birth on the FAFSA. Note that other agencies such as Selective Service and Immigration will be checked to see if the student is in compliance with all federal regulations. Proof of draft registration compliance with Selective Service may be required for male students who have reached age 18. The Department of Homeland Security, Citizenship and Immigration Services, must verify the alien registration number of all immigrants who are not naturalized citizens. An incorrect name, Social Security number, date of birth, or alien registration number will cause significant delays in aid processing.

Enrollment Status/Credit Level

For undergraduate financial aid purposes, the following minimums apply in determining eligibility for assistance.

Undergraduate

<u>Time status</u>	<u>Minimum credit hours require</u>
Full-time	12 credit hours
3/4-time	9 credit hours
1/2-time	6 credit hours

NOTE: Assistance may be reduced or withdrawn for less than full-time enrollment. Only credits that are required for successful completion of the student's degree program may be counted in the determination of enrollment status. Students who receive aid for courses not required for graduation will be directed to repay all or a portion of such aid. Some financial aid programs require continuous full-time enrollment. Scholarship recipients are responsible for knowing and complying with the rules specific to each scholarship program.

Financial Responsibility

Students must be prepared to pay that portion of their tuition and fees not covered by financial aid. The Bursar's Office offers an installment payment plan that utilizes multiple payments during an extended time period. An additional processing fee is assessed.

Most types of aid will appear as a credit against tuition and fees on the bill sent prior to the start of classes. Some aid types, such as Work Study, require special procedures and will not appear on the tuition bill. Memo aid that appears on the bill, may be deducted from total tuition and fees. Students should contact their Student Financial Assistance counselor if they have questions about these procedures.

General Eligibility Requirements for Federal Student Aid

To receive Pell Grants, Supplemental Educational Opportunity Grants, Federal Work Study, Direct (Student) Loans, and Direct (Parent) PLUS Loans, a student must meet the following general requirements and additional program-specific requirements.

Basic eligibility requirements:

- Demonstrate financial need (except for unsubsidized Direct loans and Direct PLUS loans)
- Be a U.S. citizen or eligible noncitizen (for most programs) with a valid Social Security number (SSN)
- Be working toward a degree or certificate in an eligible program
- Have a high school diploma or a General Educational Development (GED) certificate
- Register (if you haven't already) with the Selective Service, if you are a male between the ages 18 and 25
- Maintain satisfactory academic progress
- Not be in default on a Title IV or HEA student loan or owe a repayment of a Title IV or HEA grant received for attendance at any institution
- Complete and submit all requested forms/documents (such as Verification) to the Office of Student Financial Assistance; check your myUSI to see what forms/documents have been requested

Federal Financial Aid Programs

Federal Pell Grant. This is the largest federal student aid program for undergraduate students. It provides grants to the neediest students. These grants are gift aid and therefore do not have to be repaid. Pell Grants provide a foundation of financial aid to which other types of assistance may be added.

Students apply for Pell Grants by completing the FAFSA. As a result of applying for the Pell Grant, the student will receive a Student Aid Report (SAR). The SAR must be checked by the student for accuracy and any errors reported to the Office of Student Financial Assistance.

Federal Supplemental Educational Opportunity Grant. As with Pell Grants, the SEOG program is limited to undergraduate students. Students who have met requirements for a bachelor's degree are not eligible for either program.

Supplemental Grants are available to exceptionally needy students who complete the FAFSA and submit all required documentation before the published deadline.

Federal Work Study (FWS). This program provides jobs for undergraduate and graduate students who need financial aid. Students are paid at least minimum wage and work between five and 20 hours per week when school is in session. During periods of non-enrollment, eligible students may work full time, if funds are available. A portion of the earnings from non-enrollment periods is used to meet the student's academic year expenses and, therefore, may reduce a student's need for other assistance. Summer work study funding is limited by available federal aid.

Students may apply for the FWS program by completing the FAFSA and indicating Work Study as a type of aid requested. A Federal Work Study resume is also required. Paper resumes are available in the Office of Student Financial Assistance or may also be found at www.usi.edu/finaid/sfaforms.asp. Preferred filing deadlines should be observed to ensure consideration of the student for these limited funds.

Direct (Student) Loan. These are low-interest loans made to students through the William D. Ford Direct Loan Program. Direct Loans are available to both undergraduate and graduate students. Repayment begins six months after the borrower graduates, withdraws from USI, or drops below half-time status. All students must complete the FAFSA before the Direct Loan is offered

by the University. Students should accept/ decline/reduce the amount of their Direct loan on myUSI on or after July 1. First-time Direct Loan recipients will be required to complete Entrance Counseling and a Master Promissory Note prior to disbursement.

Direct (Parent) PLUS Loan. Direct PLUS Loans are available to parents of dependent students through the William D. Ford Direct Loan Program. Interest is fixed but may vary annually. Repayment begins within 60 days after the loan has been fully disbursed of the second disbursement. For a full year loan, repayment will begin in the spring. The loan can be deferred until six months after the student graduates, leaves school, or drops enrollment below half-time status. The parent borrower may request this deferment option by contacting Direct Loans at 800/ 848-0979. Parents may apply for a Direct PLUS Loan online at www.studentloans.gov. Paper applications are available in the Office of Student Financial Assistance or the form may be downloaded at www.usi.edu/finaid/sfaforms.asp.

State of Indiana Student Aid Eligibility

An eligible student must be:

- an Indiana resident domiciled within the State of Indiana on December 31 prior to the first day of the academic year for which the award is made;
- a U.S. Citizen or eligible noncitizen
- a high school graduate of an approved secondary institution or hold a GED;
- a qualified Indiana resident who has not been convicted of a felony, illegal use of force or violence during a public demonstration, or a crime involving narcotics or dangerous drugs;
- a full-time student (12 or more credit hours) through the end of the tuition-refund period, earning credits toward the first undergraduate degree.
- most Indiana programs require that the FAFSA be filed early enough to be received by March 10 each year.

Note: Edit letters from the Indiana Commission for Higher Education (CHE) regarding FAFSA problems must be responded to by May 15.

State of Indiana Financial Aid Programs

For a complete listing of Indiana Awards and Scholarships, visit www.in.gov/sfa/. The state's site will also include complete details for the programs below.

Higher Education Award. Part of the Frank O'Bannon Grant Program, HEAs are awarded on the basis of need and are restricted to payment of academic year tuition. Full-time enrollment is required. An eligible Indiana institution's school code, such as USI (001808), must be listed on the FAFSA. The FAFSA is filed online at www.fafsa.gov. The FAFSA must be received by the processor on or before March 10 annually.

Twenty-First Century Scholarship. The 21st Century Scholarship is a needs- and performance-based program that provides students the opportunity to earn up to a four-year tuition scholarship for undergraduate study at an Indiana college or university. Students would have had to enroll into the program during their 7th- or 8th-grade year of middle school. Full-time enrollment is required. The FAFSA must be received by the processor on or before March 10 annually.

Indiana National Guard Supplemental Grant. A grant that guarantees up to 100% of certain tuition costs will be met by the State of Indiana for eligible members of the Indiana Air and Army National Guard; the National Guard Supplemental Grant (NGSG) covers only certain tuition charges and does not cover other expenses such as room and board or textbooks. It is subject to available funds. Students must be enrolled at least part-time (taking at least 3 credit hours) in order to receive the NGSG. To be

eligible an applicant must meet the eligibility requirements of both the Indiana National Guard (ING), the Division of Student Financial Aid (SFA) and attend a state funded college or university. The FAFSA is required. The FAFSA is filed online at www.fafsa.gov. The FAFSA must be received by the processor on or before March 10 annually.

Part-Time Grant Program. The Part-Time Grant program is designed to encourage part-time undergraduates to start and complete their Associate or Baccalaureate degrees or Certificates by subsidizing part-time tuition costs. It is specifically designed to help those undergraduates who are taking at least 6 but less than 12 credit hours per term at an eligible institution. The students must meet State residency requirements, have filed a FAFSA and otherwise qualify for state aid. The Part-Time grant is a need-based award. The minimum award is \$50 per term.

Minority Teacher Scholarship. State-funded and administered by the University, scholarships are awarded to outstanding black or Hispanic students majoring in education. Recipients must file a FAFSA and be Indiana residents who are enrolled or will enroll full-time. Applications and scholarship requirements are available online at www.in.gov/sfa.

Vocational Rehabilitation Education Assistance. Indiana Rehabilitation Services provide educational assistance to eligible Indiana residents through the Vocational Rehabilitation Division. The Student Financial Assistance office will coordinate this assistance with other types of aid that may be available.

Students should contact the Vocational Rehabilitation Division Office in their region if they think they might qualify for rehabilitative services. Vocational Rehabilitation is listed under Family and Social Services in the State Offices section of the phone directory.

Child of Veteran and Public Safety Officer Supplemental Grant Program. The CVO Program provides tuition and fee assistance at public colleges for eligible children (and spouses, if applicable) of disabled Indiana veterans, certain members of the Indiana National Guard killed while on active duty, certain Indiana public safety officers killed in the line of duty. As a supplement to other state financial aid, the grant pays 100% of tuition and regularly assessed fees; it does not cover other fees such as room and board. Applications and complete program requirements are available online at www.in.gov/sfa/2338.htm. The application and supporting documentation must be certified by the Indiana Department of Veterans Affairs in Indianapolis. The FAFSA is required each year.

- Children of Veteran – covers eligible children of veterans who are Purple Heart Recipients, wounded, deceased, disabled, or Prisoner of War/Person Missing in Action (POW/MIA).
- Soldiers' and Sailors' Children's Home - covers students who are former students and/or graduates of Morton Memorial High School or who are former residents of the Indiana Soldiers' and Sailors' Children's Home (ISSCH)
- Children and Spouse of Indiana National Guard Member - covers students who are the child or spouse of a member of the Indiana National Guard who suffered a service connected death while serving on state active duty
- Children and Spouse of Public Safety Officer - covers eligible children and spouses of certain Indiana public safety officers (PSO) killed in the line of duty or permanently disabled state troopers
- Indiana Purple Heart Recipient Veteran

University Scholarships, Grants, and Employment

New students are encouraged to apply for admission no later than March 1 prior to their initial fall semester to ensure consideration for all scholarships. Many scholarships also require completion of the FAFSA by March 10 each year. Some scholarships require a separate application. They are noted in the following listing.

Departmental Scholarship.

The primary scholarship offered by the University of Southern Indiana. To qualify, students residing in Indiana or selected counties in Kentucky must rank in the top 25 percent of their high school class and be enrolled in the Indiana Academic Honors or Kentucky Pre-college Curriculum. The USI Departmental Scholarship is a guaranteed four-year award with reasonable renewal criteria (3.0 GPA and full time enrollment). This scholarship ranges in value from \$500 per year up to full yearly tuition. Individual award amounts are based on a student's SAT or ACT scores and cumulative grade point average. A separate application is not required; the USI Undergraduate Application for Admission serves as the application for the Departmental Scholarship.

Deans Scholarship. Deans Scholarships are available to students nationwide. The scholarship is renewable for four years and is valued at \$2,000 annually. To qualify, initially matriculating freshmen must earn a minimum SAT score of 1100 (without writing component) or 1700 (with writing component) or a composite ACT score of 25 and meet one of the following criteria: be a National Merit Semifinalist or Scholar, meet all the application requirements for the USI Presidential Scholarship, or rank in the top five percent of the high school graduation class. The number of Deans Scholarships each year is subject to the availability of funding.

Baccalaureate/Doctor of Medicine Scholarship. Through a competitive interview process, the University of Southern Indiana provides a full tuition scholarship for four years of undergraduate study as well as provisional acceptance into the Indiana University Medical School. Qualifications include a minimum 3.5/4.0 high school grade point average and an SAT score of 1200 (without writing component) or 1800 (with writing component), or an ACT composite score of 27. The B/MD application, including related admission materials and most recent high school transcript, must be submitted by January 15.

Non-Resident Top Scholar Award. This scholarship is designated for outstanding students residing outside the state of Indiana. Students must rank in the top 10 percent of their high school class or earn a 3.75/4.0 grade point average. In addition to GPA, or class rank, students must achieve a combined score of 1700 (with writing component) or 1100 (without writing component) on the SAT or earn an ACT composite score of 25. Recipients are provided an opportunity to attend the University of Southern Indiana while paying in-state tuition and fees. A separate application is not required; the USI Undergraduate Application for Admission serves as the application for the Non-Resident Top Scholar Award.

Presidential Scholarship. Indiana students ranked first or second in their senior class may qualify to compete for Presidential Scholarships which cover full tuition and housing; in addition, a yearly stipend for books and board is provided. Applicants must attend a state-commissioned high school in Indiana and earn an SAT score of 1200 (without writing component) or 1800 (with writing component), or an ACT composite score of 27. Qualifying students may receive a USI Presidential Scholarship application with initial acceptance. The USI Presidential Scholarship application, including related admission materials and most recent high school transcript, must be submitted by January 15th.

Academic Excellence Award. USI offers a number of Academic Excellence Awards (AEA) to attract and retain students who meet all requirements for the Presidential Scholarship but are not selected to receive the highly competitive Presidential Scholarship. The AEA covers 100 percent of the student's instructional fees (tuition) and is renewable while maintaining academic excellence. To be considered for this award, scholars must complete all steps listed for the Presidential Scholarship application according to published deadlines.

Indiana-Kentucky Reciprocal Tuition Program. Permanent legal residents of Henderson, Daviess, Hancock, and Union counties in Kentucky may pursue an undergraduate or graduate degree at USI and pay Indiana tuition rates. Students who begin their education under this program will be permitted to complete their degree with full program benefits as long they remain continually enrolled in all regular (fall/spring) terms.

Music Performance Scholarship. Music performance scholarships are available for members of USI Chamber Singers. Contact the director of USI Chamber Singers in the College of Liberal Arts at 812/464-1736 or email dcraig@usi.edu for audition information.

Theatre/Drama Scholarship. Individuals interested in assisting with the production of theatrical events may contact the director of theatre in the Department of Art, Music, and Theatre at 812/465-1614 for information concerning theatre/drama scholarships.

Athletic Scholarship. Women's sports include basketball, softball, volleyball, soccer, cross country, golf, and tennis. Men's sports include basketball, baseball, soccer, golf, tennis, and cross country. Student athletes desiring information on athletic grant-in-aid scholarships may contact the director of Athletics at 812/464-1846.

USI Non-Resident Grant. A minimum of 2.5 (4.0 scale) cumulative high school grade point average is required. Transfer students must have a minimum 2.0 (4.0 scale) cumulative college grade point average. Eligible recipients will receive a scholarship which covers a significant portion of non-resident tuition. Students will pay net tuition equal to 150 percent of Indiana resident tuition.

Recipients must enroll in the fall and spring terms following receipt of award notification. Students may be enrolled part-time or full-time and must successfully complete 67% of all USI attempted credit hours each academic year and 2.0 minimum cumulative GPA for renewal. **Students must be residents of Kentucky or Illinois to receive this scholarship.**

USI Regional Academic Scholarship. A minimum 2.75/4.0 cumulative high school grade point average is required. Transfer students must have a minimum 2.75/4.0 cumulative college grade point average. In addition to grade point average, a minimum SAT score of 1500 (with writing component) or 1000 (without writing component) or 21 composite ACT is required. Eligible recipients will receive a scholarship which covers a significant portion of non-resident tuition. Students will pay net tuition equal to 120 percent of Indiana resident tuition. Such students must reside in University-provided housing. **Students must be residents of Kentucky or Illinois to receive this scholarship.**

*Note: Students offered this award who choose not to live in University housing will receive the Non-Resident Grant.

One-Course Plan. Persons eligible for the One-Course Plan include retired individuals and spouses of eligible full-time USI students. Retired persons include anyone over the age of 60. Spouses of full-time students are eligible if the full-time student has a minimum 2.0 cumulative USI grade point average. When the One-Course Plan is used in the fall or spring, the full-time student must be enrolled in 12 or more credit hours in the same term. For any summer session, the full-time student must have been enrolled in 12 or more credit hours in the preceding spring term or be pre-registered for 12 or more credit hours in the following fall term. An exception is made for graduate students who are defined as full-time when enrolled in nine or more credit hours.

Individuals in the One-Course Plan who are new to the University may enroll in the first USI course for total instructional fees of \$25 plus applicable incidental fees. Incidental fees may include lab fees, refundable breakage deposits, distance education material charges, and parking fees. When institutional and/or state programs provide for payment of the same fees (e.g. tuition), such aid will be coordinated to ensure that the aid does not exceed actual charges. There are no cash refunds of tuition specific aid. Course enrollment is on a space available basis.

Students enrolled in the One-Course Plan are limited to one course in the semester or summer session in which they participate in this plan. The plan may be used only once and may not be repeated.

Student Employment. In addition to Federal Work Study, the University employs students as part-time employees. Contact the Career Services and Placement Office in the Orr Center for information about non-Work Study student employment both on and off campus.

Satisfactory Academic Progress Statement of Purpose - **Students who apply for federal and state financial assistance (including student and/or parent loans) are required by federal regulations to make satisfactory progress toward the completion of their degree or certificate program. Failure to meet the minimum standards outlined in this policy will result in a loss of financial aid eligibility.**

Minimum Requirements

- **Cumulative Grade Point Average** - Cumulative grade point average is calculated by the Office of the Registrar at the end of Fall, Spring, and Summer terms using all credits attempted at USI in which a letter grade of A through F is earned. Students must meet the following GPA requirements for the degree level at which they are classified:

Undergraduate Student Requirements		
Overall Attempted Hours (including transfer hours)	1-59	60+
Required USI Cumulative GPA	1.80	2.00

Graduate Student Requirements	
Required USI Cumulative GPA	3.00

Note: students who are academically dismissed are ineligible for financial assistance

- **Successful Completion Rate** – Completion rate reflects the pace at which students must progress to ensure they are able to complete their degree/certificate program within the maximum timeframe allowed. It is calculated by taking the total number of credit hours a student successfully completes (passes) divided by the total number of credit hours a student has attempted. All students must earn at least 67% of all hours attempted. This cumulative calculation includes **all** hours that a student is enrolled in at the end of the 100% refund period (census date). Hours added after census date will be included in the number of financial assistance attempted hours for the term. Note that for completion rate purposes, attempted and earned hours used in the calculation also include transfer hours that have been accepted by USI from other institutions.

Note: A student who applies for financial assistance and fails to earn any academic credit for a term will have aid eligibility suspended at the end of the term. This includes students who withdraw from a term after applying for financial assistance.

- **Maximum Timeframe for Completion of Degree/Certificate** – The maximum timeframe for a student to complete their degree/certificate and receive federal aid cannot exceed 150% of the published length of their academic program. Note: Indiana State grant programs are an exception to the 150% rule. State grant programs are limited to four years or eight semesters of full-time enrollment. **All prior enrollment periods are considered including those in which**

students did not receive federal or state financial assistance. Normal standards for maximum timeframe attempted hour limits are:

Most Baccalaureate Degree Programs	180 Attempted Hours
Most Associate Degree Programs	90 Attempted Hours
Dental Assisting Certificate Program	67 Attempted Hours

An evaluation will be required for students seeking BA/BS degrees once they have reached 160 attempted hours to ensure degree completion.

See below for exceptions to the standard for baccalaureate and associate degree programs. Students working on their second undergraduate degree/certificate or teacher certification are limited to 231 attempted credits including all previously earned credit hours.

Exceptions to Maximum Hour Rules

<u>Associate Degree</u> Exceptions to 90 Hour <u>Maximum:</u>		<u>Baccalaureate Degree</u> Exceptions to 180 Hour <u>Maximum:</u>	
Respiratory Therapy	109 Attempted hours	Industrial Supervision	187 Attempted hours
Occupational Therapy Assistant	117 Attempted hours	Nursing and Elementary Education	190 Attempted hours
Radiologic & Imaging	135 Attempted hours	Advanced Manufacturing	192 Attempted hours
Dental Hygiene	146 Attempted hours	Occupational Therapy	193 Attempted hours
Nursing	150 Attempted hours	Engineering	195 Attempted hours

Additional Information You Need To Know

- **Incompletes Grades** – At the time of evaluation, incompletes (grade/s of "IN") do not influence a student's cumulative GPA, but do count as credit hours attempted for both Completion Rate and Maximum Timeframe calculations. Incomplete grades do not count as earned. Students are responsible for notifying the Student Financial Assistance Office of any grade changes, including the receipt of a grade for a previous incomplete grade.
- **Repeated Coursework** - Students are allowed to repeat a previously passed course and have it count toward their enrollment status for financial aid eligibility only once. There is no limit on the number of times a student may retake a course that has not been successfully completed, however, regardless of whether the student received financial aid or not, all occurrences of a repeated course must be counted as attempted credits for completion rate and maximum timeframe calculations.
- **Enrollment in Degree or Certificate Program** - Financial aid recipients may only receive financial aid for courses that apply to their degree/certificate program. An exception is made for non-credit developmental courses that are recommended or required by USI. Courses which are audited and credits which are earned through CLEP testing do not count toward students' enrollment status for financial assistance. *After earning 63 or more cumulative hours (including transfer credits), students must have a declared major and be admitted to the appropriate college at USI.* Please note

that while students may choose to work towards two degrees, only one degree will be considered in the maximum attempted hour's component. Students may choose to change majors before completing the original degree, it will not change the formula for calculating compliance. Compliance with this policy will be checked at the end of the fall, spring and summer semesters.

Note: Graduate students enrolled in prerequisite undergraduate courses may qualify for financial aid at the senior class, undergraduate level Direct loan limit for a maximum of 12 months. Undergraduate courses must be approved by the student's graduate advisor and a copy of the approval be submitted to the Student Financial Assistance Office.

- **Fresh Start Program** - Financial assistance is not available to students currently in the Fresh Start Program. A student may submit an appeal to request reinstatement of financial aid eligibility upon successful completion of the Fresh Start Program. ALL hours, even those taken prior to the student's Fresh Start participation WILL count in the number of attempted hours used in the financial aid maximum timeframe and completion rate calculations.

Evaluation and Notification of Eligibility - Satisfactory progress is evaluated at the end of each fall and spring term and at the end of the combined summer period. Students who do not meet the above standards will be placed on financial aid warning status for one term. Failure to be in compliance with this policy by the end of the warning term will result in financial aid suspension. Students' eligibility status is posted on their myUSI accounts and those with a warning or suspension/terminated status are sent a letter notifying them of their status.

Regaining Financial Aid Eligibility – Students may make up a deficiency in earned hours and/or GPA at their own expense. Transfer coursework accepted into a student's USI programs can be used to make up completion rate deficits; however, cumulative GPA deficits can only be made up by taking USI coursework. After students have made up deficiencies, they are responsible for submitting an appeal form for a review of their compliance with this policy, it is not automatic (see the next section for deadlines for appealing).

Appealing The Loss of Financial Aid Eligibility - If a student's failure to maintain satisfactory academic progress is a result of illness, family circumstances, or other mitigating conditions beyond the student's control, students may appeal to the Financial Assistance Appeals Committee for a waiver of this policy. The appeal is to be submitted to the Student Financial Assistance Office, Attn: Appeals Committee, 8600 University Blvd, Evansville, IN 47712 and must include the appeal form (available at www.usi.edu/finaid/sfaforms.asp), a typewritten letter explaining the circumstances that prevented the student from meeting SAP requirements and all documentation supporting the claims in the letter. The appeal must address the following: 1) what the problem was; 2) when did the problem occur; 3) how long did the problem last; 4) how did this affect his/her ability to complete coursework and; 5) the steps taken to ensure your academic plan is successful and will meet minimum standards at the next evaluation. All appeals must be submitted before sixty percent (60%) of the term has elapsed. For fall and spring terms the end of the ninth week marks the 60% point of the semester. Appeals received after the 60% point will be evaluated for the following term of enrollment. Appeals will NOT be considered for a term that has already ended. Students will receive a written response to their appeal within 45 days. If your appeal is approved, you may be placed on financial aid probation. During your probation period, you are eligible to receive financial aid provided you meet the terms of the academic plan during your probationary period. If your appeal is not approved, students may request at the time of appeal that their full class schedule (in term following suspension of aid eligibility) be canceled at the 100 percent refund rate.

No financial assistance, including Direct Loans and PLUS Loans, will be reinstated for prior terms in which the student was not in compliance with this policy.

More Information - For answers to questions about this policy, call Student Financial Assistance @ 812/464-1767 or 800/467-1965 or send an email to finaid@usi.edu.

Return of Title IV Federal Funds Institutional Refund Policy

This policy applies to students who withdraw from the semester, either officially or unofficially, or are administratively dismissed and received Title IV Federal Funds as defined below. Tuition and fee refunds for these students are determined according to the following policy:

1. The term "Title IV Funds" refers to the federal financial aid programs authorized under the Higher Education Act of 1965 (as amended) and at USI includes the following programs: unsubsidized Direct (Student) loans, subsidized Direct loans, Direct (Parent) PLUS loans, Federal Pell Grants, and Federal (FSEOG) Supplemental Educational Opportunity Grants.
2. A student's withdrawal date is the earlier of:
 - the date the student began the institution's withdrawal process (as described in the University bulletin) or officially notified the University's registrar of intent to withdraw; or
 - the midpoint of the period for a student who leaves without notifying the institution; or
 - the student's last date of attendance at a documented academically related activity.

Note: Medical Withdrawals and the Return of Title IV Funds - Students who are granted medical withdrawal are treated in the same manner as students who withdraw from the college.

3. Refunds and the Return of Federal Funds
 - Refunds of tuition, campus service fees, parking fees, and special fees will be prorated on a weekly basis through the fourth week of the fall and spring semesters (eighth day of a summer session). There are no refunds of tuition and fees to students or to non-federal entities after that point in time.
 - Refunds of room and board charges may or may not be prorated based on the date of withdrawal. See the Residence Life contract for more detailed information regarding refunds. See USI Dining Services regarding information on Meal plan refunds. Notes: Residence Life may assess penalties and damage charges that could reduce the amount of the refund.
 - Title IV federal aid is earned in a prorated manner on a per-diem basis based on the semester calendar up to the 60 percent point in the semester or summer as a whole. Title IV federal aid is viewed as 100 percent earned after that point in time.
 - Students withdrawing by the close of business on the census date for a given term will receive a 100 percent refund minus room and board charges. In the fall and spring, the census date is the end of the first week of classes. Exceptions are made for classes that are shorter in length than the full semester.
 - If a student is determined to be eligible for a post withdrawal disbursement of undisbursed Title IV funds the student will be notified and given 14 days to respond. The disbursement will be posted upon receipt of permission from the student.
 - Refunds will be sent to students' mailing (permanent) addresses following withdrawal. Adjusted bills will be sent to the students' email addresses.
 - There are no refunds for incomplete independent study or distance education courses.
 - Room and board charges will be adjusted for students enrolled in approved academic off-campus activities such as study abroad, internships, co-op placement, and field placement.
 - In accordance with federal regulations, when federal financial aid is involved, refunds are allocated in the following order: unsubsidized Direct Loans, subsidized Direct Loans; Direct PLUS loans; Federal Pell Grants; Federal SEOG; other Title IV federal assistance; other federal sources of aid; other state; private and institutional aid; and finally, the student. Note: Generally, all semester charges must have been paid in full at the time of withdrawal for a student to receive a refund.
4. The University's responsibilities in regard to the return of Title IV funds include:
 - providing each federal financial aid recipient with the information given in this policy;
 - identifying students who are affected by this policy and completing the Return of Title IV Federal Funds calculation for those students; and
 - making required returns of Title IV federal funds that are due the Title IV programs.
5. The student's responsibilities in regard to the return of Title IV funds include:
 - notifying the University's registrar of intent to withdraw (must provide proof of identity);
 - following the University's prescribed procedures for officially withdrawing from the semester; and

- returning to the Title IV federal programs any funds that were disbursed directly to the student for which the student was determined to be ineligible.

6. Schedule Changes

Refunds of tuition and instructional fees resulting from a change in enrollment status (for example, from full-time to half-time) will be returned to the financial aid program(s) which originally paid the tuition/fees. Other refunds will be made by check to the student or other payee through the fourth week of the semester or eighth day of a summer session. Note: Student accounts which are not paid in full at the time of withdrawal may not receive a refund or may receive only a partial refund.

7. Excluded Charges

Charges that are excluded from refund calculations under this policy include:

- unpaid charges for the current semester or summer session;
- institutional charges for prior terms;
- housing deposits;
- proprietary (Sodexo) declining balance food plans;
- lab breakage fees (and other refundable deposits);
- admission fees;
- matriculation (orientation) fees;
- textbooks;
- charges for non-returnable supplies and equipment;
- penalty charges such as parking, library, and video fines; and
- late registration fees.

8. Non-Attendance Procedure

Students who receive financial aid and do not attend classes will be required to promptly repay all funds received. Non-attending recipients of student loans will have their loans cancelled and all disbursed loan amounts will be due and payable in full within 30 days. Failure to repay this debt will result in an adverse report on the student's credit history and eligibility to enroll at USI will be revoked.

9. Other Refunds

The University reserves the right to apply any refund due a student to the repayment of institutional loans or book charges.

Any notification of a withdrawal or cancellation of class schedule should be in writing, signed, and addressed to the University's registrar. Cancellation of admission applications (prior to enrollment in classes) should be in writing, signed, and addressed to the University's director of Admission.

If you believe that your individual circumstances warrant that your charges or refund should be determined in a manner other than described in USI's published policies, contact the Bursar's Office in writing to explain your circumstances or justification for an exception. The outcomes of application of the institutional refund policy may be appealed in writing to the University's Administrative Appeals Committee.

Disclaimer: The fees, procedures, and policies listed above supersede those published previously and are subject to change at any time when required by changes in federal regulations. This policy reflects the University's good faith effort to interpret federal regulations that have a bearing on such matters.

Undergraduate Academic Information and Policies

It is important that a student be knowledgeable about academic information affecting continued enrollment status. Such information includes knowledge of the basis for assigning grades as an indication of academic achievement, the conditions of class attendance, and the class identification. Other information valuable to the student includes procedures for changing either semester class schedules or curriculum choice and special academic opportunities available to the student.

Academic Year

The University's academic year includes two semesters and three summer sessions. The academic calendar is published for each term in the Schedule of Classes.

Class Load

The normal class load is 15 or 16 hours per semester.

An average of 30 credit hours earned each academic year will allow a student to meet the University's minimum requirements of 120 credit hours for graduation at the end of four years or eight semesters.

A student is considered full-time if enrolled for 12 or more hours of prepared course work each semester/term.

Student Overload

Students who for any reason find it desirable to carry more than 18 hours during a semester/term may request this privilege through their academic advisor.

Procedure: There are two ways students may initiate the request for an overload: 1) request their academic advisor authorize the overload via an email to the Office of the Registrar or 2) obtain a Student Overload Form from the Office of the Registrar, secure their advisor's signature, and return the completed form to the Office of the Registrar.

Course Numbers

Undergraduate courses are numbered in the sequence of 000, 100, 200, 300, and 400. Generally, developmental courses are in the 000-099 series and do not count toward graduation. Freshman courses are in the 100 series, sophomore courses are in the 200 series, junior courses are in the 300 series, and senior courses are in the 400 series.

Class Attendance

A student is expected to attend all classes. It is the responsibility of an instructor to inform the student of the consequences of absence from class. It is the responsibility of the student to keep instructors informed regarding absences from classes.

A student who knows of necessary class absences should consult instructors prior to the absence. A student who misses classes is not excused from the obligations to instructors. Instructors are expected to provide the student with an opportunity to meet class commitments when absences are for good and proper reasons. Further, instructors are expected to maintain attendance records and to report excessive absences to the Office of the Registrar.

Developmental Classes Mandatory Attendance Policy

The following developmental courses (GENS095, GENS 097, GENS 098, GENS 099, GENS 151, MATH 100, MATH 101) have a mandatory course attendance policy. Students who have more absences than the number of times the course meets per week will be administratively withdrawn from the course. Administrative withdrawal can occur at any point during the academic semester. Students should be aware that enrollment of less than full-time (12 hrs.) status could have ramifications for such items as financial aid, health insurance eligibility, etc. Students who are required to miss class for official University events must acquire instructor approval before the scheduled absence.

During the course withdrawal/evaluation period, students who are failing the course at the time of the administrative withdrawal will receive the grade of F, DNP, or NP.

Students retain the right of appeal for decisions that result in their administrative withdrawal from the course. Students are entitled to remain enrolled in the course during the appeal process until a decision has been made.

Administrative Withdrawal for Non-Attendance

Students who are absent one-half or more of the class meetings of a full-semester length class without excuse during weeks two through four may be notified by letter to their mailing address of the possibility of their being administratively withdrawn from their class. The students so notified will be given until the end of the seventh week (mid-term) to meet with their instructors to resolve the situation. The instructor of the class may complete the process of an administrative withdrawal of a student (at mid-term) if the situation is not resolved. NOTE: Merely not attending a course does not automatically remove the course from a student's record. Students who do not accept the responsibility of completing an Add/Drop or Withdrawal From All Classes form jeopardize their record with the possibility of incurring an F in a course not properly dropped.

General Student Policies

Policies on student behavior, plagiarism, falsification of records, and other policies may be found in the Student Life section.

Classification

A student is usually identified as a freshman, sophomore, junior, or senior. Such a classification is applicable to the four years of full-time college attendance. However, an increase in hours earned during one or more semesters or enrollment in summer sessions may result in an accelerated program; conversely, a smaller than normal class load may result in a prolonged program. Thus, it is more accurate to designate class standing in accordance with credit hours earned.

Beginning fall 2013, the following schedule of hours earned is used to establish class standing:

0 - 29 hours	Freshman
30 - 59 hours	Sophomore
60 - 89 hours	Junior
90 + hours	Senior

This schedule has no necessary relationship to the cumulative hours and required grade point average necessary for continuing enrollment.

Grading System

Letter grades indicating the quality of course work completed, and for which the credit hours earned can be applied toward graduation requirements, generally can be interpreted as follows:

A, excellent; B+ and B, good; C+ and C, average; D+ and D, poor; S for satisfactory; P for pass; DP for developmental pass.

The letter grades assigned for unsatisfactory course work are F for failure; U for unsatisfactory; NP for no pass; DNP for developmental no pass. No credit toward graduation is granted for these grades.

The designation IN (incomplete) also may be used in special circumstances.

An incomplete grade (IN) may be given only at the end of a term to a student whose work is passing, but who has left unfinished a small amount of work (for example, a final examination, a paper, or a term project) which may be completed **without further class attendance**.

The student must act to remove the IN grade within one calendar year. If action is not taken, the IN grade will revert to an F. In the event the instructor from whom a student receives an incomplete is not available, the disposition of a case involving an incomplete grade resides with the appropriate dean.

An In Progress (IP) final grade is given in Advanced Senior Project classes which require enrollment in the same class in successive semesters. An IP grade means the student cannot receive credit for the course under any circumstances without re-enrollment in the course.

A withdrawal (W) is given when a student officially withdraws or is administratively withdrawn from a course during the automatic W period (see Schedule Changes and/or Withdrawal from the Semester/Term sections). A W also is given if the student is passing at the time of a drop/withdrawal after the automatic W period has ended. A W means the student cannot receive credit for the course under any circumstances without re-enrollment in the course.

A grade of Z is temporary and is recorded when an instructor fails to submit a grade. This grade will be replaced with a letter grade upon submission of the Change of Grade form by the instructor.

Grade Point Average (GPA)

The grade point average is a numerical value which is obtained by dividing the number of quality grade points earned by the number of quality hours attempted. This average is computed at the end of each term, both for the term and on a cumulative basis. The grade of A represents four points for each hour of credit; B+ three and one-half points; B three points; C+ two and one-half points; C two points; D+ one and one-half points; and D one point. No points are recorded for an F, although the hours attempted are included in the computations. No points are recorded for a P or NP, DP or DNP, S or U, IN, IP, or W, and the hours attempted are not included in the computations.

Suppose that a student has earned the following grades:

6 hours of A (equals 24 points)
3 hours of B+ (equals 10.5 points)
3 hours of C+ (equals 7.5 points)
3 hours of C (equals 6.0 points)

Then the semester average would be 3.2, which is the quotient obtained by dividing 48 (the number of quality points) by 15 (the number of quality hours attempted).

A minimum cumulative GPA of 2.0 is required for graduation.

Transcripts (Academic)

Academic records are maintained by the Office of the Registrar. A transcript is a complete record of a student's academic work at the University of Southern Indiana.

How to view an unofficial transcript

Students may view their unofficial transcript online via myUSI.

An official transcript will not be viewable if a student has unmet financial obligations to the University or for Stafford Loan recipients who have failed to complete an exit counseling session with the Student Financial Assistance Office.

How to request an official transcript

Both paper and electronic transcripts can be ordered anytime by current or former students. Refer to the Electronic Transcripts page for more information about this option.

Students request an official academic transcript online:

- If you have access to your myUSI account, you will be able to order your official transcript by logging in to myUSI. After selecting the Self Service icon from the dashboard, click Student, then Student Records. Choosing "Request Official Transcript" will take you to the USI Transcript Ordering Portal. Any student that enters the transcript ordering site through their myUSI account will be able to order transcripts immediately. Transcript requests can typically be processed within one business day of the completed order. Your unofficial transcript is available through myUSI under Student Records.
- If you do not have access to your myUSI account, you will need to create an account on the USI Transcript Ordering Portal to obtain an official transcript. The initial process of creating an account on that system could take up to two business days, as the Office of the Registrar will need to validate your account information with our official records. Once your account is established, transcript requests can typically be processed within one business day of the completed order. To reactivate your myUSI account and view your unofficial transcript, contact the USI IT Help Desk at 812/465-1080812/465-1080.

Once you have reached the USI Transcript Ordering Portal, the site will walk you through placing your order, including delivery options and fees. Please carefully follow all instructions. It is the responsibility of the requestor to supply a correct mailing address; refunds will not be issued due to an incorrect address. Status updates of your order will be emailed to the email account you list on your order.

Transcript fees are approved by the University. Current fees for a transcript are:

Certified Electronic PDF official transcript (e-transcript)	\$8.00
Official paper transcript to be mailed (USPS) or picked up	\$10.00
Official paper transcript to be expedited (UPS next day)	\$40.00

Online payment will be accepted from the following credit/debit card accounts: Visa, MasterCard, Discover, American Express, Diners Club, or JCB. If you are unable to pay by one of these methods, please contact the Office of the Registrar for assistance.

Notes:

- An official transcript will not be released if a student has an unmet financial obligation to the University. An official transcript will also be withheld for Stafford Loan recipients who have failed to complete an exit counseling session with the Office of Student Financial Assistance.
- Requesting that a transcript be sent to another institution does not automatically indicate that the student wishes to be withdrawn from the current term or any upcoming term(s) for which the student has pre-registered. Any student wishing to withdraw must officially initiate withdrawal procedures.
- The University can release only official USI transcripts. Transcripts from other universities or high schools attended must be requested directly from those institutions.

If you have any questions about transcript services provided by the University of Southern Indiana, please visit www.usi.edu/registrar or contact the Office of the Registrar at 812/464-1763812/464-1763 or 800/ 467-1965800/ 467-1965 (#3).

Enrollment Verification

How to Request an Enrollment Verification

An Enrollment Verification is a printed document that includes formal verification of a student's enrollment status. This document may be used for a good student insurance discount, coverage on parents' insurance, potential employment, or other purposes. USI participates in the National Student Clearinghouse, providing enrollment data that is accessible by various loan

companies for the purpose of student loan deferments. If an enrollment verification is needed for another purpose, the student can initiate the release of their information by printing an enrollment verification certificate.

The Family Educational Rights and Privacy Act of 1974 requires the written signature or electronic signature (myUSI password) of the student to release information pertaining to their academic records. Printing an enrollment verification certificate "conveys consent" to the officials of the University of Southern Indiana to release your enrollment verification information.

Students print their own enrollment verification certificate and provide it to the insurance company or other recipient that needs proof of enrollment. Log log in to myUSI with your username and password, then:

- Click the Self Service icon on the dashboard
- Click Student, then Student Records
- Click Request Enrollment Verification

Follow the on-screen instructions to obtain an enrollment certificate with the desired information. Options for printing the certificate are:

- **Current enrollment** - provides enrollment status for the current semester, with status effective date(s)
- **All enrollment** - provides enrollment history for all terms attended, with status effective dates
- **Good Student Discount certificate** - available to full-time students with at least a 3.00 cumulative GPA

You may also view:

- Student loan deferment notifications provided to loan holders
- Proof(s) of enrollment that have been provided to health insurers and other providers
- Specific information about your student loans

Readmission Procedures

Once enrolled at the University, an undergraduate student who for any reason does not re-enroll for one year (consecutive fall and spring semesters) must initiate an Application for Readmission in the Office of the Registrar prior to registering for the next semester/term. Students can complete an Application for Readmission by:

- visiting www.usi.edu/registrar and submitting an online application;
- visiting www.usi.edu/registrar and printing an application (PDF format). The completed application (including student's signature) may be mailed or faxed to the Office of the Registrar; or
- visiting the Office of the Registrar and completing the application.

Students who do not enroll for a single fall or spring semester must consult with an academic advisor prior to registering for classes, but do not need to complete the readmission process. Degree-seeking readmission students are required to submit an official grade transcript from each institution attended since last attending USI. If a student discontinues enrollment for more than one calendar year, the student must then re-enroll under the current program requirements. A student may petition the department chair for permission to continue following the original program requirements under a grandfather clause.

Fresh Start Program

The Fresh Start program is designed to benefit former USI undergraduate students who are returning to the University after an extended absence and whose previous academic record was unsatisfactory (student was academically dismissed).

Eligibility

A student will be eligible to apply for the Fresh Start program under the following conditions:

- The student must not have been enrolled at the University of Southern Indiana for a minimum of four calendar years (48 months). Credit earned from other institutions is not eligible for the provisions of the Fresh Start program and will be evaluated based on the transfer policies in effect at the time of readmission.
- A student must apply for the Fresh Start program when they readmit. If the student achieves a minimum 2.0 grade point average on the first 12 quality hours/graded hours taken after readmission and remains in good standing while completing the hours, he/she will then be accepted to the program.
- Applications for Fresh Start may be obtained at the Office of the Registrar or at www.usi.edu/registrar and will be evaluated on a case-by-case basis. The Fresh Start program provisions can be applied only once to any individual student's academic record.

Program Provisions

Fresh Start acceptance subjects a student to the following provisions:

- University of Southern Indiana grades received and courses taken prior to application to the Fresh Start program will be excluded from cumulative grade point calculation.
- USI credits from coursework with a grade of C or above earned prior to application to the Fresh Start program will be maintained as earned hours. All other credits will be forfeited.
- Grades from all coursework taken at USI (before and after Fresh Start) will be used in calculating eligibility for membership in honor societies and for calculating commencement and graduation honors.
- Students accepted to the Fresh Start program are subject to the academic requirements and regulations in effect at the time of their readmission. The Fresh Start student must redeclare a major and complete all current academic requirements.
- Students must complete a minimum of 30 credit hours at USI for graduation, required for their degree program, after being accepted to the Fresh Start program.
- The Fresh Start program status will be recorded on the student's academic record.

Standards of Progress

Graduation

A student must earn a minimum cumulative 2.0 GPA to graduate. Minimum acceptable progress toward this requirement is indicated by the standards for good standing.

Academic Progress

Prior to the priority registration period, any undergraduate degree-seeking student with a cumulative USI grade point average less than 2.0 will have a registration hold placed on his/her record. A student receiving this registration hold must consult with an academic advisor prior to registering for the next semester to formulate a plan for improving academic performance.

Good Standing

Beginning fall 2013, a student whose cumulative GPA meets or exceeds the following standards is in good academic standing:

GPA of 1.8 for 0-59 quality hours attempted

GPA of 2.0 for 60+ quality hours attempted

NOTE: transfer students must meet the standard which corresponds to the sum of the total transfer hours accepted and the total quality hours attempted at the University.

Academic Probation

Students who fail to meet the preceding minimum standards will be placed on academic probation for one semester. During that semester, the student should make use of available University resources to improve academic skills and performance. Failure to meet the preceding required GPA levels at the end of the probationary semester will result in academic dismissal from the University.

At the discretion of departments, students on academic probation may be subject to some or all of the following requirements:

- changes to the schedule of classes chosen during priority registration, to ensure prerequisites and necessary skill levels are in place
- approval by academic advisor of all changes to the schedule of classes
- limitation to 12 credit hours
- repetition of certain classes
- use of campus resources for academic support
- These advising guidelines seek to provide maximum support and guidance during the critical period of establishing renewed academic good standing.

Academic Dismissal

A student academically dismissed may not register for credit classes at the University for a minimum of one semester, unless readmitted provisionally. Such readmission is not automatic.

Provisional Readmission

A student academically dismissed may apply for provisional readmission for one semester, according to terms of a provisional readmission contract agreed upon by the student and the readmitting college. At the discretion of departments, students provisionally readmitted may be subject to some or all of the following requirements:

- limitation to 12 or fewer credit hours
- repetition of courses with grades of D or F
- attendance at mentoring appointments
- approval by academic advisor of all changes to the schedule of classes
- use of campus resources for academic support

These advising guidelines seek to provide maximum support and guidance during the critical period of establishing renewed academic good standing. A provisionally readmitted student is not in good standing with the University.

Academic Grievance

If a student has a possible grievance with a faculty member, the procedures for filing a grievance are outlined in the student code of conduct in the Student Rights and Responsibilities: A Code of Student Behavior.

Class Schedules

A schedule of University class offerings is prepared for student use for each semester/term and published electronically. The course reference number (CRN), time, day, title, course number, credit hours, instructor, and room are listed. General information concerning admission, registration, and graduation also is provided.

The Schedule of Classes is available online at www.usi.edu/schedules.asp prior to each semester/term.

Academic Advisement

Students who have decided on and declared a major are assigned a faculty advisor from the academic college which houses that major. Undecided students, as well as those who are conditionally admitted, are assigned an advisor from University Division. University Division advisors will help students choose a major, usually during the first four semesters. General Studies majors are advised through Extended Services. The University of Southern Indiana recognizes academic advising to be a critical component of the educational experience of its students. Through individual, collaborative relationships with academic advisors, students are best able to define and implement sound educational and vocational plans that are consistent with their personal values, goals and career plans. Academic advisors represent and interpret University policies and procedures to the student and help the student navigate the academic and organizational paths of the institution. The University acknowledges its obligation to provide students with accurate and timely academic advising, delivered through its academic departments and colleges, as well as through additional units and offices devoted to specific student populations such as undecided and conditionally admitted students.

Degree Audit Reporting System A degree audit (also called a degree evaluation) outlines a student's specific degree requirements and tracks his/her progress toward the fulfillment of those requirements. Both USI courses and an evaluation of any transfer credits are included, and the audit indicates whether categories are satisfied or unsatisfied. Unsatisfied categories list the acceptable courses from which to select. Students can generate and view their degree audit via myUSI (the Degree Evaluation link on the Student Records menu). A degree audit can be generated for either the student's currently declared major/program, or as a "what-if" audit for another major in which the student might be interested. Students should routinely review their degree audit, particularly before registering for classes and at the end of the semester when grades are official. Academic advisors also can access their advisee's degree audit via myUSI and can recommend the most appropriate courses. Visit www.usi.edu/registrar for details about how to run and read a degree audit.

Student Participation in Program Planning. A student enrolled in the University is expected to read carefully and to understand the contents of this bulletin. This includes awareness of the University's general policies and regulations for academic achievement necessary for continued enrollment, as well as social and campus conduct.

A student also is responsible for knowing the specific requirements of the academic discipline of the student's choice, enabling the student to qualify for graduation.

A student should assume the initiative for preparing a semester schedule of classes. The academic advisor is available to offer suggestions and to verify the accuracy of course choice in meeting curricular patterns, but the primary responsibility for knowing the requirements of the academic program and proceeding to satisfy those requirements in an orderly and sequential manner remains with the student.

Schedule Changes

Students who wish to alter their original schedule, whether by personal incentive or by college directive, must do so officially by the procedure outlined below. Students who do not assume this responsibility may jeopardize their record with the possibility of incurring an F in a course not properly dropped and/or not receiving credit in a course improperly added. Merely not attending a course does not automatically remove the course from the student's record.

Schedule Changes-Academic Year

If a student drops or withdraws from one or more full semester courses through the first week of a fall or spring semester, the student will receive a 100 percent credit; during the second week, a 75 percent credit; during the third week, a 50 percent credit; and during the fourth week, a 25 percent credit.* No credit will be made thereafter. Refund checks, if applicable, will be issued by the Bursar's Office subsequent to the refund period. See the semester calendar for specific dates.

1. **Through the first week of the semester (100 percent credit*):** After priority registration and through the first week of the semester, students add or drop courses online via myUSI (refer to the Schedule of Classes for web registration details). Students also may add or drop courses in person at the Office of the Registrar.
2. **Beginning the second week of the semester, through the last business day before final exams (75 percent credit or less*):** Online schedule changes are not available beyond the first week of the semester. Students may add or drop courses in person at the Office of the Registrar by submitting an Add/Drop form. The form requires the signatures of the instructor of each course being dropped or added, the student's academic advisor, and the student. NOTE: Only in exceptional circumstances will students be allowed to add a course after the first week of the semester.

Grading: No grade is recorded for classes dropped prior to the second week of the semester*. A student who completes the Add/Drop procedure beginning the second week of the semester through the ninth week of the semester* will receive a **W** for all courses dropped. A student who completes the Add/ Drop procedure during the 10th week of the semester* through 4:30 p.m. on the last business day before final exams* will receive the grade **W** if passing at the time the course is dropped. However, if failing at the time the course is dropped, the student may receive a grade of **F**.

* Courses meeting less than a complete semester have different drop/refund/grading dates. Check www.usi.edu/registrar or contact the Office of the Registrar for these dates. Online schedule changes or withdrawals for special length courses can only be processed through the course's 100 percent credit period (but no later than the first week of the semester). Thereafter, students must submit the appropriate form to the Office of the Registrar for processing.

Schedule Changes-Summer Term

If a student drops or withdraws from one or more five-week courses through the first two days of a summer term (first day for a four-week course), the student will receive a 100 percent credit; during the third or fourth day (second day for a four-week course), a 75 percent credit; during the fifth or sixth day (third day for a four-week course), a 50 percent credit; and during the seventh or eighth day (fourth day of a four-week course), a 25 percent credit.* No credit will be made thereafter. Refund checks, if applicable, will be issued by the Bursar's Office subsequent to the refund period. See the term calendar for specific dates.

1. **Through the first two days of a five-week class (first day of a four-week class), 100 percent credit*:** After priority registration and through the first two days of First or Second summer (first day of Third summer), students may add or drop courses online via myUSI (refer to the Schedule of Classes for Web registration details). Students may add or drop courses in person at the Office of the Registrar.
2. **Beginning the third day of a five-week class (second day of a four-week class), through the last day of class before the final exam (75 percent credit or less*):** Online schedule changes are not available beyond the first two days of First or Second summer (first day of Third summer). Students may add or drop courses in person at the Office of the Registrar by submitting an Add/Drop form. The form requires the signatures of the instructor of each course being dropped or added, the student's academic advisor, and the student. NOTE: Only in exceptional circumstances will students be allowed to add a course after the first two days of First or Second summer (first day of Third summer).

Grading: No grade is recorded for classes dropped prior to the third day of First or Second summer (first day of Third summer)*. A student who completes an Add/Drop procedure beginning the third day through the third week of First or Second summer (second through twelfth day of Third summer)* will receive a **W** for all courses dropped. A student who completes an Add/Drop procedure starting the fourth week (thirteenth day of Third summer)* through the last day of class before the final exam will receive the grade **W** if passing at the time the course is dropped. However, if failing at the time the course is dropped, the student may receive a grade of **F**.

* The typical summer course length is five weeks in First and Second summer, four weeks in Third summer, although a variety of course lengths may be offered. Summer courses meeting other than the typical length, including cross-term courses, have different drop/refund/grading dates. Check www.usi.edu/registrar or contact the Office of the Registrar for these dates. Online schedule changes or withdrawals for special length courses can only be processed through the course's 100 percent credit period (but no later than the first two days of First or Second summer, first day of Third summer). Thereafter, students must submit the appropriate form to the Office of the Registrar for processing.

Withdrawal from the Semester/Term

A student who must withdraw from the semester/term, must do so officially by the procedure outlined below. If they do not assume this responsibility, they may jeopardize their record with the possibility of incurring an F in a course not properly dropped. Merely not attending a course does not automatically remove the course from a student's record.

Withdrawal from the Semester-Academic Year

If a student drops or withdraws from one or more full semester courses through the first week of a fall or spring semester, the student will receive a 100 percent credit; during the second week, a 75 percent credit; during the third week, a 50 percent credit; and during the fourth week, a 25 percent credit.* No credit will be made thereafter. Refund checks, if applicable, will be issued by the Bursar's Office subsequent to the refund period. See the semester calendar for specific dates.

1. **Through the first week of the semester (100 percent credit*):** After priority registration and through the first week of the semester, students may withdraw from all classes online via myUSI (refer to the Schedule of Classes for web registration details). Students may withdraw from the semester in person at the Office of the Registrar.
2. **Beginning the second week of semester, through the end of the week before final exams (75 percent credit or less*):** Online withdrawals are not available beyond the first week of the semester*. Students may withdraw from the semester using a Withdrawal From All Classes form found in the Office of the Registrar and online at www.usi.edu/registrar. A withdrawal request will be accepted by fax at 812/464-1911. The request must include the student's full name, USI student ID number, address, phone/email, the semester for which the student wishes to be withdrawn, and student signature. Until all steps in the procedure have been completed, the student is still enrolled in all courses.

Grading: No grades are recorded for classes when withdrawing prior to the second week of the semester*. A student who completes the Withdrawal From the Semester/term procedure beginning the second week of the semester through the ninth week of the semester* will receive the grade of **W** for all courses dropped. Students who complete the Withdrawal From the Semester/Term procedure during the 10th week of the semester* through the last day of classes preceding final exam week will receive the grade of **W** if passing at the time of withdrawal. However, if failing at the time of withdrawal, the student may receive a grade of **F**.

Financial Aid: If a student receives financial aid but is unsure of the impact a Withdrawal From the Semester/Term will have on that financial aid, it is recommended that the student contact the Student Financial Assistance Office. Students with a Stafford Loan must schedule an exit counseling session. Failure to complete the exit counseling session will prevent the release of the student's academic transcript.

Additional Steps: Students who live in University housing must contact the Residence Life office (O'Daniel North) to properly check out. Students who have a meal plan must contact Food Services (UC lower level) to cancel the plan. Students who owe money to the University must settle their account at the Cashier's window (OC lower level); an unpaid balance will prevent the release of academic transcript.

* Courses meeting less than a complete semester have different drop/refund/grading dates. Check www.usi.edu/registrar or contact the Office of the Registrar for these dates. Online schedule changes or withdrawals for special-length courses can only be processed through the course's 100 percent credit period (but no later than the first week of the semester). Thereafter, students must submit the appropriate form to the Office of the Registrar for processing.

Withdrawal from the Term - Summer Term

If a student drops or withdraws from one or more five-week courses through the first two days of a summer term (first day for a four-week course), the student will receive a 100 percent credit; during the third or fourth day (second day for a four-week course), a 75 percent credit; during the fifth or sixth day (third day for a four-week course), a 50 percent credit; and during the seventh or eighth day (fourth day of a four-week course), a 25 percent credit.* No credit will be made thereafter. Refund checks, if applicable, will be issued by the Bursar's Office subsequent to the refund period. See the term calendar for specific dates.

1. **Through the first two days of a five-week class (first day of a four-week class), 100 percent credit*:** After priority registration and through the first two days of First or Second summer (first day of Third summer), students may

withdraw from all classes online via myUSI (Refer to the Schedule of Classes for web registration details). Students also may withdraw from the term in person at the Office of the Registrar.

2. **Beginning the third day of a five-week class (second day of a four-week class), through the last day of class before the final exam (75 percent credit or less*):** Online schedule changes are not available beyond the first two days of First or Second summer (first day of Third summer). Students may withdraw from the term using a Withdrawal From All Classes form found in the Office of the Registrar and online at www.usi.edu/registrar. A withdrawal request also will be accepted by fax at 812/464-1911. The request must include the student's full name, USI student ID number, address, phone/email, the term for which the student wishes to be withdrawn, and student signature. Until all steps in the procedure have been completed, the student is still enrolled in all courses.

Grading: No grade is recorded for classes dropped prior to the third day of a summer term*. A student who completes the Withdrawal From the Semester/Term procedure beginning the third day of the term through the third week of the term* will receive the grade of **W** for all courses dropped. Students who complete the Withdrawal From the Semester/Term procedure during the fourth week of the term* through the last day of class before the final exam will receive the grade of **W** if passing at the time of withdrawal. However, if failing at the time of withdrawal, the student may receive a grade of **F**.

Financial Aid: If a student receives financial aid but is unsure of the impact a Withdrawal From the Semester/Term will have on that financial aid, it is recommended that the student contact the Student Financial Assistance Office. Students with a Stafford Loan must complete an exit counseling session. Failure to complete the exit counseling session will prevent the release of the student's academic transcript.

Additional Steps: Students who live in University housing must contact the Residence Life office (O'Daniel North) to properly check out. Students who have a meal plan must contact Food Services (UC lower level) to cancel the plan. Students who owe money to the University must settle their account at the Cashier's window (OC lower level); an unpaid balance will prevent the release of academic transcript.

* The typical summer course length is five weeks in First and Second summer, four weeks in Third summer, although a variety of course lengths may be offered. Summer courses meeting other than the typical length, including cross-term courses, have different drop/refund/grading dates. Check www.usi.edu/registrar or contact the Office of the Registrar for these dates. Online schedule changes or withdrawals for special length courses can only be processed through the course's 100 percent credit period (but no later than the first two days of First or Second summer, first day of Third summer). Thereafter, students must submit the appropriate form to the Office of the Registrar for processing.

Course Repeat Policy

Policy – Any undergraduate course taken at the University may be repeated for possible grade point average (GPA) improvement. Unless the course description indicates a course may be taken more than once for credit (up to a specified maximum), only a single occurrence of a course can apply toward University requirements. A course that has been repeated (and the grade received) will remain on the academic transcript but will not be used for GPA computation.

Processing – If a course was first taken prior to the fall 1998 semester, the student must submit a Course Repeat form to the Office of the Registrar to initiate the course repeat policy. If first taken in fall 1998 or later, the policy will automatically be initiated; the student does not need to submit any paperwork.

Effective fall 2006: if a course is retaken, the grade earned for the last occurrence will become the grade for the course (even if it is lower than the previous grade) and be used for GPA computation. Students will be prevented from enrolling in a course for a third (or subsequent) time unless reenrollment is approved by the college of the student's major.

If you have questions about how the course repeat policy may affect you, contact the Office of the Registrar.

Students' Records

The Office of the Registrar maintains the permanent student academic record. Forms for registration - changing a course, repeating a course, changing major, and taking a course as pass/no pass - are submitted to and processed by this office. Students

may request a copy of their academic record (transcript) from the Registrar. This office also maintains all student demographic data and keeps names and addresses current. According to section 2.16.4 of the Student Rights and Responsibilities: A Code of Student Behavior, students must report any name or address changes to the Office of the Registrar. Students can update their mailing address(es) as well as telephone numbers, marital status, and emergency contacts online via myUSI.

Pass/No Pass Option

The Pass/No Pass system of course evaluation encourages students to enroll in courses they normally would not take, but which will contribute to their overall enrichment.

Limitations

1. Students must have a cumulative grade point average of 2.0 or above to exercise the pass/no pass option. Students whose cumulative grade point average falls below 2.0 may not take a pass/no pass course.
2. Students may take only one course a semester on the pass/no pass option.
3. Students may take a maximum of four courses on the pass/no pass option.
4. No course required for the student's major or minor may be taken pass/no pass, nor may the student take as pass/no pass any prerequisite courses or supportive courses required for the major or minor.
5. No courses taken pass/no pass may apply to pre-1995 General Education requirements, University Core Curriculum or Core 39 requirements.
6. Any course taken under the pass/no pass option which may become a major or minor requirement because of a change of major, minor, or college may be counted at the discretion of the dean toward requirements for the academic major and/or minor. Limitations 1, 2, 3, and 5 may not be waived.
7. Under the pass/no pass option, a grade of P (Pass) is equivalent to a letter grade of D or above; a grade of NP (No Pass) is equivalent to an F.
8. A grade of P gives credit for the course, but does not affect the current or cumulative grade point average. A grade of NP gives no credit for the course and does not affect the current or cumulative grade point average.

Procedures

During the second week of the fall/spring semester (first three days during summer sessions), students may secure an application for the pass/no pass option from the Office of the Registrar. Then the student should obtain the signature of his or her academic advisor and the instructor of the class in which he or she is exercising this option. The student must return the completed application to the Office of the Registrar during the same week. After the second week of the fall/spring semester (first three days during summer sessions) a student may not change his or her registration in any course to or from the pass/no pass option.

NOTE: Only the student can initiate the pass/no pass option, and it is the student's responsibility to meet criteria of the option. Any course taken pass/no pass which fails to meet all criteria of the option must be repeated.

Change of Academic Program (Major/Minor)

A student who wishes to change majors/minors should initiate the request in the department of the new major/minor. A student must complete the process prior to the beginning of the 12th week of classes if the change is to be made within the current semester. Unless granted a waiver by the chair of the department of the new major, the student must meet all current program requirements for graduation.

Procedure: The student obtains a Change of Academic Program form from the Office of the Registrar or the department of the new major/minor and secures the signature of the department chair/director (or dean) of any major/minor to be added. The student returns the form to the Office of the Registrar.

Change of Academic Bulletin

Students may choose to change the academic bulletin of their major, minor, or concentration. By changing academic bulletins, students must understand that not only are they changing major, minor, or concentration requirements but possibly other requirements such as the university core curriculum/Core 39, and number of hours required for graduation. Students may **not** choose to follow major/minor/concentration requirements from one academic bulletin and university core curriculum/Core 39 or other requirements from a different academic bulletin. Once a student chooses to change academic bulletins, all requirements for graduation change to the chosen academic bulletin as well. A student may change to a current or future bulletin, but may not revert back to a previous bulletin.

Procedure: The student obtains a "Change of Academic Bulletin" form from the Office of the Registrar or the department of the major/minor, secures the signature of the academic advisor, and returns the form to the Office of the Registrar for processing. The student must submit the completed form prior to the beginning of the 12th week of the semester if the change is to be made within the current semester.

Final Exam Schedule

The final examination schedule is published in the electronic class schedule for each semester. In summer terms, final examinations are held the last scheduled class day.

Grade Report

At the end of each semester/term for which a student is enrolled, an online grade report is made available via MyUSI. The online grade report is a record of courses enrolled, letter grades earned, semester grade point average, and cumulative grade point average. Information concerning the student's current academic standing also is indicated.

The Honors List

At the end of each semester, the Office of the Provost publishes a list of undergraduate students recognized for achievement in semester/term grade point average. A student appears on the Honors List if they:

Earn no IN (incomplete) or Z (missing) grades for the term, and
Earn letter grades of computable point value (S/U and P/N graded courses do not apply) in 12 or more credit hours, and
Earn a semester grade point average between 3.50 and 4.00

A special notation of "Honors List" is printed on the academic transcript following each semester/term this honor is achieved.

Audit Students

A student who wishes to audit an undergraduate course without credit must obtain permission from the instructor of the course and department chair. Permission may be denied if the classroom is crowded, or if the course is not appropriate for auditing. A student who audits a course will not appear on class rosters or grade reports, and no notation of the audit will be made on the student's permanent record. A student may not transfer from audit to credit status. The fee for auditing a course is \$35 plus any applicable lab fees and University services fees.

Procedure. A student who wishes to audit a course may pick up an Audit Application form from the Office of the Registrar during the published dates of late registration. After securing the instructor's and department chair signature, the form and fee(s) should be submitted to the Cashier's Office.

Student Assessment

For the University to evaluate and improve its academic programs, periodic measures of student intellectual growth and student perception must be obtained. As a requirement for graduation from the University, every student is required to participate in periodic evaluative procedures, which may include examinations in general education and the major field of study. These examinations may include, but are not limited to, the ETS Measure of Academic Progress and Proficiency, Core Curriculum Assessment instruments, and the ETS or ACAT Major Field Test. The information obtained from these measures will be one of the means by which the University improves the quality of the USI educational experience for all students, and, where appropriate, may be used in academic advising. Students will receive their results via email at their USI email address.

Current Status of Student Right-to-Know Act

The University of Southern Indiana is required by the federal government to make available to current and prospective students reports containing the completion or graduation rate and, separately, the transfer-out rate (for the transfers-out that are known to the institution) for full-time, first-time, degree- or certificate-seeking undergraduates. The report, containing information for students who entered the institution in the 2008-09 academic year, must be available by January 1, 2015, for institutions. Students are counted as graduates or as transfers-out if they completed or graduated or if they transferred-out within 150 percent of the normal time for completion or graduation from their programs by August 20, 2014.

Graduation

Undergraduate degrees offered

The University grants the undergraduate degrees of Bachelor of Arts, Bachelor of Science, Bachelor of Science in Engineering, Bachelor of Social Work, Bachelor of General Studies, Bachelor of Science in Nursing, Associate of Arts, and Associate of Science. Commencement ceremonies are held in December and April/May of each year. Students completing graduation requirements in the fall are eligible to participate in December commencement exercises. Students completing graduation requirements in the spring, or will complete graduation requirements in one of the subsequent summer sessions, are eligible to participate in April/May commencement exercises.

Bachelor of Arts or Associate of Arts Foreign Language Requirement

Modern and classical language proficiency is a requirement for the Bachelor of Arts or Associate of Arts degree. The language requirement recognizes the desirability of attaining basic mastery of a language other than one's own. To fulfill the language requirement for the Bachelor of Arts or Associate of Arts degree, a student must demonstrate proficiency through the appropriate college-level course in a single language (French, German, Spanish, Japanese, Latin, Arabic, or Chinese) by either:

1. completing the first 12 credit hours of the language (four semesters, through 204, or higher), or
2. completing the fourth semester of the language (204) or higher, if advanced placement is recommended. Note: achieving a grade of B or better in the USI course in which they are placed, then completing a Departmental Credit form (through the Department of Modern and Classical Languages) earns credit for all preceding courses.

Students whose native or first language is not English may request a waiver from the foreign language requirement. A student who requests a waiver must (1) certify English competency by achievement of a minimum of 500 on the written Test of English as a Foreign Language (TOEFL) or 173 on the computer-based version, and (2) demonstrate proficiency in the student's native language.

Students who receive an exemption from the foreign language requirement are responsible for completing the BS requirement set forth in the Core 39 as well as all other credit-hour requirements for the degree.

General Requirements for Graduation. Meeting graduation requirements is each student's responsibility. A candidate for a baccalaureate or associate degree must meet the general requirements of the University. The following requirements apply to each student.

- A student must have a minimum of 120 semester hours of credit for a baccalaureate degree. Some curricula or combination of fields require more. If all specified requirements are completed with fewer than 120 credit hours, a student must elect sufficient work to total at least 120 hours.
- A student must have a minimum of 60 hours of credit for an associate degree. Some curricula or combination of fields require more. If all specified requirements are completed with fewer than 60 credit hours, a student must elect sufficient work to total at least 60 hours.
- All students who began seeking a degree in the 1996 fall semester or after must complete a minimum of 39 credit hours at the 300-level or above to complete a baccalaureate degree.
- A student must complete the minimum Core 39 program. Specific requirements for the Core 39 component of each degree program are noted in the sections of this bulletin describing each of the academic programs.
- A student must have a 2.0 minimum cumulative grade point average on all University courses counted for graduation requirements. Some curricula, such as teacher education programs, require a higher grade point average.
- Incomplete grades should be removed at least six weeks before the term of graduation if the courses are to be counted toward graduation requirements.
- Course requirements for graduation in the student's degree program(s) may be those in effect at the time of matriculation into the program or at graduation, but not a combination of both. NOTE: students who re-enter the University after an absence of one calendar year or more must follow the program requirements in effect at the time of their readmission.
- A student must earn a minimum of 30 credit hours of credit toward a baccalaureate, and 18 credit hours of credit toward an associate degree from the University.

Application for Graduation. Candidates for graduation must file with the Office of the Registrar a Formal Application for Graduation and a Diploma Form. If degree requirements will be completed in a spring or summer term, the forms should be submitted no later than October 1 of the preceding fall term. If degree requirements will be completed in the fall term, the forms should be submitted no later than March 1 of the preceding spring term. The Application for Graduation may be obtained at the office of the Dean of the candidate's major. The Diploma Form is submitted online by visiting www.usi.edu/registrar/diploma.asp. Timely submission of the Formal Application for Graduation and Diploma Form help ensure that degree candidates receive commencement mailings and appear in the printed commencement program, will be considered for commencement honors, and will have a diploma ordered.

Honors. An undergraduate, baccalaureate degree-seeking student who completes all University requirements for graduation and meets the requirements for graduation honors, with a cumulative grade point average between 3.6 and 3.8, will be graduated with the honor Cum Laude. Students with a cumulative grade point average of 3.8 or higher will be graduated Magna Cum Laude. The student(s) with the highest cumulative grade point average will be graduated Summa Cum Laude. A student receiving graduation honors will have the appropriate notation printed on both the transcript and diploma.

Commencement honors (for purposes of printing the commencement program) are determined by using the cumulative grade point average at the end of the semester/term preceding each commencement.

Graduation honors are determined by using the cumulative grade point average of the final term when graduation requirements are completed and therefore may differ from commencement honors.

University Requirements for Commencement Honors. A student who is to receive a baccalaureate degree and meets each of the following requirements is eligible for commencement honors.

- Have completed (or have a combination of completed and enrolled hours in the final semester) a minimum of 60 credit hours at the University in which letter grades of computable point value were received.
- Have a minimum cumulative grade point average of 3.6 on all courses attempted at the University.

University Requirements for Graduation Honors. A student who is to receive a baccalaureate degree and meets each of the following requirements is eligible for graduation honors.

- Complete a minimum of 60 credit hours at the University in which letter grades of computable point value were received.
- Have a minimum cumulative grade point average of 3.6 on all courses attempted at the University.

Associate and master's degree candidates are not eligible for honors.

Second Baccalaureate Degree

A student who desires a second baccalaureate degree must complete a minimum of 30 credit hours in addition to those required for their first degree and must fulfill all requirements for the second degree. With the exception of the Teacher Education Programs and other programs with program-specific Core 39 requirements, a student completing a second baccalaureate degree does not have to meet Core 39. If a student received the first baccalaureate degree from another accredited university, 30 hours in residence are required to fulfill the requirement for the second baccalaureate degree. Two baccalaureate degrees may be granted simultaneously, providing all requirements for both degrees have been completed and a minimum of 150 hours has been earned.

Posthumous Recognition of Students

Posthumous degree

The University may award a degree posthumously to a student who was enrolled at the time of death and had substantially completed the work for a degree, upon recommendation of the appropriate faculty and dean. A special, posthumous diploma will be presented to the student's family.

The University of Southern Indiana has established the following guidelines for awarding a posthumous degree:

Undergraduate

A posthumous degree can justifiably be awarded when a student had substantially completed the work for the undergraduate degree. This determination rests with the dean of the college, in consultation with the undergraduate faculty of the department of the student's major.

Graduate

A graduate degree may be awarded posthumously when the student has substantially completed the work for the graduate degree. This determination shall be the responsibility of the dean of the college, in consultation with the graduate faculty of the student's program.

Certification of Recognition

The University may award a Certificate of Recognition posthumously to a student who was enrolled at the time of death but who did not qualify for a posthumous degree. A special, posthumous certificate will be presented to the student's family.

Student Life

Emphasis at the University is on learning, including the learning which occurs beyond the classroom and laboratory. In the mission statement of the University, is the intent to "prepare students to live wisely in a diverse and global community". A variety of programs and services in Student Affairs offers opportunities for students to develop their abilities to live wisely. These include but are not limited to: career preparation, health and wellness, and various opportunities for leadership development. Students are encouraged to apply the skills they learn in the classroom and learn new skills out of the classroom through their involvement in the holistic student development opportunities at USI. To learn more about involvement opportunities and services, go to: <http://www.usi.edu/students/>.

Dean of Students Office (DOSO)

The mission of the Dean of Students Office (DOSO) is to enhance academic achievement, social integration, and overall transition to USI by supporting student success at USI and in their local, regional, and global communities. The DOSO staff is here to help students succeed at the University by connecting them to resources, assisting them as they navigate administrative processes with other University offices and serve as advocates when students face academic and personal challenges. We provide support during times of challenge, crisis, and emergencies, as well as opportunities for students to engage in good decision-making.

The DOSO strives to empower all students to discover, pursue, and achieve their personal and educational goals. In addition, we serve as primary student advocates offering and promoting collaborative programs and services in collaboration with Academic Affairs and other Student Affairs offices. We do this by assisting students in the resolution of problems, providing information about and referral to campus resources, and promoting institutional initiatives that address students' needs and interests. We also serve as a resource for faculty and staff, as well as parents and families, in supporting student retention, graduation, and overall success at USI.

See Student Rights and Responsibilities: A Code of Student Behavior and visit <http://www.usi.edu/deanofstudents> for additional resources. The Dean of Students Office can be reached by calling 812/464-1862 or email deanofstudents@usi.edu.

Career Services and Internships

An integral part of the University, the Office of Career Services and Internships complements and supplements curricular programs by providing career coaching and employment assistance to students and active alumni from all academic disciplines. The primary mission of the office is to assist students in transitioning from the academic environment to the professional workplace. To achieve this mission, the Office of Career Services and Internships professionals meet with students in individual appointments as well as working closely with academic departments, student organizations, and Student Affairs departments to provide programs and presentations that encourage and educate students in obtaining internships and professional employment.

The University encourages all students to participate in an experiential education activity prior to graduating and an internship or cooperative education (co-op) experience provides this opportunity. These professional practice programs offer an opportunity for students to integrate classroom learning with career-related work experience in both the public and private sector. Although many are paid positions, the primary value of an internship or cooperative education experience is the opportunity to clarify career goals, gain practical experience, and establish contacts with professional colleagues. Internships and co-ops are competitive and Career Services assists students from all majors in conducting an effective search. The office also provides ongoing support to students during the internship or co-op and facilitates documentation of the student's experience.

To be eligible for participation in most co-op or internship opportunities, students must have a grade point average (GPA) of at least 2.0 and must have completed at least 32 credit hours. Transfer students must have attended the University for one full semester. Requirements for students from certain academic disciplines are more stringent, requiring that particular classes be completed before eligibility can be met.

Internships most frequently are completed during a student's junior or senior year and most University internship courses allow students to earn up to three credit hours by working a specified number of worksite hours. The co-op program offers two distinctly different patterns of study and work: alternate and parallel. The alternate pattern requires students to alternate semesters of full-time work with semesters of full-time study. The parallel pattern offers part-time work experience over an extended period of time while students maintain a minimum academic load. Because each program option benefits each student differently, programs are individually tailored to meet student and employer needs.

Upon admittance to the University, undergraduates seeking employment may receive job referrals to both on- and off-campus positions through Career Services and Internships. Part-time jobs and summer employment opportunities listed with this office allow all students, regardless of financial need, to earn money to support their education.

Students who have completed, or who will be completing, a degree program within the next calendar year are advised to meet with a Career Services and Internships professional for assistance with job search strategy for post-graduation professional employment. There is a professional staff member dedicated to working with each of the University's colleges. In addition,

workshops emphasize the identification of individual marketable skills and assist with resume development, interview preparation, employer networking, and general job search strategy.

Students and graduates are strongly encouraged to use their account in Eagle Career Launch, the online job listing and recruiting system exclusively for USI students and graduates. All students have an active account once they are admitted to the University and are advised to routinely use the system, as well as store up-to-date resumes in their accounts. All opportunities, including part-time, summer, co-op, internships, and full-time professional positions are listed in Eagle Career Launch and include positions with local, regional, and national employers.

Career Services and Internships serves a vital employer relations role for the University by maintaining an extensive database of contacts, routinely meeting and communicating with employers, and planning and facilitating events such as career and job fairs and networking events for students and employers.

Career Services and Internships maintains an extensive web site of career and job resources including job listings, a virtual practice interview program, and general information about careers and jobs. A career resource library in the office contains printed materials covering such diverse topics as career and occupational information, job search techniques, and recruiting events. Computers also are available for resume writing and job research activities.

Information regarding the Graduate Record Examination (GRE), the entrance exam frequently required for admission to graduate programs, may be obtained by contacting Career Services and Internships or the Graduate Studies Office. Career Services also assists with personal statements for graduate school application, as well as practice with admission interviews.

Students at all levels of academic study, from freshmen through seniors and graduate students, are encouraged to meet with Career Services and Internships professionals and take advantage of the career, internship, and job search services provided.

Counseling Center

The Counseling Center offers individual therapy, group therapy, and substance abuse assessments to currently enrolled students. The Counseling Center is here to help USI students develop the personal awareness and skills necessary to overcome problems, make effective decisions, and grow and develop in ways that will allow them to maximize their total educational experience at the University of Southern Indiana. The Counseling Center's services are another form of learning whereby students learn how to relate effectively to others, understand and cope with emotions, set appropriate goals, make healthy decisions, resolve inner conflicts, develop independence, and increase self-confidence. Through counseling and the various presentations and workshops that are offered, the Counseling Center helps students fulfill their hopes, dreams, and potentials in their journey of life-long learning.

Students may call the Counseling Center at 812/464-1867 or stop by the office in the Orr Center, Room 1051, to make an appointment. Except in very limited circumstances, all information shared with counselors is kept private and confidential. Referrals are offered when students have needs that are beyond the role and/or scope of services available. Additional information and resources can be found on the Counseling Center's website: www.usi.edu/counselingcenter.

Dining Facilities

The University dining facilities are operated by Sodexo Campus Services. Dining options are offered in Burger King, Archie's Pizzeria, Sub Connection, Fiesta Fuego, and Cyclone Salads on the main floor of the University Center. The Loft and The Sweets Spot Bakery on the upper level of the University Center, and Starbucks in Rice Library. In addition, Sodexo operates Eagle Express Convenience Store, located in the Residence Life Community Center, Red Mango in the Wright Administration Building, and two Simply To Go units with sandwiches, salads, and beverages: one in the Liberal Arts Building and one in the Health Professions/Science Center link. Catering services are available for meetings, programs, and events. For additional information on meal plans, catering services, or employment opportunities, contact the food service office, UC 019, 812/464-1859, or visit us on the web at www.usifood.com.

Office of Disability Resources (ODR)

ODR coordinates services and academic accommodations for USI students with disabilities to ensure equal access to facilities, programs, services and resources of the university. Students with disabilities seeking accommodations (such as extra time on exams, accessible textbooks, note takers...) are encouraged to submit documentation of their disability to ODR at least 60 days prior to the date they will need accommodations. If you are uncertain as to the documentation that may be needed please call 812/464-1961 or visit our website at www.usi.edu/disabilities.

The Office of Disability Resources is located in the Orr Center, room 095. The office is open from 8-4:30pm Monday through Friday.

International Programs and Services

The primary mission of the Office of International Programs and Services is to enhance the international dimensions of the University and to facilitate opportunities for all students to acquire skills necessary to succeed in a global society. The IPS Office is responsible for international recruitment and retention and the delivery of information, services, and programs designed to meet the unique needs of international students and scholars.

The IPS Office also is responsible for the development and administration of USI study abroad programs in 60 countries. Students obtain USI credit for coursework completed through an approved study abroad program; program fees are billed through USI, which enables students to apply most types of financial aid and scholarships to the study abroad program costs. Students should plan well in advance of the term they plan to study abroad, to determine how the coursework completed overseas will count toward the USI degree program.

In addition, International Programs and Services organizes weekly events for the Global Community Program in Ruston Hall and works closely with the International Club and other organizations on campus to provide activities and programs designed to increase international awareness, acceptance, and understanding of peoples and cultures from all corners of the globe. Further information on the programs and services and a detailed calendar of international events can be found on the IPS homepage www.usi.edu/international.

Multicultural Center

The University of Southern Indiana's Multicultural Center enhances the personal and academic success of students by preparing them to be responsible citizens in a multicultural society. The goals of the Center are to:

- Foster and provide a warm, welcoming, supportive, and inclusive environment for diverse populations at USI;
- encourage, promote, and assist the academic and social integration of underrepresented students into the University through programs and services offered by the Center and through partnerships with other campus entities;
- create opportunities for cultural interaction between students, the campus and the community at large to promote cultural awareness and sensitivity; and
- provide outreach opportunities to underrepresented groups and underserved communities to seek higher education.

The Vision Statement for the Center is to develop diversity awareness within students to build a bridge between college life and future multicultural experiences.

Recreation, Fitness, and Wellness

The Recreation, Fitness, and Wellness Department is the combination of the intramural sports, fitness, and student wellness programs. The University encourages the lifelong pursuit of an active, healthy lifestyle, and enhances student development by providing healthy activities, as well as leadership and employment opportunities. The offices are located in the Recreation, Fitness, and Wellness Center (RFWC).

Recreation and Fitness — Recreation and Fitness offers programs designed to promote a healthy lifestyle and meet the physical, social, spiritual, intellectual, and emotional needs of students and employees. Some of the services and programs provided by Recreation and Fitness include fitness consultations, facility orientations, incentive programs, bike and camping equipment

checkout, and open recreation. The RFWC also includes a lobby with computers, a computer lab, a game room, and a climbing center. A valid USI Eagle Access card is required to participate. Guest passes are available for purchase at the RFWC welcome desk. Recreation and Fitness staff can be reached in the Recreation, Fitness, and Wellness Center, or by calling 812/461-5268.

Intramural Sports — The Intramural Sports program offers a wide array of recreational activities which provide competition suitable for students regardless of physical capabilities. Participation in the intramural, special events, and outdoor adventure programs enriches social relationships, develops an understanding of sports, and aids physical and mental improvement. Intramural staff can be reached in the Recreation, Fitness, and Wellness Center or by calling 812/461-5268.

Student Wellness — The Student Wellness program develops, implements, and coordinates health and wellness education activities for the University community. The staff of Student Wellness is located in the Recreation, Fitness, and Wellness Center, 812/461-5483.

USI Recreation facilities include —

Indoor

Recreation and Fitness Center

Physical Activities Center

Outdoor

Broadway Recreational Complex

Screaming Eagles Valley Complex (disc golf)

RFW outdoor basketball and sand volleyball courts

Clarke Lane field

Foundation field

Tennis courts

Running/walking trails

Low Ropes Team challenge course

Religious Life

Religious Life provides religious guidance, educational and worship opportunities for students, faculty, and staff, and is located in the O'Daniel Apartment complex (corner of O'Daniel Lane and Clark Lane). The mission of the Religious Life Office is to provide access to programs that enable interested students to pursue full spiritual growth and development. Religious Life fosters a campus atmosphere in which members of the college community may freely express their religion/nonreligion faith beliefs as to live wisely.

To find out more about the religious life organizations on campus and area worship information, go to www.usi.edu/religiouslife.

Housing and Residence Life

Housing and Residence Life provides on-campus accommodations for approximately 2,800 students. The department is committed to supporting and enhancing the educational mission of USI by providing programs, services, staffing, and facilities that support academic success. Students live in quality facilities, including one- and two-bedroom furnished apartments with full-size kitchens, as well as two-bedroom, two-bath residence hall suites.

Housing facilities also provide several amenities, including

- full-size kitchens or kitchenettes
- basic expanded cable service
- local phone service
- Internet access including both wired and wireless connections
- Computer areas for student use
- fully furnished apartments and suites
- shuttle service
- air conditioning
- laundry facilities
- convenience store
- all utilities
- on-site security
- 24-hour on-site staff supervision

Housing and Residence Life has numerous leadership opportunities for students in the residence halls and apartments. We invite you to get involved with your community and meet many great people on campus. Getting involved at USI makes the most of your time here and is a fun way to meet others who want to make a difference on campus. Getting involved is also a great way to learn leadership skills. Check out all that we have to offer!

Student Housing Association (SHA) and the National Residence Hall Honorary (NRHH) are each student organizations within Housing. Each group has their own executive board, goals and purpose. SHA is open to all housing residents. NRHH is an invitation-only student organization that recognizes the top 1% of students in Housing.

Housing and Residence Life also offers leadership opportunities as a job! We hire resident assistants, desk assistants, and night clerks throughout the year.

Living Learning Community programs also are available for incoming freshmen. Currently, there are nine communities which are housed in Ruston and O'Bannon halls. Each Living Learning Community is developed around a common academic discipline or interest area. The Living Learning Communities require a separate application, and are as follows:

- Honors
- Global Community
- Business
- Nursing and Health Professions
- Science, Technology, Engineering and Math
- Education
- English and Theatre Arts
- Social Justice
- Exploring Majors

For more information, contact the Housing and Residence Life office at 812/468-2000, living@usi.edu, or visit the Housing and Residence Life web site at www.usi.edu/housing.

Student Development Programs

(Student Organizations, O'Daniel Leadership Programs, Orientation, Fraternity and Sorority Life, Student Activities, Activities Programming Board, and Freshman Programs)

The Office of Student Development Programs promotes student learning by providing leadership education, avenues for involvement, and personal growth opportunities to develop responsible individuals as engaged members of their communities. They assist students in their transition to the University and college life through the development and coordination of new, transfer, and adult student orientation, Welcome Week, and other transition programs. The staff coordinates, advises, and supports the growth and development of over 120 student organizations, that represent a wide range of interests, including academic/professional organizations, programming, political, religious, multicultural, special interest, service, sororities, and fraternities, honor societies. These organizations provide co-curricular and extra-curricular activities for students. This department fosters an active and comprehensive campus experience through encouraging students to get involved. The staff trains students to become effective campus leaders and prepare them for leadership roles in their communities through the O'Daniel Leadership Programs. Based on the philosophy that people will be called upon to be leaders at some point in their life, USI created the Joseph E. O'Daniel Leadership Program. It is designed to enhance the personal and professional skills long associated with leaders: initiative and motivation, goal setting, communication, critical thinking, problem solving, self-confidence, teamwork, conflict management, and self-assessment. The leadership programs challenge and empower students to become aware of their leadership skills and help them feel confident in their ability to lead and make changes. Programs include Emerging Leaders, Camp Eagle, Student Leader Retreat, educational leadership events, and annual leadership awards.

Student Development Programs is located in University Center East and can be reached at 812/465-7167, getinvolved@usi.edu or visit the web site at www.usi.edu/sdv.

Activities Programming Board

The Activities Programming Board (APB), composed of numerous committees, is responsible for programming student activities for the campus community. Cinema USI (movies), lectures, musical performances, novelty events, and comedians, are just a few events coordinated by APB. For more information on APB's activities or how to become a member, visit the web site at www.usi.edu/apb or follow them on Twitter @usiapb.

Student Government Association

The Student Government Association (SGA) is the representative body of currently-enrolled students. It is composed of elected members of the student population and includes an executive board, six administrative vice-presidents, 22 representatives from the four academic colleges, 17 members at large, and a seven-member University Court. SGA serves as the voice of all students to the Board of Trustees, faculty, administration, and USI community. All students, by virtue of their registration at the University of Southern Indiana, are members of SGA and are encouraged to attend General Assembly meetings and serve on SGA committees. For more information, visit the web site at www.usi.edu/sga or email sga@usi.edu.

Student Publications

Student Publications provides opportunities for students to gain experience in reporting, writing, design, photography, and sales. The Shield is the student newspaper and is available at more than two dozen locations across campus every Thursday and online at usishield.com. Students from all disciplines are welcome to apply for staff and management positions.

WSWI

WSWI – The Edge, an award winning student run non-commercial radio station, is owned and operated by the University. The Edge can be heard on multiple platforms, including 820-AM, 90.7 FM HD-2, the edgeradio.org, channel 12 in student housing and on smartphones. The station's main format is alternative rock, and plays Electronic music at night and Hip-Hop on the weekends, and also news and sports. Students from all disciplines are welcome to be a part of The Edge's programming. Positions are available for disc jockey, news writing and reporting, sports broadcasting, marketing, promotion, and underwriting.

Scripps Howard Video Complex

The Scripps Howard Video Complex houses a television production facility and the student cable television channel, SETV-12. The facility includes a fully equipped, three-camera television studio, camcorders for field shooting, and Apple computers for video editing. Student productions include the live newscast Access USI, USI home basketball game telecasts, entertainment shows, and Radio/Television class assignments. SETV-12 airs these programs along with movies and student organization announcements.

University Health Center

The University Health Center offers acute and minor care, contraceptive counseling and birth control options, immunizations, allergy injections, pregnancy tests, laboratory testing, physicals, STD diagnosis and treatment and other medical procedures. Services needed beyond the scope of the Health Center are accessible through our referral network. The Health Center is staffed by Deaconess Health System employees including a nursing staff, a Nurse Practitioner and a Doctor. The Health Center is a first come first serve walk in clinic available to all students, faculty and staff of USI. The Health Center also offers a limited pharmacy on site with prices ranging from \$5 - \$9. The Health Center is open Monday through Friday from 8:00 – 4:30 in the lower level of the Health Professionals building and can be reached at 812/465-1250 or via fax at 812/465-7170. Additional information and resources can be found on the University Health Center's website: www.usi.edu/healthcenter.

Student Policies

Family Educational Rights and Privacy Act

Notice of student rights

The Family Educational Rights and Privacy Act (FERPA) affords students certain rights with respect to their education records. These rights include:

1. The right to inspect and review the student's education records within 45 days of the day the University receives a request for access.
 - Students should submit to the registrar, dean, head of the academic department, or other appropriate official written requests that identify the record(s) they wish to inspect. The University official will make arrangements for access and notify the student of the time and place where the records may be inspected. If the records are not maintained by the University official to whom the request was submitted, that official shall advise the student of the correct official to whom the request should be addressed.
2. The right to request the amendment of the student's education records that the student believes are inaccurate or misleading.
 - Students may ask the University to amend a record that they believe is inaccurate or misleading. They should write the University official responsible for the record, clearly identify the part of the record they want changed, and specify why it is inaccurate or misleading. If the University decides not to amend the record as requested by the student, the University will notify the student of the decision and advise the student of his or her right to a hearing regarding the request for amendment. Additional information regarding the hearing procedures will be provided to the student when notified of the right to a hearing.
3. The right to consent to disclosures of personally identifiable information contained in the student's education records, except to the extent that FERPA authorizes disclosure without consent.
 - One exception which permits disclosure without consent is disclosure to school officials with legitimate educational interests. A school official is a person employed by the University in an administrative, supervisory, academic or research, or support staff position (including law enforcement unit personnel and health staff); a person or company with whom the University has contracted (such as an attorney, auditor, or

collection agent); a person serving on the Board of Trustees; or a student serving on an official committee, such as a disciplinary or grievance committee, or assisting another school official in performing his or her tasks. A school official has a legitimate educational interest if the official needs to review an education record in order to fulfill his or her professional responsibility.

4. The right to file a complaint with the U.S. Department of Education concerning alleged failures by the University to comply with the requirements of FERPA.

Directory Information

The following information may be made available to the public unless a student restricts its release by written notice. Information restriction request forms are available in the Office of the Registrar.

University directory (either online or in print) - The following information may be published by the University: name, mailing address, telephone number, and email address – unless a USI Directory Restriction Request form is filed with the Office of the Registrar during the first three weeks of each fall semester.

General requests for student information - When appropriate, the following information also may be made public by the University through printed programs, news releases of awards, etc.: date and place of birth, home address, marital status, majors and minors, degrees, awards received, dates of attendance, most recent educational institution attended, names of parents, participation in officially-recognized activities or sports, weight and height of members of athletic teams, classification, and enrollment status. An Information Release Restriction Request form can be submitted 1) to be effective for only the single term specified; or 2) to remain in place until revoked in writing.

The submission of a student's Social Security number is voluntary. The University will not use the number, if supplied, for purposes other than routine record-keeping and institutional statistics, without a student's written permission.

General Behavior of Students

The University of Southern Indiana is charged by the State of Indiana with the responsibility for the development and administration of institutional policies and rules governing the role of students and their behavior. Student Rights and Responsibilities: A Code of Student Behavior contains statements of those University regulations and policies relevant to the academic and co-curricular experience.

The University community is not a sanctuary from the law, and all students of the University are subject to federal, state, and local law. Student Rights and Responsibilities: A Code of Student Behavior, published in this bulletin, forms the basis for student behavioral expectations in the USI community and the greater community at large. The standards of conduct apply to students while on University-owned or -controlled property, when attending University-sponsored events off campus, or when such conduct involves the security or integrity of the University community.

In addition, the University is a forum for the free expression of ideas. The development and enforcement of these standards of behavior is designed to foster students' personal, social, and ethical development. These standards serve to promote the protection of the rights, responsibilities, and health and safety of the USI community, so that its members may pursue educational goals. See Section 1.0 Purpose and Application of Student Rights and Responsibilities: A Code of Student Behavior.

Deception/Falsification/Misrepresentation

Falsification or misuse of records and/or misrepresentation of facts on University forms and documents, including but not limited to, application forms, data sheets, ID cards, fee receipts, may result in disciplinary action and/or cancellation of registration. See Section 2.16 of Student Rights and Responsibilities: A Code of Student Behavior.

Student Academic Honesty

Academic dishonesty, including plagiarism, cheating, submitting another person's material as one's own, or doing work for which another person will receive credit will subject a student to disciplinary action which may include dismissal from the University.

The benchmarks of any great university are high academic standards for both faculty and students. For this reason, truth and honesty are necessary to a university community. The University expects both students and faculty to adhere to these principles and to foster them daily. Put simply, this expectation requires each student to do his or her academic work without recourse to unauthorized means of any kind. Both students and faculty are expected to report instances of academic dishonesty. Faculty should explain the special hazards regarding academic honesty in their discipline. Faculty also should plan and supervise academic work carefully so honest effort will be encouraged.

Definitions of academic dishonesty also apply to the use of electronic, photographic, Internet-based, and other media for intellectual and artistic expression. See Section 3.0 of Student Rights and Responsibilities: A Code of Student Behavior for academic dishonesty definitions and sanctions. See the Dean of Students Web site for a procedural description of the process.

Policy on Alcoholic Beverages and Illegal Drugs

The University of Southern Indiana prohibits the illegal manufacture, purchase, possession, use, consumption, sale, transfer, exchange, and/or distribution of or being under the influence of drugs and alcohol by students, employees, and visitors on University-owned or -controlled property, including University owned or -leased vehicles, or as part of any University activity as that term is defined by the University.

The University expects the cooperation and commitment of all students and employees in maintaining an environment free of illicit drugs and illegal use of alcohol. Students and other campus constituents are deemed to be adults responsible for their own behavior and are expected to obey the law and University rules regarding drugs and alcohol. For more information on University drug and alcohol policies, see Section 2.1 of Student Rights and Responsibilities: A Code of Student Behavior.

The dean of students is charged with the development and administration of the University of Southern Indiana student conduct process. Under the supervision of the dean of students, the following individuals will be charged with the execution of conduct proceedings:

- Assistant Director for Student Conduct – Housing and Residence Life
- Director of Residence Life
- Director of Student Development Programs
- Additional staff members in the University community as deemed appropriate and as trained by the dean of students

The aforementioned individuals may conduct meetings and hearings with students who may have violated any University policy, including those found in Student Rights and Responsibilities: A Code of Student Behavior, USI University housing community standards (Appendix B of Student Rights and Responsibilities: A Code of Student Behavior), and USI student organization policies (Appendix C of Student Rights and Responsibilities: A Code of Student Behavior).

Campus policy on drug and alcohol abuse is monitored by the Substance Abuse Advisory Committee comprised of administrators, faculty, staff, and students who recommend policy changes as needed.

Weapons/Explosives/Hazardous Materials

The President of the United States in October of 1970 signed into law a crime control bill which makes campus bombings a federal crime. The law allows "the full force of the FBI" to move in to investigate bombing attacks instead of waiting for a request from University authorities. The law also makes it a federal offense to transmit false bomb threats and restricts the sale and possession of explosives. The transfer, possession, use of, or sale of weapons, including, but not limited to explosives, fireworks, and firearms (or other lethal weapons) are not allowed on any University -owned or -controlled property. A student who violates regulations regarding explosives, weapons, and fireworks is subject to disciplinary action by the University. This action may be taken in addition to any civil action. (See Section 2.11 of Student Rights and Responsibilities: A Code of Student Behavior)

Policy on Sales and Solicitations

No canvassing, peddling, soliciting, distributing, or posting of any written or printed material by non-University individuals or organizations is permitted on the grounds or in the buildings or on equipment or networks owned/operated by the University without the written permission of the president. Such solicitations that are prohibited include the use of electronic mail and web page solicitations. Any activity in violation of this policy should be reported to the Office of the Dean of Students.

Students and employees are not permitted to solicit, canvas, or peddle any items, distribute or post any unauthorized material within the buildings or through equipment or networks owned/operated by the University or on the grounds of the University without the written permission of the president or designate. Such solicitations that are prohibited include the use of electronic mail and Web page solicitations. Any activity that violates this policy should be reported to the Office of the President.

Approved solicitations include the annual United Way campaign and various Foundation and University solicitations. Other activities may be approved for projects and/or programs that are of direct interest and value to the University. Students and employees may donate as generously as they wish, as the University does not imply any obligation on the part of the individual to contribute. Contributions to charitable and welfare programs and activities are entirely matters of individual discretion.

Sales, solicitations, and distributions are permitted by officially registered campus organizations only if they are for the general benefit of the University and/or the community and have received authorization of the president or a designate. Application for approval for sales and solicitations events (including athletic events and events held in Residence Life areas) may be initiated with the student scheduler. Generally, sales and solicitations are limited to three days in a 30-day period and not more than twice a semester. Authorization to sell on campus does not constitute an endorsement by the University of either the product sold or the service rendered. The University of Southern Indiana and the USI Foundation do not recognize fund-raising efforts using games of chance, such as raffles, door prizes, half-pots, or bingos as methods for raising charitable funds. Neither the University nor the USI Foundation is a qualified organization licensed by the Indiana Department of Revenue, Charity Gaming Division, to conduct such activities. Student groups and University support groups are encouraged to solicit funds in other ways. For information, contact the director of Development.

Sales and soliciting groups or individuals are expected to adhere to the following regulations:

- The use of sound equipment (tv, stereo, amplifiers, public address system) is restricted; permission to use such must be obtained from Scheduling Services.
- Groups must display a printed sign no smaller than 18" x 24" signifying the name of the organization hosting the sale or solicitation.
- For-profit entities must have a retail sales permit available at the scheduled activity. (A currently-enrolled student representing the sponsoring group or organization must be present at all times.)
- Groups or individuals must have written confirmation for the scheduled event available at the scheduled event.

Space in the University Center may be reserved by a registered student organization. The University Center may be used by registered student organizations for conducting campus-wide elections, distributing literature relating to student organizations, recruiting membership for student organizations, and activities, sales, and solicitations.

Failure to comply with the above policy will result in referral to the appropriate disciplinary process and could result in the loss of solicitation privileges. (See Section 2.25 and Appendix C of Student Rights and Responsibilities: A Code of Student Behavior for more information on student organization policies.)

Identification Card for Students

A student identification card (called the Eagle Access Card) is provided to each student. Cards can be obtained from the Eagle Access Card Office located in the University Center. A fee of \$10 will be charged a student who makes application to replace an Eagle Access Card.

It is against University regulations for any person to alter in any way the information contained on the Eagle Access Card, or to allow the card to be used by another person (whether a student or not). This card must be carried with the student at all times and

must be shown upon request. An Eagle Access Card is required for admission to athletic events, participation in intramurals, admission to the USI Recreation and Fitness Center, and to check out materials from Rice Library.

A student who misuses and/or alters an Eagle Access Card, or who fails to present the card at the request of a University official, is subject to disciplinary action. (See Section 2.15 of Student Rights and Responsibilities: A Code of Student Behavior). More information on the Eagle Access Card can be found at www.usi.edu/book/studevel/eaccess.asp.

Immunization Notice

All students entering the University for the first time and/or living in University housing must meet the immunization requirements of the University and Indiana Code 20-12-71 enacted by the 2002 Indiana General Assembly. To comply with requirements, you must provide current documentation of the following immunizations:

- two measles, one mumps, and one rubella (2 MMR vaccines acceptable; first MMR must be given after 1967 and not before first birthday), or a physician's written statement of immunity to measles and mumps due to having had the infection. You may submit a blood titer as documentation of MMR immunity. The titer must show immunity to rubeola, rubella, and mumps. It must be signed by a physician and must show the name of the medical laboratory performing the titer. Students born before January 1, 1957, are exempt from the MMR requirement;
- tetanus/diphtheria (Td booster) within past 10 years – tetanus toxoid NOT ACCEPTABLE;
- tuberculin skin test (Mantoux only) prior to the start of the first semester at USI, no earlier than six months for American citizens and six weeks prior for international students. Must be administered and read in the United States by a registered nurse or physician within 48-72 hours. Must have the signature of the registered nurse or physician reading the results to be valid.
- All students MUST read and sign the Meningococcal and Hepatitis B Risk Acknowledgement Form and return it with the Immunization Form in order to complete the file.

For further information contact the Student Immunization Office at 812/461-5285. The documentation must be mailed, delivered, or faxed to the USI Student Immunization Office prior to the start of the student's first semester at USI. The office is located in the lower level of the Health Professions Center, room 0102. The Student Immunization Office fax number is 812/461-5284. More information and a downloadable immunization form can be found online at www.usi.edu/studenthealth/immunization.asp.

Health Insurance Requirements for International Students

All international students (F-1 or J-1 visa holders and J-1 dependents) are required to have adequate health insurance while enrolled at the University of Southern Indiana. The University health insurance program offers comprehensive coverage designed for international students who will be billed for the cost of this program at the beginning of the academic year for coverage from August 15 to August 14.

The USI health insurance coverage may be waived if the student already has adequate health insurance. Students must provide an insurance certificate or other documentation in English, showing that health insurance meets the minimum requirements.

Minimum coverage must provide:

- medical benefits of at least \$50,000 per accident or illness
- repatriation of remains in the amount of \$25,000
- expenses associated with medical evacuation to student's home country in the amount of \$25,000
- a deductible (the amount you pay) not to exceed \$500 per accident or illness
- coverage for August-July (for students beginning in fall) or January-July (for students beginning in spring)
- the insurance policy must be underwritten by an insurance corporation having an A.M. Best rating of A- or above, or the endorsement of the student's government.

Contact the director of International Programs and Services if you have any questions regarding this requirement.

University Honors Program

The mission of the Honors Program at the University of Southern Indiana is to support the University's continuing effort to improve the scholastic standing and educational opportunities for all University students and to encourage highly motivated students to reach their full potential in the classroom, the larger campus, and the wider community. The University recognizes and nurtures the talents and abilities of all of its students. The Honors Program is designed to offer expanded opportunities for those students who show promise of outstanding academic achievement. Participation in the program exposes students to a wide range of intellectual and academic experiences, provides enriching extracurricular activities, promotes rewarding interaction between students and Honors faculty, and gives students the opportunity to form lasting friendships with other students committed to academic excellence. As a result of their enhanced collegiate experience, Honors students have a distinct advantage in their future pursuits, whether they go on to graduate or professional school or go directly into their chosen professions. The designation of University Honors Scholar is awarded to those students who successfully complete the Honors curriculum, a distinction which is noted on both the diploma and the official transcript.

The Honors curriculum serves to supplement and enrich the student's overall experience within any of the University's major fields of study. To this end, students in the program grow through special classes that stress the interrelatedness of knowledge; skill in oral and written communication of ideas; and methods and techniques for the analysis, synthesis, and evaluation of information. Honors classes tend to be more challenging and stimulating, with smaller class sizes for increased participation and discussion. Typically, Honors students will enroll in specially designated sections of courses taken either from Core 39 or from the student's major. Students generally take one or two Honors courses in a given semester as part of their normal progress toward the baccalaureate degree.

Students who have earned an SAT score of at least 1200 (Math and Critical Reading), or an ACT composite of at least 27, and have a grade point average of 3.25 are eligible to apply for acceptance into the Honors Program. Other interested students are encouraged to apply. Evaluations of these students are made on the basis of cumulative grade point average, class rank, academic background, and extracurricular activities. Students who have completed a minimum of 15 credit hours at USI, or elsewhere, with a cumulative 3.25 grade point average, are eligible to apply.

To be recognized as a University Honors Scholar, students must complete their undergraduate work with a cumulative 3.25 grade point average or above, and complete a minimum of 21 hours of Honors credit with grades of A or B. The 21 hours of Honors credit must include a one-hour Honors seminar (UNIV 101.HS#, Honors 101 or Honors 102) and an Honors capstone contract added to a 300- or 400-level class in a student's major or minor, or an approved substitute.

Honors students have the opportunity of living in the Honors living-learning community in the residence halls. Research shows that students participating in living-learning communities graduate with greater frequency, maintain higher GPAs, and report greater satisfaction with their college experience than do students as a whole. Residing in the Honors living-learning community also facilitates a greater sense of being part of the larger Honors community at USI.

Honors students are encouraged to participate in study abroad, field study, sponsored undergraduate research, and in the National Collegiate Honors Council (NCHC) annual conference. The Honors Program offers scholarships to assist students with the cost of studying abroad.

USI Athletics

The University of Southern Indiana subscribes to the precepts and fundamental policies of the National Collegiate Athletic Association (NCAA). The University believes a well-conducted intercollegiate athletic program, based on sound educational principles and practices, is a proper part of its mission, and the educational welfare of participating student athletes is of primary concern.

The University of Southern Indiana is a member of the NCAA Division II and the Great Lakes Valley Conference (GLVC). Fifteen intercollegiate athletic teams participate in competition at the NCAA Division II level. There are eight women's teams

(basketball, cross country/track, golf, soccer, softball, tennis, and volleyball) and seven men's teams (baseball, basketball, cross country/track, golf, soccer, and tennis). The intercollegiate athletic program gives student athletes an opportunity to use their talents while pursuing their studies.

Currently 15 other schools compete in the Great Lakes Valley Conference along with the University of Southern Indiana: Bellarmine University, Drury University, Kentucky Wesleyan College, Lewis University, Maryville University, McKendree University, Missouri University of Science and Technology, Quincy University, Rockhurst University, Saint Joseph's College, University of Illinois-Springfield, University of Indianapolis, University of Missouri-St. Louis, William Jewell College and University of Wisconsin-Parkside. Truman State University will replace Kentucky Wesleyan in the conference in 2013-1014.

The University of Southern Indiana won the NCAA Division II National Championships in men's basketball (1995) and baseball (2010). The Screaming Eagles also were the national finalist twice in men's basketball (1994 and 2004) and once in women's basketball (1997), while the baseball team reached the national semifinals in 2007.

The first individual national championship was Elly Rono's cross country title in 1997. Rono followed with a pair of track national championships in 1998, while Heather Cooksey and Candace Perry won national championships in track in 2004 and 2005. Mary Ballenger became the fourth national champion in track during the 2009 outdoor season.

In the conference, USI consistently challenges for GLVC titles, winning the 2003-04 All-Sports Trophy and Commissioner's Cup. All 15 varsity sports sponsored at USI also have won the conference championship and/or made an NCAA Tournament appearance since 1990.

In addition to excellence on the field and playing court, USI students have excelled in the classroom. Since 1993, USI student athletes have earned numerous Academic All-America awards and GLVC Scholar Athlete of the Year honors. The Eagles also have an overall average grade point average of 3.1.

The University abides by the guidelines of Title IX regulations, thus providing equity in men's and women's sports. Financial support for athletics is derived from admission fees, student fees, advertising, and contributions from the Varsity Club, business and industry, and individuals.

Other University Offices and Services

Office of Alumni and Volunteer Services

In cooperation with the USI Alumni Association, this office coordinates a variety of programs and services to benefit alumni and students. Anyone who has completed one semester's work on the campus is entitled to membership in the Alumni Association. Active members play a leading role in the success of USI through career networking, mentoring, recruiting, and volunteering.

This office is the liaison with the USI Student Alumni Association (SAA), which provides a link for students to work with the Alumni Association. SAA is a student-run organization committed to promoting and supporting the establishment of traditions at USI. Members have an opportunity to network with alumni and gain valuable leadership skills while working on SAA programs and activities.

Volunteering at USI has something for everyone—it is a rewarding way to share talents and abilities or develop new skills. Volunteer USI opportunities are available within the University as well as in the Evansville community. Students, faculty, staff, student organizations, or members of the community can assist with one-time events, short-term assignments, ongoing commitments, or be on call as needed.

The USI Parents & Families Association helps to involve families in the life of the University. It also serves as a resource for parents and families. A gift of \$25 to the Parents & Families Association helps support various activities for parents, families, and students, such as Parents & Families Weekend, the Eagle Roundup picnic, and the Camp Eagle parent sessions.

For additional information, call 812/464-1924 or visit www.alumni.usi.edu, www.usi.edu/alumni/saa, www.usi.edu/volunteer, and www.usi.edu/family.

Center for Communal Studies

The Center for Communal Studies (www.communalcenter.org) in the College of Liberal Arts is a research facility and international clearinghouse that assists classes, students, faculty, and visiting scholars with the subject of communal societies, intentional communities, and utopias. The center facilitates meetings, seminars, publications, and networking among scholars and communities.

The center coordinates its work with the extensive Communal Studies Collection in the Special Collections Department of Rice Library, which provides a rich base for undergraduate and graduate research.

The Center for Communal Studies Lecture Series brings noted scholars of communal societies and communitarians to share their knowledge and experience on campus. The center awards annual prizes to both an undergraduate and a graduate student who submits the best scholarly paper or project on a communal theme by January 15.

Development Office

The Development Office is responsible for developing, coordinating, and implementing a comprehensive private fund-raising program for the University of Southern Indiana and its outreach programs under the auspices of the USI Foundation. The president of the University is the official spokesperson on all fundraising matters. The director of Development/president of USI Foundation, in concert with other administrative units, will assess University needs, identify possible private sources for funds to meet those needs, prepare plans for soliciting sector funds, and direct the personnel and financial resources available through the office toward obtaining resources to meet those needs.

One of the Development Office's primary responsibilities is to provide staff assistance and guidance for the USI Foundation, founded in 1968 as the official gift-receiving agency of the University. As an Indiana not-for-profit 501(c)(3) corporation, the USI Foundation promotes, receives, invests, and disburses gifts for the benefit of the University.

Division of Outreach and Engagement

www.usi.edu/outreach
812/464-1829

Outreach and Engagement coordinates and supports outreach activities of the University. Its mission is to extend the resources of the University through education and training programs, assessment activities, consulting, applied research, service learning, and related services which assist in the educational, human resource, and economic development of southern Indiana. Components of Outreach and Engagement are:

Academic Services

Bachelor of General Studies Program – The Bachelor of General Studies (BGS) program is designed for working adults who want to complete a baccalaureate degree that builds on their previous education, training, and work experience. It requires completion of the standard 120 credit hours, including the Core Curriculum, but allows flexibility in program design. Call **812/464-1879** or go to www.usi.edu/bgs for additional information.

USI Nearby – USI Nearby is an outreach program coordinating evening courses at off-campus locations that are convenient to students who live and work in Warrick County, eastside, and downtown locations. Current USI Nearby locations include Castle High School, the National Guard Armory, and Innovation Pointe. For maps and class schedules, go to www.usi.edu/nearby or call **812/464-1879**.

Center for Education Services & Partnerships – The Center for Education Services and Partnerships focuses on programs that involve schools and individuals in P-16 education. These include the College Achievement Program (CAP—see the following), STEM initiatives, Super Summer, and other public programs for children, parents, and teachers. For more information, call 812/228-5022.

College Achievement Program – The College Achievement Program provides an opportunity for high school juniors and seniors to earn dual high school/college credit in selected courses offered at participating high schools. USI faculty are involved as course liaisons and in facilitating training for high school faculty. For more information visit www.usi.edu/cap.

Reserve Officers Training Corps (ROTC) – At the request of the Indiana Army National Guard, USI established an Army ROTC program in the fall semester of 2001. The program provides numerous opportunities for qualified students, most notably in the form of full tuition assistance for tuition and fees. The minor in Military Science offers qualified students an opportunity to obtain a commission as a Second Lieutenant in the U.S. Army and to serve on active duty, in the Army Reserve, or the Army National Guard. Army ROTC scholarships and other incentives provide qualified students with outstanding financial assistance packages, covering virtually all costs for up to four years of college. The ROTC program is located in the lower level of the Education Center and may be reached at **812/461-5301**.

Veteran Support Services -- Veteran Support Services assists students with applying for and utilizing Department of Veterans Affairs education benefits. Assistance is available to all prospective and enrolled USI students who are veterans, servicepersons, dependents, survivors of veterans, and other eligible persons to keep them informed of available veterans' programs, from education, personal counseling on a variety of topics, to job placement organizations. There are several assistance programs with basic eligibility criteria that vary from one to another.

This is the certifying office for the enrollment of persons training under the veterans' programs. All veterans, servicepersons, dependents, and survivors of veterans, and anyone else who may be eligible for veterans' assistance should contact this office. Students receiving Veterans Affairs education benefits must make contact with this office each semester to begin or continue their certification of enrollment process to the Veterans Affairs Regional Office.

Staff provide outreach, counseling, and academic assistance referral for veterans and servicepersons throughout the academic year.

This office also evaluates, as per the American Council on Education's recommendations, military experience for University credit. Those wishing to have their military experiences evaluated for possible University credit should contact Veteran Support Services at 812/464-1857 for required documentation and requirements.

Service Learning – Service Learning is an academic pedagogical approach to university education that incorporates community projects into courses. There are two equally important goals of service learning: enhancing student learning and providing a valuable service to the community. For a service learning project to be successful, both goals must be met simultaneously. Ideally, students learn what courses are intended to teach, supplementing classroom instruction with "real world" experience, while also contributing something valuable to the community. Typically, successful projects are done with community partners, where relationships are developed between an academic institution and a community group over time. Many projects are built into courses (academic service learning) but some are done by students in groups outside of the classroom (co-curricular service learning). All projects incorporate learning goals and reflection/assessment.

The Service Learning office can help faculty by:

- providing information and resources regarding service learning
- assisting with the training of students
- assisting with logistics, such as transportation or delivery of material/students
- assisting with preparation and duplication of reports
- assisting with small financial needs
- providing follow-up surveys and communication with partners/students

Call **812/465-1203** for more information or visit www.usi.edu/extserv/outreach/ServiceLearning.

Epi-Hab Center for Disability Studies – The Epi-Hab Center for Disability Studies was created by a grant from the former Epi-Hab of Evansville. The Center focuses on programs in the community, student scholarships, and faculty research. Public programs have included appearances by nationally known speakers and writers on disability issues as well as funding for faculty participation in disability-related conferences. Information is available at 812/464-1829.

Individual, Business, Organizational, and Regional Development Services

The Division of Outreach and Engagement promotes and supports regional economic, social, and cultural development, as well as lifelong learning for individuals, through the following offices and departments.

- **Center for Applied Research and Economic Development** – The Center for Applied Research and Economic Development works with businesses and organizations throughout the region to help leverage the intellectual capabilities of the university. The Center matches faculty, staff, and students with regional businesses and organizations to conduct research, consulting, and other applied projects, ranging from economic impact studies to new product development. This engagement will not only benefit the region, but also will help these individuals in their career development. Opportunities exist for individual faculty and student involvement, as well as class projects. Information is available at 812/461-5442.
- **Corporate Partnerships**– Outreach and Engagement's Corporate Partnerships provides full-service consulting and training focused on identifying businesses' needs and locating the best resources to meet those needs, from across USI or across the country. Moving beyond traditional training and consulting products, this office creates partnerships with businesses and identifies opportunities for businesses to work together, among similar or vastly difference sectors, to address challenges and unmet needs. In addition, Corporate Partnerships develops site-specific and job-specific training to assist businesses in realizing target outcomes of productivity, profit, retention, and customer service. Call 812/465-1629 for more information.
- **Continuing and Professional Education** – Continuing and Professional Education manages off-campus credit courses at several sites in Southwestern Indiana (USI Nearby) and a wide variety of noncredit programs and services. There are more than 15,000 noncredit registrations annually in business and professional development and computer applications courses; specialized courses for health professionals; fitness; arts and leisure activities; programs for children and parents; personal interest areas including foreign languages; and conferences. Noteworthy management and employee development activities include the Management Diagnostic Center (MDC), certified DDI leadership courses, and on-site and customized programs for employers in most business, professional, and technical areas. Information is available at 812/465-1117.

Many professions, including but not limited to healthcare, social work, and accounting, require annual continuing education hours which may be earned through selected courses and seminars. The University maintains a permanent file of all continuing education hours granted.

Conferences and seminars are held throughout the year. The staff is available to help organizations assess needs and plan, develop, and conduct programs on campus or at other facilities. Call 812/464-1864 for more information.

- **USI-Crane NSWC Partnership** – This partnership exists to benefit USI students and faculty, Crane NSWC, and the economy of the region. Facets of the partnership include internships, technology transfer, intellectual property development, and STEM services and activities for grades K-12. Information is available at 812/228-5153.
- **I-69 Innovation Corridor Initiative** – USI is the convener of a large group of stakeholders aspiring to enhance the economic ecosystem of Southwestern Indiana through smart growth and development along the I-69 Corridor. For more information call 812/464-1851.
- **Higher Education Partner, Innovation Pointe** – USI is the Higher Education Partner in the Certified Technology Park centered at Innovation Pointe in downtown Evansville. Services provided include support and coaching for Innovation Pointe clients, facilitation services for businesses and organizations, and credit and noncredit courses. In addition, an outstanding space for facilitated planning and working sessions is available to Outreach and Engagement clients. Call 812/492-4394 for details.
- **Connect with Southern Indiana** – Connect with Southern Indiana received start-up funding from the Lilly Endowment to boost Indiana's retention of intellectual capital. At the heart of the program is strengthening critical thinking and promoting active citizenship. Participants expand their opportunities for creating new connections: with

other residents, with local and regional organizations, between communities, and between USI and the region. These connections are designed to transcend traditional boundaries of towns and counties, occupation, and demography. Participation in Connect with Southern Indiana provides invaluable, tangible skills, including the opportunity to meet others from the region with similar concerns and interests, identify areas for collaborative problem-solving, meet business and civic leaders, while developing critical thinking skills. USI faculty and staff are encouraged to apply. Call 812/465-1629 for more information.

- **Grant Research and Development** – A professional grant researcher/writer is available in the Division of Outreach and Engagement to assist in seeking funding for USI outreach projects. Faculty interested in working with Outreach and Engagement on such programs should call 812/464-1829 for more information.
- **Historic New Harmony** – Since 1985, USI's Historic New Harmony has facilitated cultural and educational programs related to New Harmony's important historic resources. In cooperation with Indiana State Museum and Historic Sites, USI maintains several properties within the National Historic Landmark District and the National Register District, as well as an extensive collection of artifacts and the award-winning Atheneum which serves as New Harmony's visitor center. Tours of the sites are offered. The many opportunities for faculty, staff, and student engagement include research projects, service learning, and professional and personal development retreats. Art courses and exhibits are offered through the New Harmony Gallery of Contemporary Art (see below). www.usi.edu/hnh
- **New Harmony Gallery of Contemporary Art** – The New Harmony Gallery provides a not-for-profit, non-commercial exhibition space for current young and mid-career Midwestern artists and promotes discourse about and access to contemporary art for the general public. Several exhibitions are opened each year and a consignment shop provides a year-round venue for artists to sell their work. www.usi.edu/nhgallery
- **Historic Southern Indiana** – Historic Southern Indiana seeks to identify, protect, enhance, and promote the historical, natural, and recreational resources of southern Indiana for the benefit of visitors and citizens alike. This heritage-based outreach program created in 1986 serves the 26 counties between US 50 on the north and the Ohio River on the south. Historic Southern Indiana provides students and faculty in all disciplines opportunities for applied research and professional enhancement in community and regional development, cultural and heritage tourism, interpretation and marketing, and K-12 educational projects. www.usi.edu/hsi/index.asp
- **Southern Indiana Japanese School** – Designed for children of Japanese citizens working in the region, this program provides instruction in Japanese language, culture, and other selected disciplines on Saturdays and after the regular school day. www.usi.edu/extserv/sijs.htm.

Food Service

The University food service, managed by Sodexo Campus Services, operates in the University Center with seating in the Eagle's Nest, University Center East and Loft dining room. The Eagles Nest is home to Sub Connection, Burger King, and Archie's Pizzeria. The University Center East hosts Cyclone Salads which features bountiful veggie options, paninis, a variety of soups, and baked potatoes and Fiesta Fuego, fresh Mexican grill. The Loft, located on the second floor of the University Center West, serves a wide variety of home-style lunch and dinner items seven days a week, breakfast Monday through Friday, and brunch on the weekends during the fall and spring semesters. The Sweets Spot Bakery is located next to the Loft and features freshly baked pastries, donuts, cakes, cookies, gourmet coffee creations and more!

Students and staff on tight schedules or in classes in other buildings on campus can purchase bottled beverages, coffee, a variety of fresh-baked goods, salads, and sandwiches, and other convenience food items at Simply To Go in the Health Professions Center and in the main lobby of the Liberal Arts Center -- Starbucks is located on the first floor of Rice Library.

Munch Money and Dining Dollars can be used to purchase Starbucks merchandise.

Inside of the Wright Administration building, formerly known as the "Canteen", is the renowned frozen yogurt chain, Red Mango. Our award-winning frozen yogurt has it all -- calcium, protein, and live and active cultures that are good for you. Unlike other desserts that contain artificial ingredients or excessive calories. Red Mango frozen yogurt is all natural, nonfat or lowfat, kosher and certified gluten-free.

A full-service convenience store, the Eagle Xpress, is located near the McDonald Apartments, offering standard convenience store services, as well as Archie's Pizzeria with pizza delivery. Munch Money and Dining Dollars can be used for groceries, Archie's Pizzeria items, and all other merchandise, such as USI apparel.

Catering services for University-sponsored events on or off campus are available. For more information contact the Catering Services manager at 812/465-1652. Also, contact Catering Services for concessions participation for your club or group.

For a complete description of services, weekly menus for The Loft, ongoing promotions or specials, and employment opportunities, visit our web site at <https://usi.sodexomyway.com/home.xhtml>. Also, earn freebies and rewards and stretch your meal plan savings! Download QBOT Mobile Loyalty App for Android or Apple devices at www.qbot.com/download TODAY! For questions or issues please leave a comment at <http://usi.sodexomyway.com/people/feedback.xhtml>

Foundation Office (see Development Office)

Indiana University School of Medicine Evansville, on the campus of the University of Southern Indiana

The Evansville Campus of the Indiana University School of Medicine is a part of the Indiana Statewide Medical Education System, in which the regular medical curriculum of all four years is offered. Each student admitted to the Indiana University School of Medicine is assigned to one of nine campuses. Campus preference is honored as closely as possible.

Facilities for teaching and research include classrooms and teaching laboratories and faculty offices and research laboratories. The facilities are located on the third floor of the Health Professions Center. The curriculum consists of courses in gross and microscopic anatomy, biochemistry, physiology, microbiology, the patient-doctor relationship, and neurobiology in the first year and pharmacology, medical genetics, biostatistics, introduction to medicine, and general and systemic pathology in the second year.

With over 1,200 hospital beds in the region, students may complete third-year clerkships and fourth-year electives based in hospitals and clinical facilities. Disciplines are arranged in 16 week core blocks to foster a more dedicated interdisciplinary structure to patient care. Block 1 includes Internal Medicine/Neurology/Psychiatry. Block 2 includes Family Medicine/Pediatrics/elective. Block 3 includes Ob/Gyn/Surgery/Surgical Subs. In year four, there are only three required core clerkships; Emergency Medicine/Medicine Sub-I/Radiology. Students may wish to fulfill their competency requirements within these courses or in electives.

The University of Southern Indiana offers a joint Baccalaureate / Doctor of Medicine Program which allows accepted applicants full tuition waiver for USI and provisional admission to the Indiana University School of Medicine Evansville program. Students entering the program will be independently accepted into the undergraduate program at the University of Southern Indiana and the medical degree program at Indiana University School of Medicine.

Additional information is available online at <http://medicine.iu.edu/>. Specific inquiries about the center programs may be addressed to the Office of the Dean, Indiana University School of Medicine, Indianapolis, Indiana 46202, or also may be made to the Director and Associate Dean, IUSM Evansville, on this campus.

Instructional Technology Services (ITS)

Instructional Technology Services provides technical presentation and communication resources to support the teaching and learning activities of the University community and its partners. ITS clients include USI faculty, staff, students, and partner institutions and organizations. The goals of ITS are to provide consultation, planning, and promotion for the effective use of new and existing technologies to support instruction; maintain high standards of service for its clients; deploy University technical resources effectively and appropriately; and collaborate with members of the campus community and other partners on technical issues and activities. For general information about any of the following ITS programs and services, visit instructech.usi.edu or call **812/465-7182**.

Audio-Visual Equipment – Instructional Technology Services provides audio-visual equipment to faculty and staff for classroom or other academic use. To avoid scheduling conflicts, 48-hour notice is strongly recommended for video and computer projection equipment and 24-hour notice for all other equipment. Some equipment items may be requested on a semester-loan basis. Equipment is ordered online at instructech.usi.edu. Technical support is available by calling **812/464-1838**.

Blackboard Course Management Software – Instructional Technology Services operates and supports the Blackboard course management software that allows course materials and information to be shared on the Internet in a virtual classroom setting. Blackboard is an easy-to-use program for instructors to conduct course activities and distribute documents online such as syllabi, course handouts, video clips of lectures, guest speakers or demonstrations, PowerPoint presentations, send and receive student papers, post grades, generate class announcements or email messages, maintain a class calendar and tasks, generate online quizzes, and manage their own course discussion board. Students can collaborate in online group workspace, create their own web pages, and meet classmates in their course chat rooms. USI Blackboard is accessed through MyUSI for enrolled USI students or at blackboard.usi.edu for non-USI students, continuing education students, community partners, and guests.

Computer and Multimedia Presentation – Instructional Technology Services deploys computer data projection equipment for faculty to support their classroom and professional activities. The department also can assist with scanning pictures, photos, and slides. A digital camera is available for checkout to faculty and staff for multimedia projects. CDRom authoring through Instructional Technology Services allows faculty an opportunity to store a wealth of notes, data, and images in a readily accessible and compact format for ready retrieval both in and out of the classroom.

Distance Learning –The University of Southern Indiana (USI) offers many Distance Learning programs and courses via Internet, video conferencing, digital media and other learning technology platforms to accommodate student's learning styles, work schedule, and other life commitments. USI students have the option to take classes delivered completely online (.NO), online with some campus meetings (.NC), via videoconference at remote locations (.NR), or learning from CD ROM, videotape, other multimedia mediums (.NM). Students can evaluate their readiness level by taking a free *Online Student Readiness Assessment* before considering if the Distance Learning option is right for them .

In addition, USI coordinates its distance education course offerings with other Indiana colleges and universities through the Indiana Partnership for Statewide Education and the Indiana College Network (ICN). The ICN program provides information and assistance to students wishing to take online courses offered by USI and other Indiana institutions.

More information about distance learning at USI is available on the Internet at www.usi.edu/distance or by contacting USI's Department of Distance Learning at **812/228-5124** or email to distance@usi.edu.

Faculty/Staff Training Lab and Testing Support – Instructional Technology Services provides eight multimedia computer workstations with a presentation screen for faculty/staff training purposes. These workstations allow users to copy or make their own CD-ROMS to meet instructional or training needs. Workstation software includes Microsoft Outlook, Excel, Word, PowerPoint™, Front Page for web design, Paint Shop Pro for photograph and electronic graphic editing, Respondus for test creation, SPSS, and Easy CD Creator. Any department, academic unit, or individual faculty or USI staff member may schedule the use of the lab and/or make arrangements for an ITS training facilitator. For groups larger than eight persons, training may be scheduled in the 14-workstation Outreach and Engagement Training Lab housed within the ITS complex. ITS also provides the Scantron automated test-scoring machine (assistance is available) and Scantron forms.

Instructional Design and Online Course Development –Instructional Technology Services provides instructional design assistance for faculty to incorporate technology into their courses and departmental curricula. Faculty members are invited to make appointments with ITS instructional design staff to discuss individual course needs. ITS partners with the USI Center for Teaching and Learning Excellence to host presentations, symposia, and workshops as well as the Institute for Online Teaching and Learning, an intensive training program for faculty developing online courses.

Production Services – Instructional Technology Services provides a variety of media production capabilities for academic and University-related activities. Assistance is available in the development and design of instructional media including audio and video production, multimedia presentations including transparencies, slides, and MS PowerPoint™, CDRom creation, web page design, and videoconferencing. Image and slide scanning services also are available.

Videoconferencing Services – The University uses videoconferencing technology to deliver courses and programs and to facilitate meetings where participants are in two or more locations. Videoconferencing services are available to faculty and staff as well as external groups and individuals. The technology offers faculty and students a cost-effective way to meet with a variety of experts and peers in cities across the globe. In most instances, participants see and hear each other on television monitors. ITS staff can connect meeting participants by satellite television, ISDN, and IP video. The department equips and maintains distance learning classrooms and other multi-purpose videoconferencing rooms and coordinates programs broadcast through IHETS, the Indiana Higher Education Telecommunications System.

Video Rentals – Instructional Technology Services maintains a videotape catalog collection to assist faculty in locating instructional materials. Due to increased videotape use and equipment availability, many titles formerly available only on film now are offered in videotape formats. Videotape rentals are provided at no charge to the user for all scheduled classes. Rental requests should be received by Instructional Technology Services at least six weeks prior to presentation date to assure availability.

Library Services

The David L. Rice Library supports and extends the academic programs of the University by providing research and instructional materials as well as recreational and general interest materials. During fall and spring semesters the library is open 104 hours a week, including evening and weekend hours. When the library building is closed, the online catalog, and hundreds of web pages - selected and organized to assist in finding high-quality information on a variety of topics - remain available through the library's web site, www.usi.edu/library/. Remote web access to electronic books and databases is available for currently-enrolled students and currently-employed faculty and staff members. The web site is the most up-to-date source for library hours, special notices, services, and staff contact numbers.

The building has four floors, with substantial student study space with comfortable seating in a variety of configurations; three reading rooms; 30 group study rooms; and two computer labs for instruction and student use. Additionally, the building provides classrooms on the lower level and casual seating in the coffee shop area. Wireless access is available throughout the building; in addition to computer workstations, students may check out laptops and tablets.

The library's collection of over 375,000 volumes is available in open stacks, providing easy access to most resources. Approximately 4,000 books are added each year, along with electronic resources, audio-visual materials, and other formats. Reference librarians provide assistance in identifying, locating, and evaluating resources in many formats at the Reference Desk during most open hours. In addition to in-person visits, users may contact the library's Reference staff by telephone, email, chat, or text; contact information is listed on the web site.

The library provides online access to over 35,000 full-text journals and over 100,000 books. Electronic resources are accessible within the library, from other computers on campus, and remotely to authorized users. Microform coverage ranges from recent government reports to 1850s newspapers. Digital microform reader/printers are located on the main level, as are photocopiers and printers. A recreational reading area is located on the entry level near the media collection, which is made up of music CDs, audio books, and DVDs.

University Archives and Special Collections, located on the third floor, preserves materials about the University's history and houses distinctive collections. One such collection is communal societies, with substantial information on historic and contemporary intentional communities. Another major collection includes thousands of photographs documenting Southern Indiana from the late 1800s to present day. Images and documents from this collection and others are being digitized for online discovery and use, viewable at www.usi.edu/library/archives.asp. USI is also a partial federal government depository library. Government documents cover a wide variety of subjects, from career information to the environment and consumer guidance; most of the paper documents are interfiled with the library's other collections. Children's books - used by education majors but available for checkout by anyone - are housed on the first floor.

The library's integrated online system is Ex Libris' Voyager, a system used by hundreds of academic libraries. This system is used for ordering, receiving, cataloging, and checking out materials, as well as for identifying the library's holdings. By connecting to other systems, the library is able to use shared cataloging records from OCLC WorldCat, an international bibliographic utility with nearly 2 billion records. The library provides interlibrary loan service, and borrows items from libraries

all over the world. Special software is used to enhance and expedite the interlibrary loan process, including speedy desktop delivery of journal articles and book chapters. Eligible USI students, faculty, and staff members may submit online requests via the library's web site.

Students, faculty, staff members, and community users may check out library materials. The library user may search the online catalog by author, title, keyword, or subject, and identify an item's location and availability. If an item is already checked out by someone else, a hold may be placed on that item and the user will be notified when it is returned. Users may renew books online, unless an item is overdue or on hold for someone else. Self-service check-out machines on each floor speed the check-out process for books.

As the variety and complexity of information sources has increased - along with the necessity for evaluating their worth - formal research instruction has become even more essential. Instructors may schedule sessions customized to individual course needs by contacting the Instructional Services librarian. Instruction is usually provided in one of the library's computer labs so that hands-on learning is possible. Library staff members are available at the Reference and Checkout counters to provide assistance to library users.

News and Information Services

News and Information Services is a department within University Relations and is part of the Marketing and Communications unit. News and Information Services includes Photography Services and Sports Information. The goal of News and Information is to reinforce the overall brand of the University and to create an avenue for communication between USI and its various constituents, both internal and external.

News and Information reaches out to University offices to help with editorial development including content for publications, the USI website, marketing, recruitment, video production, and social media. News and Information publishes *USI Today*, the online employee newsletter; *USI Magazine*, the official magazine of the University, *Synapse Magazine* for the College of Nursing and Health Professions; and newsletters for the other colleges within the University.

The News and Information website www.usi.edu/news includes links to news, press release archives, faculty and staff achievements, the headshot database, university publications, photography services, *USI Today*, the Editor's Manual, USI calendar, campus map and emergency procedure.

Media Relations

News and Information Services employs a media relations specialist who develops relationships with local, regional and national media. News and Information provides copy and photographs for news releases, media pitches, and media events both on and off campus. The office handles all media requests and coordinates media visits to campus as well as providing sources for media stories. News and Information is also responsible for maintaining the University's official social media channels.

Photography

Photojournalists take photographs and keep photo records of all facets of the University's academic and campus events, including athletics. Photographs are used for a variety of purposes including University publications, website, marketing pieces, media requests, and archives. Photography Services also provides studio services, maintains a headshot database, and provides photographs to the public through the use of social media and online galleries.

Sports Information

Sports Information works with USI Athletics to handle all aspects of communication, both internal and external, for the University's 15 NCAA Division II sports.

For more information, contact John Farless, director of News and Information Services at jafarless@usi.edu or 812/228-5157.

Publishing Services Department

Publishing Services functions as a full-service in-house agency, coordinating the development and production of all University publications. Magazines, brochures, posters, banners, signs, forms, booklets, stationery, business cards, and invitations are examples of items produced by Publishing Services for the University community. All publications, whether produced in house or outsourced by the Publishing Services office, must be reviewed and approved by the director for quality, content, University standards, logo/word mark usage, and postal regulations. Any off-campus printing or copying must have prior authorization from the director of Publishing Services. Projects are initiated using the Publishing Services Requisition form in Outlook.

For assistance with publication planning, design, and printing, contact the Publishing Services office at 812/464-1954 or by email. Located in the Publishing Services Center on Clarke Lane near Reflection Lake, office hours are from 8 a.m. to 4:30 p.m., Monday through Friday.

Turnaround Time – Turnaround time for a printing project should be discussed with the director or assistant director in the earliest part of the planning stage. Allowing realistic production time prevents delays in final product delivery. Four to eight weeks will cover most printing projects; however, each project is unique and schedules will vary based on specific requirements. Publishing Services will make every effort to accommodate emergency situations.

Graphic Design – Publications are designed by a professionally trained in-house staff using current state-of-the-art technology and design software. Pieces are produced with purpose, quality, and economy in mind. Projects are designed to meet USI graphic and editorial standards and benefit from thorough proofreading. Adherence to strict postal requirements is designed into mail pieces. Paper, ink color, publication size, and other details are established prior to proceeding with design and/or printing.

Printing and Bindery – Publishing Services' in-plant reprographic facility offers a full range of services. A complete digital workflow is used for prepress print production work. The press area features one-color to four-color offset printing capability. A variety of bindery equipment, such as a guillotine-style cutter, folder, booklet maker, power stapler, drill, and more, complete the production process.

Large Format – High-quality large-format printing capability permits on-campus production of large-format posters, banners, displays, and yard/boulevard signs. The printer is capable of outputting up to 44" in width on a continuous roll. Various materials are available. Foam core mounting, laminating, and sign mounting are available. Projects may be designed by the department's Graphic Design staff or the customer may send a file ready to print.

Environmental Graphics – Publishing Services provides job management, design, and vendor resources for specialty graphics targeted to outdoor audiences. Projects such as construction zone wraps, vehicle graphics, specialty displays, ball field graphics, pole banners, oversize banners, and many other types of outdoor marketing have become desirable in recent years. This office is the on-campus resource for projects of this type.

Copy Services – Publishing Services provides a centralized, staffed Copy Services Center. Large volume (more than 10 copies of each original), specialty photocopying, high-quality color copying, large format projects, and a full range of bindery services are offered through the Copy Services Center located in the Publishing Services Center. University offices can access Copy Services' high-speed copier as a network printer device from each workstation, improving turnaround time and quality, as well as providing a 20 percent cost-per-copy savings. Instructions for network access can be obtained from Copy Services.

Copy projects are initiated using the Copy Services Request form in Outlook, or paper order (upon request). Walk-up service is available. Hours are 8 a.m. to 4:30 p.m., Monday through Friday. The Copy Center is closed during winter break.

Copier Fleet Program - USI's copier fleet is a centralized program that is managed by Publishing. All toner, paper, service, and the capital investment expenses are centralized in Publishing Services. Departments pay only for per-click usage. Copiers also are scanners and cost-efficient printers, limiting the need for individual printers. Some are designed to provide fax functions.

Fleet copiers, both standard and color, are conveniently located throughout campus for faculty and staff and are activated by assigned codes. These copiers are networked, allowing approved department users to also access them from their desktops, benefiting from digital quality, convenience, and confidentiality. Designated student copiers are activated by coin or Eagle Access cards. Photocopier acquisition and maintenance contracts are managed by Publishing Services.

Variable Data Printing – The high-volume, high-speed copier in Copy Services features variable data printing capability to assist departments in producing custom letters or other forms of personalized communication from a digital database. At 120

copies per minute, and the utilization of Copy Services' staff, this resource is preferable to desktop printers for this work. Variable data projects should be requisitioned using the Publishing Services Requisition form in Outlook. Early notice to Copy Services' staff is recommended for scheduling.

Questions about photocopying and variable data printing should be directed to the Copy Services supervisor at extension 1889.

University Logo Usage - In addition to designing and producing high-quality print pieces, Publishing Services works with the assistant vice president for Marketing and Communications in logo and brand management for the University. Employees and off-campus vendors should review and abide by the usage guidelines available at www.usi.edu/brand. Off-campus vendors are required to obtain sanctioned logos through the licensing program administered by a professional licensing firm. Information regarding this process can be found on the website. A selection of USI logos is available for University departmental usage. Permission from Publishing Services' director is encouraged to be certain logo usage is permissible and high-quality versions are accessible.

General guidelines, stock and custom products, and other useful information can be found at www.usi.edu/publishing.

Office of Public Safety (Security and Parking)

Security

The public safety officers are responsible for traffic control, preliminary emergency medical care, initial response to other emergencies on campus, security of physical assets and the safety of the University's employees, students, and guests. They provide their services to the campus and student residences 24 hours a day, seven days a week, through the deployment of vehicle, foot and bicycle patrols.

The University of Southern Indiana strives to create and maintain a safe and secure environment on all properties the University owns, leases or manages for official activities. In order to be successful in providing the highest degree of safety and security on the campus and in the residences, it is important for the campus community to follow good safety and security practices. Students and employees are encouraged to know as much as possible about the frequency and type of security breaches which occur on University property. To that end, the University Office of Public Safety records and annually publishes statistics on crime and security matters, and the University provides timely warnings of crimes or incidents, which may be considered a threat to the University community. A copy of the annual statistical report can be requested from the Office of Public Safety.

Further, the Office of Public Safety takes a leadership role in campus safety by providing and encouraging the campus community to utilize its services which includes educational programs on campus safety, preventative patrols, crime prevention, and free security escort services. The campus community is encouraged to report any suspicious/criminal behavior or threat. This type of activity can be reported either in person, telephone, through silent-witness email, or by using the emergency telephones. The emergency telephones, which are located throughout campus and the residences, ring directly to the Public Safety Building.

Parking

Non-restricted parking in USI's campus lots is available to commuters and visitors on a first-come, first-served basis. Campus lots have few restrictions, and those areas with restrictions are marked with appropriate signage.

O'Daniel South, O'Daniel North, McDonald West, and McDonald East campus apartments and Newman, Governors, O'Bannon, and Ruston residence halls have restricted parking. Parking spaces in campus apartments are reserved for residents of each neighborhood (O'Daniel, McDonald, and residence halls). Apartment residents are not permitted to park in campus lots between 6 a.m. and 3 p.m. on class days. Visitors to campus apartments must park in visitor areas only. Students living in residence halls are restricted to parking lots M & O, the last two rows of parking lot D, and the last full row of parking lot E. All restricted parking areas are marked with appropriate signage.

Important Telephone Numbers

Security	812/464-1845
University Emergency Telephone	812/492-7777
Parking	812/465-1091

Office of Special Events and Scheduling Services

The Office of Special Events includes units responsible for Special Events, Conference and Meeting Planning, Scheduling Services and facility management for the University Center (UC).

Special Events produces major events on campus that are fundamental to the image of the University. These events emphasize University growth, recognition, and appreciation of the accomplishments of students, prospective students, faculty, and employees. Special Events is responsible for implementing functions hosted by the University president; events recognizing special friends, donors of the University, and governmental representatives; student academic honors convocations; USI Foundation meetings; and Board of Trustees meetings. Special Events plans fall and spring Commencement exercises, facility ground-breakings and ribbon cutting ceremonies, and employee recognition programs. Special Events markets USI as a summer conference site to student and professional organizations seeking meeting, recreational, sleeping, and dining facilities for multi-day conferences.

Conference and Meeting Planning develops and serves hundreds of programs in the University Center and on campus that emphasize student development, education, social and economic growth, and civil and cultural awareness for traditional college-age students, summer conference programs, and off-campus events sponsored by community groups. Additionally, Conference and Meeting Planning supports outreach programs of short duration presented by the University for non-credit college students in Southwestern Indiana. The objective of this group is to provide quality planning assistance plus room set-up accommodations, audio-visual equipment, and a high level of on-site support to these events.

Scheduling Services interfaces with student, faculty, administrative staff, and off-campus group meeting/event sponsors to reserve space on campus for their events. Scheduling specialists reserve the most appropriate space for each event based on location, anticipated attendance, and time of year and day. This group establishes reservations for and maintains the University's master calendar of events to ensure continuity of traditional annual events on campus. This group also maintains an electronic software program to record all events and activities scheduled in campus buildings and on the grounds.

The majority of events are held in the University Center (UC). The UC plays a vital role in serving the on-campus meetings, activities and dining needs of students, faculty, staff, alumni, community and residents from the Tri-state area. In the management capacity of the University Center, the department's goal is to consistently maintain the integrity and quality of the facility and furnishings to provide a convenient and pleasant environment for all activities.

The Office of Special Events and Scheduling Services maintains a calendar of major events scheduled in the Evansville community. When contemplating an event, sponsors may call this office to avoid scheduling conflicts.

For additional information, call the Office of Special Events at 812/464-1930.

Veteran Support Services

Veteran Support Services assists students with applying for and utilizing Department of Veterans Affairs education benefits. Assistance is available to all prospective and enrolled USI students who are veterans, servicepersons, dependents, survivors of veterans, and other eligible persons to keep them informed of available veterans' programs, from education, personal counseling on a variety of topics, to job placement organizations. There are several assistance programs with basic eligibility criteria that vary from one to another.

This is the certifying office for the enrollment of persons training under the veterans' programs. All veterans, servicepersons, dependents, and survivors of veterans, and anyone else who may be eligible for veterans' assistance should contact this office.

Students receiving Veterans Affairs education benefits must make contact with this office each semester to begin or continue their certification of enrollment process to the Veterans Affairs Regional Office.

Staff provide outreach, counseling, and academic assistance referral for veterans and servicepersons throughout the academic year.

This office also evaluates, as per the American Council on Education's recommendations, military experience for University credit. Those wishing to have their military experiences evaluated for possible University credit should contact Veteran Support Services at 812/464-1857 for required documentation and requirements.

Veterans' Support Services is located in the lower level of the Education Center and provides assistance to all prospective and enrolled students who are veterans, service persons, dependents, survivors of veterans, and other eligible persons. Students applying for benefits may obtain the necessary application forms and program information from this office. A student receiving veteran benefits must have attendance certified with the Veterans Administration for each term of enrollment.

Core 39

Core 39 Purpose

Core 39 provides the foundation for all Bachelor degrees at the University of Southern Indiana. The Core 39 and each student's major are designed to complement each other. The major provides knowledge that distinguishes us from one another in our diverse walks of life; the USI Core 39 provides knowledge and abilities that all educated people share. The two together help the University accomplish its primary mission of preparing our students to live wisely.

USI faculty have developed Core 39 to help students speak and write well, better understand the world and its cultures, think more clearly, and live according to consistent ideals. The program is based on the premise that students must know themselves and their world before they can become responsible leaders. Through Core 39, USI builds in all students the desire and ability to achieve personal growth and contribute meaningfully to society.

NOTES:

- Students completing a change of major or change of status will be required to satisfy the program requirements in effect at the time of the change, including Core 39. Students who discontinue enrollment for more than one calendar year must re-enroll under the program requirements in effect at the time of the readmission, including Core 39.
- Core 39 is satisfied for students entering USI with a bachelor's degree.

Foundations

Minimum of 14 credit hours

Composition I

- ENG 101 - Rhetoric and Composition I: Literacy and the Self **Credits: 3**

Composition II

- ENG 201 - Rhetoric and Composition II: Literacy and the World **Credits: 3**

Communication

Select one course

- CMST 101 - Introduction to Public Speaking **Credits: 3**
- CMST 107 - Introduction to Interpersonal Communication **Credits: 3**

Mathematics & Quantitative Reasoning

Select one course

- MATH 107 - Fundamentals of Mathematics for Nursing **Credits: 4**
- MATH 111 - College Algebra **Credits: 4**
- MATH 114 - Quantitative Reasoning **Credits: 3**
- MATH 215 - Survey of Calculus **Credits: 3**
- MATH 230 - Calculus I **Credits: 4**

Physical Activity & Wellness

Select one course

- KIN 192 - Concepts in Wellness and Fitness **Credits: 1**
- KIN 281 - Personal Health Science **Credits: 3**

First Year Experience

- All first-time, degree seeking students must enroll in a course satisfying the First Year Experience during their first semester at USI. This applies to both full-time and part-time students. This does not include CAP or AP credit.
- The First Year Experience requirement may be satisfied by participating in transfer orientation.
- UNIV 101 - First Year Experience **Credits: 1**

Bachelor's Degree Requirements

Bachelor of Arts (13 hours)

World Languages (9 hours); an additional 3 hours may come from Ways of Knowing-World Languages and Culture or the Embedded Experiences.

- Natural Science with Lab (4 hours)
- No more than 9 hours of courses with the same prefix can satisfy the BA requirement
- Natural Science must be a lab course.
- If Natural Science 108 is selected, then two Natural Science 108 courses must be taken to satisfy the lab requirement. These courses are typically taken by education majors.

Students earning a BA degree must successfully complete a four-course sequence in the same language through Language 204 or higher.

Natural Science with Lab

- ASTR 201 - General Astronomy **Credits: 4**
- BIOL 105 - Biology of Human Concern **Credits: 4**
- BIOL 108 - Biology for Educators **Credits: 2**
- BIOL 112 - Ethnobotany with Lab **Credits: 4**
- BIOL 121 - Human Anatomy and Physiology I **Credits: 4**
- BIOL 122 - Human Anatomy and Physiology II **Credits: 4**
- BIOL 133 - Biological Concepts **Credits: 4**
- BIOL 141 - Principles of Biology **Credits: 4**
- CHEM 107 - Elements in Everyday Chemistry **Credits: 4**
- CHEM 108 - Chemistry for Educators **Credits: 2**
- CHEM 141 - Principles of Chemistry **Credits: 4**
- CHEM 261 - General Chemistry I **Credits: 4**
- CHEM 262 - General Chemistry II **Credits: 4**
- GEOL 108 - Earth-Space Science for Educators **Credits: 2**
- GEOL 151 - Geology of America's National Parks **Credits: 4**
- GEOL 161 - Introduction to Geology **Credits: 4**
- PHYS 108 - Physics for Educators **Credits: 2**
- PHYS 175 - General Physics I **Credits: 4** and PHYS 175L **Credits: 0**
- PHYS 176 - General Physics II **Credits: 4** and PHYS 176L **Credits: 0**
- PHYS 205 - Intermediate Physics I **Credits: 5** and PHYS 205L **Credits: 0**
- PHYS 206 - Intermediate Physics II **Credits: 5** and PHYS 206L **Credits: 0**

World Languages

- ARAB 101 - Beginning Arabic I **Credits: 3**
- ARAB 102 - Beginning Arabic II **Credits: 3**
- ARAB 203 - Intermediate Arabic I **Credits: 3**
- ARAB 204 - Intermediate Arabic II **Credits: 3**
- CHIN 101 - Beginning Chinese I **Credits: 3**
- CHIN 102 - Beginning Chinese II **Credits: 3**
- CHIN 203 - Intermediate Chinese I **Credits: 3**
- CHIN 204 - Intermediate Chinese II **Credits: 3**
- FREN 101 - Beginning French I **Credits: 3**
- FREN 102 - Beginning French II **Credits: 3**
- FREN 203 - Intermediate French I **Credits: 3**
- FREN 204 - Intermediate French II **Credits: 3**
- GERM 101 - Beginning German I **Credits: 3**
- GERM 102 - Beginning German II **Credits: 3**
- GERM 203 - Intermediate German I **Credits: 3**
- GERM 204 - Intermediate German II **Credits: 3**
- JPN 101 - Beginning Japanese I **Credits: 3**
- JPN 102 - Beginning Japanese II **Credits: 3**
- JPN 203 - Intermediate Japanese I **Credits: 3**
- JPN 204 - Intermediate Japanese II **Credits: 3**
- LATN 101 - Beginning Latin I **Credits: 3**
- LATN 102 - Beginning Latin II **Credits: 3**

- LATN 203 - Intermediate Latin I **Credits: 3**
- LATN 204 - Intermediate Latin II **Credits: 3**
- SPAN 101 - Beginning Spanish I **Credits: 3**
- SPAN 102 - Beginning Spanish II **Credits: 3**
- SPAN 203 - Intermediate Spanish I **Credits: 3**
- SPAN 204 - Intermediate Spanish II **Credits: 3**

Bachelor of Science

- Natural Science including 1 lab (7 hours)
 - Social Science (3 hours)
 - World Languages and Culture (3 hours)
-
- No more than 9 hours of courses with the same prefix can satisfy the BS requirement.
 - If Natural Science 108 is selected, then two Natural Science 108 courses must be taken to satisfy the lab requirement. These courses are typically taken by education majors.

World Language and Culture

- ANTH 111 - Introduction to World Cultures **Credits: 3**
- ARTH 335 - Asian Art **Credits: 3**
- ARAB 101 - Beginning Arabic I **Credits: 3**
- ARAB 102 - Beginning Arabic II **Credits: 3**
- ARAB 203 - Intermediate Arabic I **Credits: 3**
- ARAB 204 - Intermediate Arabic II **Credits: 3**
- CHIN 101 - Beginning Chinese I **Credits: 3**
- CHIN 102 - Beginning Chinese II **Credits: 3**
- CHIN 203 - Intermediate Chinese I **Credits: 3**
- CHIN 204 - Intermediate Chinese II **Credits: 3**
- FREN 101 - Beginning French I **Credits: 3**
- FREN 102 - Beginning French II **Credits: 3**
- FREN 203 - Intermediate French I **Credits: 3**
- FREN 204 - Intermediate French II **Credits: 3**
- GERM 101 - Beginning German I **Credits: 3**
- GERM 102 - Beginning German II **Credits: 3**
- GERM 203 - Intermediate German I **Credits: 3**
- GERM 204 - Intermediate German II **Credits: 3**
- JPN 101 - Beginning Japanese I **Credits: 3**
- JPN 102 - Beginning Japanese II **Credits: 3**
- JPN 203 - Intermediate Japanese I **Credits: 3**
- JPN 204 - Intermediate Japanese II **Credits: 3**
- LATN 101 - Beginning Latin I **Credits: 3**
- LATN 102 - Beginning Latin II **Credits: 3**
- LATN 203 - Intermediate Latin I **Credits: 3**
- LATN 204 - Intermediate Latin II **Credits: 3**
- SPAN 101 - Beginning Spanish I **Credits: 3**

- SPAN 102 - Beginning Spanish II **Credits: 3**
- SPAN 203 - Intermediate Spanish I **Credits: 3**
- SPAN 204 - Intermediate Spanish II **Credits: 3**
- GEOG 330 - World Geography **Credits: 3**
- HUM 211 - World Humanities I **Credits: 3**
- HUM 212 - World Humanities II **Credits: 3**
- HUM 241 - The Humanistic Tradition in Literature I **Credits: 3**
- HUM 242 - The Humanistic Tradition in Literature II **Credits: 3**
- WLC 155 - Cultural Awareness **Credits: 3**

Natural Science with Lab

- ASTR 201 - General Astronomy **Credits: 4**
- BIOL 105 - Biology of Human Concern **Credits: 4**
- BIOL 108 - Biology for Educators **Credits: 2**
- BIOL 112 - Ethnobotany with Lab **Credits: 4**
- BIOL 121 - Human Anatomy and Physiology I **Credits: 4**
- BIOL 122 - Human Anatomy and Physiology II **Credits: 4**
- BIOL 133 - Biological Concepts **Credits: 4**
- BIOL 141 - Principles of Biology **Credits: 4**
- CHEM 107 - Elements in Everyday Chemistry **Credits: 4**
- CHEM 108 - Chemistry for Educators **Credits: 2**
- CHEM 141 - Principles of Chemistry **Credits: 4**
- CHEM 261 - General Chemistry I **Credits: 4**
- CHEM 262 - General Chemistry II **Credits: 4**
- GEOL 108 - Earth-Space Science for Educators **Credits: 2**
- GEOL 151 - Geology of America's National Parks **Credits: 4**
- GEOL 161 - Introduction to Geology **Credits: 4**
- PHYS 108 - Physics for Educators **Credits: 2**
- PHYS 175 - General Physics I **Credits: 4** and PHYS 175L **Credits: 0**
- PHYS 176 - General Physics II **Credits: 4** and PHYS 176L **Credits: 0**
- PHYS 205 - Intermediate Physics I **Credits: 5** and PHYS 205L **Credits: 0**
- PHYS 206 - Intermediate Physics II **Credits: 5** and PHYS 206L **Credits: 0**

Natural Science

- ANTH 131 - Introduction to Physical Anthropology **Credits: 3**
- ANTH 211 - Introduction to Forensic Anthropology **Credits: 3**
- BIOL 251 - Environmental Conservation **Credits: 3**
- BIOL 282 - Heredity and Society **Credits: 3**
- CHEM 103 - Molecules, Matter, and Me **Credits: 3**
- GEOG 112 - Earth System Science **Credits: 3**
- GEOG 123 - Physical Geography and Landscape Analysis of the United States **Credits: 3**
- GEOL 121 - The Geology of Gemstones **Credits: 3**
- GEOL 132 - Volcanoes and Eruptions **Credits: 3**
- PHYS 101 - Introduction to the Physical Sciences **Credits: 3**
- PHYS 361 - Modern Physics **Credits: 3**
- PHYS 371 - Analytical Mechanics **Credits: 3**

Social Science

- ANTH 121 - Introduction to Archaeology **Credits: 3**
- ANTH 235 - American Life **Credits: 3**
- ECON 175 - Fundamentals of Economics **Credits: 3**
- ECON 208 - Principles of Microeconomics **Credits: 3**
- ECON 209 - Principles of Macroeconomics **Credits: 3**
- POLS 102 - Introduction to American Politics **Credits: 3**
- POLS 271 - International Politics **Credits: 3**
- POLS 281 - Comparative Politics **Credits: 3**
- PSY 201 - Introduction to Psychology **Credits: 3**
- SOC 121 - Principles of Sociology **Credits: 3**
- SOC 261 - Marriage and Family **Credits: 3**

Civic and Cultural Awareness

- One course required from four of the six Ways of Knowing (WOK) categories.
- No two of the courses selected may have the same prefix.
- If a course is selected from the Scientific and Mathematical Inquiry Ways of Knowing category, the prefix must be different from the prefix of the course selected to satisfy the Bachelor of Arts or the Bachelor of Science requirements.
- If a course is selected from the Ways of Knowing-Social Inquiry category, the prefix must be different from the prefix of the course selected to satisfy the Bachelor of Science requirements.
- Courses satisfying the World Languages and Culture in the Ways of Knowing category may have the same prefix as the World Language/World Language and Culture requirements for the B.A./B.S.
- Students earning a B.A. degree must successfully complete a four-course sequence in the same language through 204 or higher.
- The two natural science courses for the B.S. degree may have the same prefix.
- Students earning a bachelor's degree which is not designated as a B.A. or B.S. (e.g. Bachelor of General Studies) must choose either the B.A. or B.S. track for the purposes of Core 39.

Ways of Knowing

12 credit hours

Select from four categories - See guidelines above

Creative and Aesthetic Expression

- ART 104 - Design in Materials **Credits: 3**
- ART 201 - Introduction to Visual Arts **Credits: 3**
- ENG 105 - Introduction to Literature **Credits: 3**
- ENG 285 - Introduction to Film **Credits: 3**
- ENG 361 - Playwriting **Credits: 3**
- FREN 275 - The French Film **Credits: 3**
- GERM 275 - The German Film **Credits: 3**
- SPAN 275 - The Hispanic Film **Credits: 3**
- THTR 101 - Introduction to Theatre **Credits: 3**
- THTR 251 - Fundamentals of Acting **Credits: 3**

- THTR 361 - Playwriting **Credits: 3**

Historical Inquiry

- ANTH 121 - Introduction to Archaeology **Credits: 3**
- ANTH 221 - Archaeology: Fact and Fiction **Credits: 3**
- ARTH 221 - Art History I **Credits: 3**
- EDUC 173 - History of Schooling in America 1620-Present **Credits: 3**
- HIST 101 - The United States to 1865 **Credits: 3**
- HIST 102 - The United States since 1865 **Credits: 3**
- HIST 111 - World Civilizations I, Beginnings to 1500 **Credits: 3**
- HIST 112 - World Civilizations II, 1500-Present **Credits: 3**
- HIST 130 - Issues in American History **Credits: 3**
- HIST 140 - Issues in World History **Credits: 3**
- PHIL 200 - Introduction to Philosophy **Credits: 3**
- SPTM 223 - Principles of Recreation **Credits: 3**

Moral and Ethical Reasoning

- BGS 301 - The Ethics of Global Engagement **Credits: 3**
- ENG 222 - Concepts of Good and Evil in Literature **Credits: 3**
- HP 356 - Ethics and Healthcare in a Pluralistic Society **Credits: 3**
- PET 402 - Controversial Issues in Health Education **Credits: 3**
- PHIL 201 - Introduction to Ethics **Credits: 3**
- SPTM 336 - Governance and Ethics in Sport **Credits: 3**

Scientific and Mathematical Inquiry

- ANTH 131 - Introduction to Physical Anthropology **Credits: 3**
- ANTH 211 - Introduction to Forensic Anthropology **Credits: 3**
- ASTR 201 - General Astronomy **Credits: 4**
- BIOL 108 - Biology for Educators **Credits: 2**
- BIOL 141 - Principles of Biology **Credits: 4**
- CHEM 108 - Chemistry for Educators **Credits: 2**
- CHEM 141 - Principles of Chemistry **Credits: 4**
- CHEM 262 - General Chemistry II **Credits: 4**
- ENGR 305 - Engineering Statistics **Credits: 3**
- GEOG 112 - Earth System Science **Credits: 3**
- GEOG 123 - Physical Geography and Landscape Analysis of the United States **Credits: 3**
- GEOL 108 - Earth-Space Science for Educators **Credits: 2**
- HP 302 - Biostatistics **Credits: 3**
- IME 331 - Introduction to Statistical Quality Control **Credits: 3**
- MATH 203 - Mathematics for Elementary Teachers II **Credits: 4**
- MATH 241 - Principles of Statistics **Credits: 3**
- MATH 253 - Principles of Mathematical Logic **Credits: 3**
- PHYS 101 - Introduction to the Physical Sciences **Credits: 3**
- PHYS 108 - Physics for Educators **Credits: 2**
- PHYS 361 - Modern Physics **Credits: 3**
- PHYS 371 - Analytical Mechanics **Credits: 3**

Social Inquiry

- ANTH 235 - American Life **Credits: 3**
- ECON 208 - Principles of Microeconomics **Credits: 3**
- EDUC 221 - Diversity and Equity in Education **Credits: 3**
- GNDR 111 - Intro to Gender Studies **Credits: 3**
- POLS 102 - Introduction to American Politics **Credits: 3**
- POLS 271 - International Politics **Credits: 3**
- POLS 281 - Comparative Politics **Credits: 3**
- PSY 201 - Introduction to Psychology **Credits: 3**
- SOC 121 - Principles of Sociology **Credits: 3**
- SOC 261 - Marriage and Family **Credits: 3**
- SPTM 452 - Sport Finance and Economics **Credits: 3**

World Languages and Culture

- ANTH 111 - Introduction to World Cultures **Credits: 3**
- ARTH 335 - Asian Art **Credits: 3**
- ARAB 204 - Intermediate Arabic II **Credits: 3**
- CHIN 204 - Intermediate Chinese II **Credits: 3**
- ENG 286 - Classical Mythology **Credits: 3**
- ENG 386 - World Mythology **Credits: 3**
- FREN 204 - Intermediate French II **Credits: 3**
- FREN 306 - Advanced French I **Credits: 3**
- FREN 308 - Francophone Cultures **Credits: 3**
- GEOG 330 - World Geography **Credits: 3**
- GERM 204 - Intermediate German II **Credits: 3**
- GERM 306 - Advanced German I **Credits: 3**
- GERM 308 - Germanic Cultures **Credits: 3**
- HP 236 - Eastern Medicine and Alternative/Complimentary Healthcare **Credits: 3**
- HUM 211 - World Humanities I **Credits: 3**
- HUM 212 - World Humanities II **Credits: 3**
- HUM 241 - The Humanistic Tradition in Literature I **Credits: 3**
- HUM 242 - The Humanistic Tradition in Literature II **Credits: 3**
- JPN 204 - Intermediate Japanese II **Credits: 3**
- JPN 306 - Advanced Japanese I **Credits: 3**
- LATN 204 - Intermediate Latin II **Credits: 3**
- SPAN 204 - Intermediate Spanish II **Credits: 3**
- SPAN 306 - Advanced Spanish I **Credits: 3**
- SPAN 308 - Hispanic Cultures **Credits: 3**

Embedded Experience

- Embedded experiences may be courses found in other areas of Core 39, a major specific course, or an elective course.
- Foundational courses are strongly encouraged to be completed before the embedded experiences.
- There are two writing intensive experiences. One has to be a 200+ level and one has to be at 300+ level.
- ENG 201 is a prerequisite for all embedded writing intensive courses.

- Students may minimize the need for additional credit hours by selecting courses in the Ways of Knowing category or courses in their program of study that contain an embedded experience.

Diversity

Select one course

- ANTH 111 - Introduction to World Cultures **Credits: 3**
- ARAB 101 - Beginning Arabic I **Credits: 3**
- ARAB 102 - Beginning Arabic II **Credits: 3**
- ARAB 203 - Intermediate Arabic I **Credits: 3**
- ARAB 204 - Intermediate Arabic II **Credits: 3**
- CHIN 101 - Beginning Chinese I **Credits: 3**
- CHIN 102 - Beginning Chinese II **Credits: 3**
- CHIN 203 - Intermediate Chinese I **Credits: 3**
- CHIN 204 - Intermediate Chinese II **Credits: 3**
- CMST 308 - Rhetoric and Diversity **Credits: 3**
- CMST 317 - Intercultural Communication **Credits: 3**
- DTHY 351 - Dental Hygiene Theory II **Credits: 4**
- EDUC 221 - Diversity and Equity in Education **Credits: 3**
- ENG 231 - African American Literature **Credits: 3**
- ENG 288 - Introduction to Women in Literature **Credits: 3**
- ENG 330 - Ethnic Literature in America **Credits: 3**
- FREN 101 - Beginning French I **Credits: 3**
- FREN 102 - Beginning French II **Credits: 3**
- FREN 203 - Intermediate French I **Credits: 3**
- FREN 204 - Intermediate French II **Credits: 3**
- FREN 306 - Advanced French I **Credits: 3**
- GERM 101 - Beginning German I **Credits: 3**
- GERM 102 - Beginning German II **Credits: 3**
- GERM 203 - Intermediate German I **Credits: 3**
- GERM 204 - Intermediate German II **Credits: 3**
- GERM 306 - Advanced German I **Credits: 3**
- GNDR 111 - Intro to Gender Studies **Credits: 3**
- HP 356 - Ethics and Healthcare in a Pluralistic Society **Credits: 3**
- JPN 101 - Beginning Japanese I **Credits: 3**
- JPN 102 - Beginning Japanese II **Credits: 3**
- JPN 203 - Intermediate Japanese I **Credits: 3**
- JPN 204 - Intermediate Japanese II **Credits: 3**
- JPN 306 - Advanced Japanese I **Credits: 3**
- LATN 101 - Beginning Latin I **Credits: 3**
- LATN 102 - Beginning Latin II **Credits: 3**
- LATN 203 - Intermediate Latin I **Credits: 3**
- LATN 204 - Intermediate Latin II **Credits: 3**
- NURS 246 - Introduction to Professional Nursing **Credits: 5**
- PHIL 200 - Introduction to Philosophy **Credits: 3**
- PHIL 201 - Introduction to Ethics **Credits: 3**
- SOC 121 - Principles of Sociology **Credits: 3**

- SOC 261 - Marriage and Family **Credits: 3**
- SPAN 101 - Beginning Spanish I **Credits: 3**
- SPAN 102 - Beginning Spanish II **Credits: 3**
- SPAN 203 - Intermediate Spanish I **Credits: 3**
- SPAN 204 - Intermediate Spanish II **Credits: 3**
- SPAN 306 - Advanced Spanish I **Credits: 3**
- SPTM 453 - Diversity in Sport **Credits: 3**
- THTR 101 - Introduction to Theatre **Credits: 3**
- THTR 251 - Fundamentals of Acting **Credits: 3**
- WLC 155 - Cultural Awareness **Credits: 3**

Global

Select one course

- ANTH 326 - Peoples of Africa **Credits: 3**
- BGS 301 - The Ethics of Global Engagement **Credits: 3**
- BIOL 251 - Environmental Conservation **Credits: 3**
- EDUC 381 - Literacy, Language, and Culture **Credits: 3**
- ENG 371 - Non-Western World Literature **Credits: 3**
- ENG 372 - Western World Literature **Credits: 3**
- FREN 275 - The French Film **Credits: 3**
- FREN 308 - Francophone Cultures **Credits: 3**
- GEOG 330 - World Geography **Credits: 3**
- GERM 275 - The German Film **Credits: 3**
- GERM 308 - Germanic Cultures **Credits: 3**
- IPH 401 - Interprofessional Perspectives on Global Health **Credits: 3**
- KIN 492 - Contemporary Issues in Sport and Exercise **Credits: 3**
- POLS 271 - International Politics **Credits: 3**
- POLS 281 - Comparative Politics **Credits: 3**
- SPAN 275 - The Hispanic Film **Credits: 3**
- SPAN 308 - Hispanic Cultures **Credits: 3**
- SPTM 492 - Contemporary Issues in Sport and Exercise **Credits: 3**

Writing

Select two courses: One course must be 200 level or higher; one must be 300 level or higher.

- ADV 347 - Advertising Copywriting **Credits: 3**
- ANTH 235 - American Life **Credits: 3**
- ARTH 335 - Asian Art **Credits: 3**
- BCOM 231 - Business Communication **Credits: 3**
- BGS 301 - The Ethics of Global Engagement **Credits: 3**
- BGS 498 - Personal and Professional Development **Credits: 3**
- CRIM 475 - Criminal Justice Studies Capstone **Credits: 3**
- DMS 333 - Critique, Clinical Correlation, & Case Analysis **Credits: 3**
- DTHY 351 - Dental Hygiene Theory II **Credits: 4**
- EDUC 221 - Diversity and Equity in Education **Credits: 3**
- EDUC 458 - Seminar in Professional Education **Credits: 3**

- ENG 210 - Technical Writing **Credits: 3**
- ENG 301 - Advanced Composition **Credits: 3**
- ENG 316 - Critical and Investigative Writing **Credits: 3**
- ENG 319 - Fundamentals of Grant Writing **Credits: 3**
- ENGR 291 - Experimental Design and Technical Writing **Credits: 2**
- ENGR 491 - Senior Design **Credits: 3**
- GERO 317 - Health Care Continuum and Community Services **Credits: 3**
- HP 498 - Current Concepts in the Health Professions **Credits: 3**
- HUM 241 - The Humanistic Tradition in Literature I **Credits: 3**
- HUM 242 - The Humanistic Tradition in Literature II **Credits: 3**
- NURS 246 - Introduction to Professional Nursing **Credits: 5**
- NURS 353 - Nursing Research and Evidence Based Practice **Credits: 3**
- NURS 367 - Application of Evidence Based Practice **Credits: 3**
- NURS 451 - Transition to Advanced Nursing Practice **Credits: 3**
- NUTR 496 - Leadership and Professional Issues in Food and Nutrition **Credits: 3**
- PET 395 - Curriculum Construction in Physical Education **Credits: 3**
- PET 402 - Controversial Issues in Health Education **Credits: 3**
- POLS 232 - Research Design and Data Collection **Credits: 3**
- POLS 309 - American Political Theory **Credits: 3**
- POLS 445 - Ancient Political Theory **Credits: 3**
- POLS 446 - Modern Political Theory **Credits: 3**
- PRL 362 - Writing for Public Relations **Credits: 3**
- RADT 424 - Radiologic and Imaging Sciences Practice and Management **Credits: 3**
- RTV 354 - Writing for Electronic Media **Credits: 3**
- SOC 463 - Wealth and Poverty **Credits: 3**
- SOCW 341 - Social Welfare Policy-Program and Service Delivery Analysis **Credits: 3**
- SPTM 223 - Principles of Recreation **Credits: 3**
- TECH 471 - Senior Project **Credits: 3**

Romain College of Business

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Mohammed Khayum, Ph.D., Dean

Brian McGuire, Ph.D., C.P.A., C.M.A., C.B.M., C.I.T.P., Associate Dean

Tim Schibik, Ph.D., Assistant Dean

Ernest Hall, Ph.D., MBA Director

Abbas Foroughi, Ph.D., Chair, Department of Management and Information Sciences

Mark McKnight Ph.D., Chair, Department of Accounting and Finance

Sudesh Mujumdar, Ph.D., Chair, Department of Economics and Marketing

The Romain College of Business offers bachelor degree programs in the following business majors: accounting and professional services, business administration, business education, computer information systems, finance, management, and marketing. The

business education teacher certification program is offered in cooperation with the Department of Teacher Education for students who desire to teach secondary school business subjects. Majors in computer science and economics are not business programs but are administered by the Romain College of Business, which confers these baccalaureate degrees. A concentration in Language and International Trade combines a language major in French Studies, German Studies, or Spanish Studies with the Business Core and an internship in an international business or organization is required.

The Romain College of Business also offers an Associate of Science degree in business and minors in accounting, business administration, computer information systems, computer science, economics, entrepreneurship, finance, human resource management, management, marketing, and web development for enterprise. The business administration minor is restricted to non-business majors. Business and other majors may take minors in computer science or economics. Post-baccalaureate certificates in professional accountancy and computer information systems are offered.

The Romain College of Business undergraduate academic programs are designed to assist students in understanding and developing leadership qualities required by an environment where workforce and market diversity, innovation through technology, ethical behavior, and understanding global issues have become increasingly important. Each program provides the student with the background to participate effectively in business and other organizations which require a high degree of leadership, communication, and decision-making skills. The programs also provide the undergraduate education required for admission to graduate study in professional fields such as business, economics, law, public administration, urban planning, hospital administration, and business teacher education.

The undergraduate business programs offered by the Romain College of Business include four interrelated phases of course work:

- Core 39 requirements designed to provide learning which should be the common experience of all educated men and women and which builds communication and critical thinking skills necessary for success;
- Business Core requirements to provide an understanding of all business disciplines in the context of the society in which businesses operate;
- Business major requirements which provide for a degree of specialization in the student's area of interest; and
- Elective courses chosen from either business or other academic areas to broaden the student's perspective and educational background. Business and economics courses are open to all students in the University who have the required prerequisites. However, students who are not business majors are limited to no more than 30 hours of business courses, excluding economics.

The economics major establishes a core of knowledge in intermediate economic theory and statistics. The student then may specialize by selecting course work in such areas as environmental and resource economics, money and banking, international trade and finance, labor economics, public economics, the economics of sports, or games and strategic behavior.

The computer science program will prepare graduates for computer software development, software engineering, software development management, system development, and computer entrepreneurial positions in businesses and scientific organizations. It also will prepare students for graduate study in computer science. Graduates of the program will develop an understanding of algorithms, data structures, artificial intelligence, computer organization and architecture, numerical computation, operating systems, networking, programming language theory, and software engineering. Since the program is offered by the Romain College of Business, unique opportunities for business management, marketing, accounting, and management information systems electives are offered.

Romain College of Business Advisement and Graduation Requirements

Meeting graduation requirements is each student's responsibility. Each student who is a candidate for a degree must meet the general requirements of the University (see General Requirements for Graduation). In addition, students pursuing a major or minor offered by the Romain College of Business must fulfill the specific program requirements as stated in the following sections.

Upon entry into a business, economics, or computer science major program, each student is assigned to a faculty advisor who approves the student's proposed program of courses each semester. Assigned faculty advisors are changed when a student changes the major program of study. Other advisory changes may be made with consent of the student, the faculty advisor, and the Dean of the Romain College of Business.

The Romain College of Business major and minor program requirements are revised periodically. The revised requirements are published on updated Business Program check sheets available from the Romain College of Business office. Students may choose to meet all of the stated requirements of a later revised program in effect at the date of graduation.

Students who change their major program of study to another major within the college must meet all the requirements of the new major. The Dean of the Romain College of Business must approve petitions for permission for exceptions to any program requirement. After entry into a Romain College of Business major or minor program, courses for transfer of credits may be taken at other institutions or campuses only upon prior approval of the Dean.

Transfer-Credit Policy

Courses in advanced business and economics subjects not open to freshmen and sophomores, which have been taken in other institutions in the freshman and sophomore years, will not be accepted as equivalents of the courses offered at the University unless the student passes the Romain College of Business special examinations in such subjects. Credit from non-collegiate organizations is not acceptable for application to meet business or economics course requirements of the Romain College of Business programs. In some cases, the experience from these programs may provide the basis for applying for a special credit examination.

Business Degree Requirements

All bachelor candidates must successfully complete a minimum total of 120 credit hours. A minimum of 56 hours must be taken in courses offered outside the Romain College of Business; however, ECON 208, ECON 209, and ECON 241 are applied toward meeting this 56-hour minimum requirement. All students majoring in accounting and professional services, business administration, computer information systems, finance, management, marketing, and business education enroll in from 55 to 62 hours of business courses which are divided into three segments:

- 31 credit hours in core requirements taken by all business majors,
- major field requirements totaling 24 to 33 hours, and
- electives, as needed to total 120 hours

Business majors wishing to complete a second major must complete a minimum of 12 additional hours in the second major. A business major wishing to complete a second baccalaureate degree must complete a minimum of 30 semester hours in addition to those required for their first degree and must fulfill all requirements for the second degree. Transfer students must complete at least one-half of business course work required for graduation in residence.

- Business students must achieve a grade point average of at least 2.2 in the first 60 hours of coursework to enroll in upper division business courses.
- Business students must achieve a grade point average of at least 2.0 in all required business coursework to be eligible for graduation.

Core 39 Requirements for Business Majors

All students must complete a minimum of 39 credit hours in Core 39. Romain College of Business majors must complete specific courses in speech, mathematics, social behavior, global communities, and diversity to provide the necessary background in analytical tools and behavioral sciences upon which the advanced study of management is based. The required courses are:

Required Core 39 Courses

Hours

Foundations Composition/Speech

CMST 101 - Introduction to Public Speaking 3

Foundations Mathematics

MATH 215 - Survey of Calculus or 3-4

MATH 230 - Calculus I

BA/BS and Ways of Knowing-Social Inquiry

ECON 208 - Principles of Microeconomics 3

BA/BS and Ways of Knowing-Moral and Ethical Reasoning

PHIL 201 - Introduction to Ethics 3

BS Requirements-Social Science

ECON 209 - Principles of Macroeconomics 3

Embedded Experience-Global

ECON 241 - Global Economic Issues 3

Embedded Experience-Diversity

PHIL 201 - Introduction to Ethics 3

Embedded Experience-Writing

BCOM 231 - Business Communication 3

The following courses should be completed during the freshman and sophomore years:

MATH 111 - College Algebra MATH 111 - College Algebra 4

PSY 201 - Introduction to Psychology (not required for business education majors) 3

These courses also satisfy Core 39 requirements.

Accounting and Finance

Accounting and Professional Services Major, B.A./B.S.

61 hours (31 hours of Business Core + 30 hours of accounting and business coursework)

Career opportunities in accounting include public accounting (certified public accounting firm), industry (industrial and commercial enterprise), not-for-profit organizations, government, and after graduate education, college or university faculties.

Accountants in public practice provide audit, tax, or management advisory services. Success in passing the Certified Public Accountant (CPA) examination is necessary for advancement in public accounting. A variety of services are performed by public accountants including:

- auditing (attesting to the fairness of financial statements),
- computer consulting,
- tax return preparation,
- tax and financial planning, and
- carrying out financial investigations in cases of fraud, insolvency, or disputes.

Accountants in industry make up a substantial portion of the profession. They record, analyze, and report information used by managers to make financial and managerial decisions for businesses such as manufacturers, retailers, service companies, and financial institutions. Governmental and not-for-profit accounting, a growth accounting field, includes positions with federal, state, and local governments, hospitals, universities, and charitable organizations. Government agencies employ a large number of accountants, some of whom audit records of private businesses, not-for-profit organizations, or individuals subject to government regulation. Accountants in industry may also be certified as Certified Management Accountants (CMA).

Accounting graduates often continue their formal education by pursuing advanced technical or professional degrees such as a master's degree in accountancy, a master's degree in business administration, or a law degree. A doctorate in accounting usually leads to a university faculty career.

CPA candidates must earn a minimum of 150 credit hours of college/university course work to sit for the CPA exam in Indiana. Graduates with an undergraduate degree in a non-accounting field may satisfy the CPA exam requirement through the Post-Baccalaureate Certificate in Professional Accountancy (PBCPA) program at USI.

Those who wish to engage in public accounting practice in Indiana as certified public accountants should familiarize themselves with the rules and regulations issued by the Indiana Board of Accountancy (www.in.gov/pla/accountancy.htm). Students planning to practice outside of Indiana should consult the CPA board of the appropriate state.

Romain College of Business Degree Requirements

Students seeking a bachelor's degree with a major from the Romain College of Business must satisfy all business degree requirements and Core 39 requirements listed in the Romain College of Business section of the bulletin.

Business Core for All Business Majors (31 hours)

The following required core courses provide breadth in a college education for business and a foundation for specialization in a major:

- CIS 151 - Computer Applications in Business **Credits: 3 (1) or**
- CIS 261 - Advanced Microcomputer Applications **Credits: 3 (2)**

- ACCT 201 - Accounting Principles I **Credits: 3**
- ACCT 202 - Accounting Principles II **Credits: 3**
- BCOM 231 - Business Communication **Credits: 3**
- BLAW 263 - Legal Environment of Business **Credits: 3**
- ECON 265 - Elementary Statistics **Credits: 3**
- FIN 305 - Business Finance **Credits: 3**
- MNGT 305 - Principles of Management **Credits: 3**

- MKTG 305 - Principles of Marketing **Credits: 3**
- BCOM 401 - Business Career Planning and Professional Development **Credits: 1**
- MNGT 452 - Policy Formulation and Implementation **Credits: 3**

Note(s):

(1) Required of marketing majors

(2) Required of accounting and professional services, business administration, business education, computer information systems, finance, and management majors

Business Major Requirements (21-33 hours)

Specific upper-division course requirements for the various business majors are listed under each program. These upper-level major course requirements should be completed during the junior and senior years.

Accounting and Professional Services Major

Required Courses (18 hours)

- ACCT 303 - Intermediate Accounting I **Credits: 3**
- ACCT 304 - Intermediate Accounting II **Credits: 3**
- ACCT 311 - Introduction to Federal Income Taxation **Credits: 3**
- ACCT 315 - Cost Accounting **Credits: 3**
- ACCT 413 - Accounting Information Systems **Credits: 3**
- ACCT 415 - Auditing Theory and Practice **Credits: 3**

Directed Electives (Choose one 12 hour track)

Financial Accounting Track

- ACCT 401 - Advanced Accounting **Credits: 3**
- ACCT 411 - Advanced Federal Taxation **Credits: 3**
- ACCT 422 - Financial Report and Analysis **Credits: 3**
- BLAW 363 - Law for the Entrepreneur **Credits: 3**

Financial Management Track

- ACCT 401 - Advanced Accounting **Credits: 3**
- FIN 361 - Financial Institutions **Credits: 3 or**
- ECON 361 - Money and Banking **Credits: 3**
- FIN 433 - Principles of Investments **Credits: 3**
- FIN 461 - Financial Management **Credits: 3**

Information Systems Track

- CIS 367 - Data Communications **Credits: 3**

- CIS 375 - Systems Analysis and Design **Credits: 3**
- CIS 377 - Introduction to Database Concepts **Credits: 3**
- CIS 454 - Managing Information Technology **Credits: 3**

Managerial Accounting Track

- FIN 461 - Financial Management **Credits: 3**
- DSCI 445 - Operations Management **Credits: 3**
- ACCT 401 - Advanced Accounting **Credits: 3**
- ACCT 416 - Advanced Cost Accounting **Credits: 3**

Investment Accounting Track

- FIN 433 - Principles of Investments **Credits: 3**
- ACCT 451 - Accounting for Investments I: Equity and Alternative Assets **Credits: 3**
- ACCT 452 - Accounting for Investments II: Debt and Interest Rate Instruments **Credits: 3**
- ACCT 461 - Investment Accounting Operations, Regulations, and Compliance **Credits: 3**

Finance Major, B.A./B.S.

55 hours (31 hours of Business Core + 24 hours of finance and business coursework)

Finance is the study of wealth creation and money management. Topics include fund raising, resource allocation, liquidity concerns, and risk assessment. Finance majors are furnished with a curriculum that provides a solid understanding of financial markets and institutions. They also are schooled in quantitative techniques and decision-making skills. Graduates with a major in finance will be equipped to solve a wide range of financial problems and possess the ability to understand and evaluate financial matters.

The finance major is designed to prepare graduates for careers in a variety of financial fields including banking, consumer finance, insurance, investments, and real estate.

Romain College of Business Degree Requirements

Students seeking a bachelor's degree with a major from the Romain College of Business must satisfy all business degree requirements and Core 39 requirements listed in the Romain College of Business section of the bulletin.

Business Core for All Business Majors (31 hours)

The following required core courses provide breadth in a college education for business and a foundation for specialization in a major:

- CIS 151 - Computer Applications in Business **Credits: 3 (1) or**
- CIS 261 - Advanced Microcomputer Applications **Credits: 3 (2)**

- ACCT 201 - Accounting Principles I **Credits: 3**
- ACCT 202 - Accounting Principles II **Credits: 3**
- BCOM 231 - Business Communication **Credits: 3**
- BLAW 263 - Legal Environment of Business **Credits: 3**
- ECON 265 - Elementary Statistics **Credits: 3**
- FIN 305 - Business Finance **Credits: 3**
- MNGT 305 - Principles of Management **Credits: 3**

- MKTG 305 - Principles of Marketing **Credits: 3**
- BCOM 401 - Business Career Planning and Professional Development **Credits: 1**
- MNGT 452 - Policy Formulation and Implementation **Credits: 3**

Note(s):

(1) Required of marketing majors

(2) Required of accounting and professional services, business administration, business education, computer information systems, finance, and management majors

Business Major Requirements (21-33 hours)

Specific upper-division course requirements for the various business majors are listed under each program. These upper-level major course requirements should be completed during the junior and senior years.

Finance Major

Required Courses (12 hours)

- FIN 343 - International Finance **Credits: 3 or**
- ECON 343 - International Finance **Credits: 3**

- FIN 361 - Financial Institutions **Credits: 3 or**
- ECON 361 - Money and Banking **Credits: 3**

- FIN 433 - Principles of Investments **Credits: 3**
- FIN 461 - Financial Management **Credits: 3**

Directed Electives (12 hours)

Six (6) hours of must be FIN courses, to be selected in consultation with an advisor:

- FIN 335 - Entrepreneurial Finance **Credits: 3**
- FIN 341 - Risk and Insurance **Credits: 3**
- FIN 345 - Real Estate Principles **Credits: 3**
- FIN 481 - Seminar in Finance **Credits: 3**
- MKTG 313 - Services Marketing **Credits: 3**
- MKTG 344 - Personal Selling **Credits: 3**
- ACCT 303 - Intermediate Accounting I **Credits: 3**
- ACCT 311 - Introduction to Federal Income Taxation **Credits: 3**
- ECON 308 - Intermediate Microeconomic Theory **Credits: 3**
- ECON 309 - Intermediate Macroeconomic Theory **Credits: 3**
- ECON 331 - Public Economics **Credits: 3**
- ECON 365 - Intermediate Statistics for Business Decisions **Credits: 3**
- CIS 305 - Management Information Systems **Credits: 3**
- DSCI 351 - Introduction to Operations Research **Credits: 3**

Accounting Minor

Romain College of Business Minors

Academic minor programs may be completed in accounting, business administration (only available for non-business majors), computer information systems, computer science, economics, entrepreneurship, finance, human resource management, management, marketing, and web development for enterprise. Romain College of Business majors who elect to complete minors will typically have to take more than the 120 hours required for a degree in order to complete requirements for a major and a minor. All pre-requisite courses must be completed before enrollment in any upper-level business or economics course; any exceptions must receive prior approval from the dean of the Romain College of Business.

Accounting Minor Required Courses (21 hours)

- ACCT 201 - Accounting Principles I **Credits: 3**
- ACCT 202 - Accounting Principles II **Credits: 3**
- ACCT 303 - Intermediate Accounting I **Credits: 3**
- ACCT 311 - Introduction to Federal Income Taxation **Credits: 3**
- ACCT 315 - Cost Accounting **Credits: 3**
- ACCT 415 - Auditing Theory and Practice **Credits: 3**
- BLAW 263 - Legal Environment of Business **Credits: 3**

Finance Minor

Romain College of Business Minors

Academic minor programs may be completed in accounting, business administration (only available for non-business majors), computer information systems, computer science, economics, entrepreneurship, finance, human resource management, management, marketing, and web development for enterprise. Romain College of Business majors who elect to complete minors will typically have to take more than the 120 hours required for a degree in order to complete requirements for a major and a minor. All pre-requisite courses must be completed before enrollment in any upper-level business or economics course; any exceptions must receive prior approval from the dean of the Romain College of Business.

Finance Minor Required Courses (18 hours)

- FIN 305 - Business Finance **Credits: 3**
- FIN 361 - Financial Institutions **Credits: 3**
- FIN 433 - Principles of Investments **Credits: 3**

Directed Electives

Select three courses (9 hours) from the list of electives; at least three hours must be a Finance course.

- FIN 335 - Entrepreneurial Finance **Credits: 3**
- FIN 341 - Risk and Insurance **Credits: 3**
- FIN 343 - International Finance **Credits: 3**
- FIN 345 - Real Estate Principles **Credits: 3**
- FIN 461 - Financial Management **Credits: 3**
- FIN 481 - Seminar in Finance **Credits: 3**
- ECON 308 - Intermediate Microeconomic Theory **Credits: 3**
- ECON 309 - Intermediate Macroeconomic Theory **Credits: 3**

- ECON 331 - Public Economics **Credits: 3**
- ECON 365 - Intermediate Statistics for Business Decisions **Credits: 3**
- ECON 472 - Econometrics **Credits: 3**
- MKTG 313 - Services Marketing **Credits: 3**
- DSCI 351 - Introduction to Operations Research **Credits: 3**
- ACCT 303 - Intermediate Accounting I **Credits: 3**
- ACCT 311 - Introduction to Federal Income Taxation **Credits: 3**

Professional Accountancy, Post-Baccalaureate Certificate

(48 hours)

This program is designed for individuals who have earned a baccalaureate degree in a discipline other than accounting and who are seeking functional competency in the accounting field. The program is specifically related to the professional accounting area and should not, therefore, be considered as equivalent to the comprehensive business degree programs offered by USI. In combination with a previously earned baccalaureate degree, this program meets the academic eligibility criteria for admission to take the Indiana Certified Public Accounting examination.

The University of Southern Indiana has attained a reputation for excellence in accounting; its accounting graduates have achieved a competitive rate of success in passing the CPA examination. Local and national accounting firms, private industry, and governmental agencies recruit USI accounting graduates. The Certificate in Professional Accountancy program is a logical extension of that area of strength for individuals seeking a career transition into the field of accounting.

Admission Requirements - Candidates must apply to the University and gain regular admission as a special student and be accepted as a candidate for the Certificate Program by the Romain College of Business Accounting Department.

Program Requirements - Certification candidates must fulfill the following specific requirements:

- Forty-eight credit hours in business courses with a minimum of 24 credit hours in accounting courses plus 24 credit hours in business courses other than accounting courses (previously earned courses may be applied; however, at least 24 credit hours must be completed in residence at USI).
- Certificate students must maintain a minimum 3.0 GPA in USI coursework needed for the certificate; a course grade below C is not applicable toward meeting certification requirements.
- Under direction of an assigned program advisor, candidates will complete an individually approved curriculum based on the following outline:

Required Courses (48 hours)

- ACCT 201 - Accounting Principles I **Credits: 3**
- ACCT 202 - Accounting Principles II **Credits: 3**
- ACCT 303 - Intermediate Accounting I **Credits: 3**
- ACCT 304 - Intermediate Accounting II **Credits: 3**
- ACCT 311 - Introduction to Federal Income Taxation **Credits: 3**
- ACCT 315 - Cost Accounting **Credits: 3**
- ACCT 401 - Advanced Accounting **Credits: 3**
- ACCT 415 - Auditing Theory and Practice **Credits: 3**

Business Electives (24 hours)

In consultation with an advisor, select 24 credit hours of business electives, excluding accounting courses. No more than 6 hours of computer information system (CIS) or computer science (CS) courses can be used. No more than 6 hours of business law (BLAW) can be used.

Additional Information

- Upon completion of the preceding program requirements, the candidate should apply for the certificate at the College of Business office.
- Individuals who meet requirements of the State Board of Public Accountancy of Indiana are eligible to sit for the Uniform CPA Examination of Indiana. Those who wish to engage in public accounting should familiarize themselves with the rules and regulations issued by the Indiana Board of Accountancy (www.in.gov/pla/accountancy.htm). Students planning to practice outside of Indiana should consult the CPA board of the appropriate state.

Economics and Marketing

Economics Major, B.A./B.S.

The study of economics prepares students to use the tools of analytical reasoning in the discussion of the basic problems of modern societies. Issues such as business cycles, affluence, poverty, inflation, unemployment, efficiency, equity, and growth, are presented and discussed within the framework of existing institutions of the advanced and underdeveloped worlds. Major and minor programs in economics are designed to prepare students for careers in law, private business, and government and to provide a solid foundation for graduate work in business and the social sciences. The curriculum offers a balanced blending of analytical reasoning, critical discussion of current problems, and quantitative methods.

Students interested in economics may elect a major program leading to the Bachelor of Arts or Bachelor of Science degree or options combining teaching certification and a Bachelor of Science degree. The minor in economics is an excellent complement to a major in business, humanities, and the physical and social sciences. Students majoring in business need only three additional economics courses to get a minor in economics.

Economics majors must complete MATH 215 - Survey of Calculus, or a higher-level mathematics course as a part of their Core 39 requirements. However, they do not have to meet the Business Core requirements. MATH 111 must be successfully completed before enrolling in ECON 208 or ECON 209.

Economics and computer science majors are offered in the Romain College of Business but are not business majors. Students enrolled in these programs do not take the Business Core.

Major (39-40 hours)

Required Courses (24-25 hours)

- ECON 208 - Principles of Microeconomics **Credits: 3**
- ECON 209 - Principles of Macroeconomics **Credits: 3**
- ECON 265 - Elementary Statistics **Credits: 3**
- ECON 308 - Intermediate Microeconomic Theory **Credits: 3**
- ECON 309 - Intermediate Macroeconomic Theory **Credits: 3**
- ECON 433 - Games and Strategic Behavior **Credits: 3**
- ECON 499 - Senior Seminar in Economics **Credits: 3**

- MATH 215 - Survey of Calculus **Credits: 3 or**
- MATH 230 - Calculus I **Credits: 4**

Electives (15 hours)

Select 15 hours of upper-level economics coursework (excluding ECON 301), as directed by advisor.

Marketing Major, B.A./B.S.

55 hours (31 hours of Business Core + 24 hours of marketing and business coursework)

The marketing major is designed to provide students with sufficient knowledge and skills to work in a variety of areas. Employment opportunities for marketing majors include, but are not limited to, product and brand management, market development, sales, retailing, customer service, and market research.

Romain College of Business Degree Requirements

Students seeking a bachelor's degree with a major from the Romain College of Business must satisfy all business degree requirements and Core 39 requirements listed in the Romain College of Business section of the bulletin.

Business Core for All Business Majors (31 hours)

The following required core courses provide breadth in a college education for business and a foundation for specialization in a major:

- CIS 151 - Computer Applications in Business **Credits: 3 (1) or**
- CIS 261 - Advanced Microcomputer Applications **Credits: 3 (2)**

- ACCT 201 - Accounting Principles I **Credits: 3**
- ACCT 202 - Accounting Principles II **Credits: 3**
- BCOM 231 - Business Communication **Credits: 3**
- BLAW 263 - Legal Environment of Business **Credits: 3**
- ECON 265 - Elementary Statistics **Credits: 3**
- FIN 305 - Business Finance **Credits: 3**
- MNGT 305 - Principles of Management **Credits: 3**
- MKTG 305 - Principles of Marketing **Credits: 3**
- BCOM 401 - Business Career Planning and Professional Development **Credits: 1**
- MNGT 452 - Policy Formulation and Implementation **Credits: 3**

Note(s):

(1) Required of marketing majors

(2) Required of accounting and professional services, business administration, business education, computer information systems, finance, and management majors

Business Major Requirements (21-33 hours)

Specific upper-division course requirements for the various business majors are listed under each program. These upper-level major course requirements should be completed during the junior and senior years.

Marketing Major

Required Courses (12 hours)

- MKTG 332 - Consumer Behavior **Credits: 3**
- MKTG 438 - Marketing Research **Credits: 3**
- MKTG 448 - Marketing Management **Credits: 3**
- MKTG 471 - International Marketing **Credits: 3**

Directed Electives (12 hours) Choose 4 courses from:

- MKTG 313 - Services Marketing **Credits: 3**
- MKTG 334 - Promotional Strategy **Credits: 3**
- MKTG 342 - Business and Industrial Marketing **Credits: 3**
- MKTG 344 - Personal Selling **Credits: 3**
- MKTG 355 - Interactive Marketing **Credits: 3**
- MKTG 444 - Sales Management **Credits: 3**
- MKTG 447 - Retailing Policy and Management **Credits: 3**
- MKTG 475 - Seminar in Contemporary Marketing Problems **Credits: 3**
- BUAD 499 - Business Professional Practice **Credits: 1-3**

Economics Minor

The minor in economics is designed to help students develop a basic understanding of economic skills and knowledge. The minor in economics is intended to complement major in business and the liberal arts but is open to majors in any area.

Romain College of Business Minors

Academic minor programs may be completed in accounting, business administration (only available for non-business majors), computer information systems, computer science, economics, entrepreneurship, finance, human resource management, management, marketing, and web development for enterprise. Romain College of Business majors who elect to complete minors will typically have to take more than the 120 hours required for a degree in order to complete requirements for a major and a minor. All pre-requisite courses must be completed before enrollment in any upper-level business or economics course; any exceptions must receive prior approval from the dean of the Romain College of Business.

Economics Minor Required Courses (21 hours)

- ECON 208 - Principles of Microeconomics **Credits: 3**
- ECON 209 - Principles of Macroeconomics **Credits: 3**
- ECON 265 - Elementary Statistics **Credits: 3**
- ECON 308 - Intermediate Microeconomic Theory **Credits: 3**
- ECON 361 - Money and Banking **Credits: 3**

Directed Electives

Select **6** hours from upper-level course offerings in economics (excluding ECON 301).

Marketing Minor

Romain College of Business Minors

Academic minor programs may be completed in accounting, business administration (only available for non-business majors), computer information systems, computer science, economics, entrepreneurship, finance, human resource management, management, marketing, and web development for enterprise. Romain College of Business majors who elect to complete minors will typically have to take more than the 120 hours required for a degree in order to complete requirements for a major and a minor. All pre-requisite courses must be completed before enrollment in any upper-level business or economics course; any exceptions must receive prior approval from the dean of the Romain College of Business.

Marketing Minor Required Courses (18 hours)

- ECON 175 - Fundamentals of Economics **Credits: 3 or**
- ECON 208 - Principles of Microeconomics **Credits: 3 or**
- ECON 209 - Principles of Macroeconomics **Credits: 3**

- MKTG 201 - Introduction to Marketing **Credits: 3 or**
- MKTG 305 - Principles of Marketing **Credits: 3**

Directed Electives

Select four Marketing Electives from the list:

- MKTG 313 - Services Marketing **Credits: 3**
- MKTG 332 - Consumer Behavior **Credits: 3**
- MKTG 334 - Promotional Strategy **Credits: 3**
- MKTG 342 - Business and Industrial Marketing **Credits: 3**
- MKTG 344 - Personal Selling **Credits: 3**
- MKTG 355 - Interactive Marketing **Credits: 3**
- MKTG 447 - Retailing Policy and Management **Credits: 3**
- MKTG 471 - International Marketing **Credits: 3**
- MKTG 475 - Seminar in Contemporary Marketing Problems **Credits: 3**

Management and Information Sciences

Computer Information Systems Major, B.A./B.S.

64 hours (31 hours of Business Core + 33 hours of computer and business coursework)

The computer information systems (CIS) major is designed to prepare individuals to develop and support information systems using computers in a business or organizational environment. The Association for Information Technology Professionals (AITP) model curriculum is used as the primary curriculum guide for this program.

The primary objective of the computer information systems major is to provide graduates with knowledge, abilities, and attitudes to function effectively as applications programmer/ analysts, and with the educational background and desire to pursue lifelong professional development.

Romain College of Business Degree Requirements

Students seeking a bachelor's degree with a major from the Romain College of Business must satisfy all business degree requirements and Core 39 requirements listed in the Romain College of Business section of the bulletin.

Business Core for All Business Majors (31 hours)

The following required core courses provide breadth in a college education for business and a foundation for specialization in a major:

- CIS 151 - Computer Applications in Business **Credits: 3 (1) or**
- CIS 261 - Advanced Microcomputer Applications **Credits: 3 (2)**

- ACCT 201 - Accounting Principles I **Credits: 3**
- ACCT 202 - Accounting Principles II **Credits: 3**
- BCOM 231 - Business Communication **Credits: 3**
- BLAW 263 - Legal Environment of Business **Credits: 3**
- ECON 265 - Elementary Statistics **Credits: 3**
- FIN 305 - Business Finance **Credits: 3**
- MNGT 305 - Principles of Management **Credits: 3**
- MKTG 305 - Principles of Marketing **Credits: 3**
- BCOM 401 - Business Career Planning and Professional Development **Credits: 1**
- MNGT 452 - Policy Formulation and Implementation **Credits: 3**

Note(s):

(1) Required of marketing majors

(2) Required of accounting and professional services, business administration, business education, computer information systems, finance, and management majors

Business Major Requirements (21-33 hours)

Specific upper-division course requirements for the various business majors are listed under each program. These upper-level major course requirements should be completed during the junior and senior years.

Computer Information Systems Major

Required Courses (21 hours)

- CIS 111 - Introduction to Computer Information Systems **Credits: 3**
- CIS 305 - Management Information Systems **Credits: 3**
- CIS 367 - Data Communications **Credits: 3**
- CIS 375 - Systems Analysis and Design **Credits: 3**
- CIS 377 - Introduction to Database Concepts **Credits: 3**
- CIS 454 - Managing Information Technology **Credits: 3**
- CIS 477 - Applied Software Development Project **Credits: 3**

Directed Electives (Choose one 12 hour track)

Enterprise Web Development Track

- CIS 276 - Introduction to Enterprise Web Development **Credits: 3**

- CIS 376 - Programming for Enterprise Web Development **Credits: 3**
- CIS 476 - Advanced Enterprise Web Development **Credits: 3**

- CIS 335 - Seminar in Information Systems **Credits: 3 or**
- CIS 345 - Information Systems Security and Risk Management **Credits: 3 or**
- CIS 385 - Enterprise Resource Planning **Credits: 3**

Application Development Track

- CS 258 - Introduction to Object-Oriented Programming Using C# **Credits: 3**
- CS 358 - Advanced Object-Oriented Programming Using C# **Credits: 3**
- CS 458 - Advanced Programming in C# **Credits: 3**

- CIS 335 - Seminar in Information Systems **Credits: 3 or**
- CIS 345 - Information Systems Security and Risk Management **Credits: 3 or**
- CIS 385 - Enterprise Resource Planning **Credits: 3**

IS Management Track

- CIS 335 - Seminar in Information Systems **Credits: 3**
- CIS 345 - Information Systems Security and Risk Management **Credits: 3**
- CIS 385 - Enterprise Resource Planning **Credits: 3**

- CS 258 - Introduction to Object-Oriented Programming Using C# **Credits: 3 or**
- CS 358 - Advanced Object-Oriented Programming Using C# **Credits: 3 or**
- CS 458 - Advanced Programming in C# **Credits: 3**

Computer Science Major, B.S.

The computer science program will prepare graduates for computer software development, software engineering, software development management, system development, and computer entrepreneurial positions in businesses and scientific organizations. It also will prepare students for graduate study in computer science. Graduates of the program will develop an understanding of algorithms, data structures, artificial intelligence, computer organization and architecture, numerical computation, operating systems, networking, programming language theory, and software engineering. Since the program is offered by the Romain College of Business, opportunities for business management, marketing, accounting, and management information systems electives are offered.

Economics and computer science majors are offered in the Romain College of Business but are not business majors. Students enrolled in these programs do not take the Business Core.

Computer Science Major (67-68 hours)

Required Courses (58-59 hours)

- MATH 215 - Survey of Calculus **Credits: 3 or**
- MATH 230 - Calculus I **Credits: 4**

- BCOM 231 - Business Communication **Credits: 3 or**
- ENG 210 - Technical Writing **Credits: 3**

- CS 215 - Discrete Structures for Computer Science **Credits: 3**

- CS 258 - Introduction to Object-Oriented Programming Using C# **Credits: 3**
- CS 311 - Algorithm Design and Analysis **Credits: 3**
- CS 321 - Architecture of Digital Computers **Credits: 3**
- CS 358 - Advanced Object-Oriented Programming Using C# **Credits: 3**
- CS 365 - Operating Systems **Credits: 3**
- CS 379 - Programming Languages **Credits: 3**
- CS 411 - Network Management and Security **Credits: 3**
- CS 461 - Artificial Intelligence **Credits: 3**
- CS 478 - Software Development **Credits: 3**
- CS 483 - Senior Software Development Project **Credits: 3**
- CIS 305 - Management Information Systems **Credits: 3**
- CIS 367 - Data Communications **Credits: 3**
- CIS 375 - Systems Analysis and Design **Credits: 3**
- CIS 377 - Introduction to Database Concepts **Credits: 3**
- ECE 241 - Digital Logic **Credits: 3**
- ECE 347 - Microcomputer Engineering **Credits: 3**
- BCOM 401 - Business Career Planning and Professional Development **Credits: 1**

Legacy Language (3 hours)

- CS 201 - Introduction to Object-Oriented Programming Using Java **Credits: 3**
- CS 276 - COBOL Programming I **Credits: 3**
- CS 301 - Advanced Object-Oriented Programming Using Java **Credits: 3**
- CS 376 - COBOL Programming II **Credits: 3**
- CS 421 - Study of Legacy Systems **Credits: 3**

Directed Electives (6 hours)

- CIS 276 - Introduction to Enterprise Web Development **Credits: 3**
- CIS 376 - Programming for Enterprise Web Development **Credits: 3**
- CIS 476 - Advanced Enterprise Web Development **Credits: 3**
- CIS 335 - Seminar in Information Systems **Credits: 3**
- CIS 345 - Information Systems Security and Risk Management **Credits: 3**
- CIS 385 - Enterprise Resource Planning **Credits: 3**
- CS 201 - Introduction to Object-Oriented Programming Using Java **Credits: 3**
- CS 276 - COBOL Programming I **Credits: 3**
- CS 301 - Advanced Object-Oriented Programming Using Java **Credits: 3**
- CS 376 - COBOL Programming II **Credits: 3**
- CS 461 - Artificial Intelligence **Credits: 3**
- CS 499 - Projects in Computer Science **Credits: 1-3**
- ECE 447 - Embedded Systems Design **Credits: 3**

Management Major, B.A./B.S.

55 hours (31 hours of Business Core + 24 hours of management and business coursework)

The management major is designed to prepare students for careers as managers in for-profit or not-for-profit organizations, private sector, or public sector. Managers set the goals of their organizations and decide how best to achieve them. They direct activities and allocate financial, physical, and information resources. They lead members of the organization to work together, and they monitor progress toward achieving the organization's goals. The management major provides broad coverage of the

technical, interpersonal, conceptual, and analytical skills necessary to specialize in a particular concentration such as human resource management or change/innovation management.

Romain College of Business Degree Requirements

Students seeking a bachelor's degree with a major from the Romain College of Business must satisfy all business degree requirements and Core 39 requirements listed in the Romain College of Business section of the bulletin.

Business Core for All Business Majors (31 hours)

The following required core courses provide breadth in a college education for business and a foundation for specialization in a major:

- CIS 151 - Computer Applications in Business **Credits: 3 (1) or**
- CIS 261 - Advanced Microcomputer Applications **Credits: 3 (2)**

- ACCT 201 - Accounting Principles I **Credits: 3**
- ACCT 202 - Accounting Principles II **Credits: 3**
- BCOM 231 - Business Communication **Credits: 3**
- BLAW 263 - Legal Environment of Business **Credits: 3**
- ECON 265 - Elementary Statistics **Credits: 3**
- FIN 305 - Business Finance **Credits: 3**
- MNGT 305 - Principles of Management **Credits: 3**
- MKTG 305 - Principles of Marketing **Credits: 3**
- BCOM 401 - Business Career Planning and Professional Development **Credits: 1**
- MNGT 452 - Policy Formulation and Implementation **Credits: 3**

Note(s):

(1) Required of marketing majors

(2) Required of accounting and professional services, business administration, business education, computer information systems, finance, and management majors

Business Major Requirements (21-33 hours)

Specific upper-division course requirements for the various business majors are listed under each program. These upper-level major course requirements should be completed during the junior and senior years.

Management Major

Required Courses (15 hours)

- CIS 305 - Management Information Systems **Credits: 3**
- DSCI 351 - Introduction to Operations Research **Credits: 3**
- MNGT 315 - Management of Organizational Behavior **Credits: 3**
- MNGT 361 - Business Environmental Factors **Credits: 3**

- MNGT 443 - Organizational Theory and Design **Credits: 3**

Area of Interest (Choose one 9 hour area)

Human Resource Management

- MNGT 341 - Human Resource Management **Credits: 3**
- MNGT 408 - Collective Bargaining and Industrial Relations **Credits: 3**
- MNGT 441 - Wage and Salary Administration **Credits: 3**

Innovation Management

- MNGT 352 - Entrepreneurship Ideation and Innovation **Credits: 3**
- MNGT 353 - Entrepreneurship Feasibility Analysis and Business Plan Development **Credits: 3**
- MNGT 354 - Strategic Entrepreneurship **Credits: 3**

General Management

Select 9 hours from any upper-level management courses, CIS 454, or DSCI 445 .

Computer Information Systems Minor

Romain College of Business Minors

Academic minor programs may be completed in accounting, business administration (only available for non-business majors), computer information systems, computer science, economics, entrepreneurship, finance, human resource management, management, marketing, and web development for enterprise. Romain College of Business majors who elect to complete minors will typically have to take more than the 120 hours required for a degree in order to complete requirements for a major and a minor. All pre-requisite courses must be completed before enrollment in any upper-level business or economics course; any exceptions must receive prior approval from the dean of the Romain College of Business.

Computer Information Systems Minor Required Courses (18 hours)

- CIS 111 - Introduction to Computer Information Systems **Credits: 3**
- CIS 261 - Advanced Microcomputer Applications **Credits: 3**
- CS 258 - Introduction to Object-Oriented Programming Using C# **Credits: 3**
- CIS 305 - Management Information Systems **Credits: 3**
- CIS 375 - Systems Analysis and Design **Credits: 3**
- CIS 377 - Introduction to Database Concepts **Credits: 3**

Computer Science Minor

The minor in computer science is designed to complement majors in science, mathematics, and technology areas but is open to majors in any area. Courses in computer science do not satisfy Core 39 requirements.

Romain College of Business Minors

Academic minor programs may be completed in accounting, business administration (only available for non-business majors), computer information systems, computer science, economics, entrepreneurship, finance, human resource management,

management, marketing, and web development for enterprise. Romain College of Business majors who elect to complete minors will typically have to take more than the 120 hours required for a degree in order to complete requirements for a major and a minor. All pre-requisite courses must be completed before enrollment in any upper-level business or economics course; any exceptions must receive prior approval from the dean of the Romain College of Business.

Computer Science Minor Required Courses (18 hours)

- CS 215 - Discrete Structures for Computer Science **Credits: 3**
- CS 258 - Introduction to Object-Oriented Programming Using C# **Credits: 3**
- CS 358 - Advanced Object-Oriented Programming Using C# **Credits: 3**
- CS 379 - Programming Languages **Credits: 3**

Directed Electives

Select **6** hours from among upper-level computer science (CS) courses, upper-level computer information systems (CIS) courses, ECE 241, ECE 347, or MATH 437.

Entrepreneurship Minor

Romain College of Business Minors

Academic minor programs may be completed in accounting, business administration (only available for non-business majors), computer information systems, computer science, economics, entrepreneurship, finance, human resource management, management, marketing, and web development for enterprise. Romain College of Business majors who elect to complete minors will typically have to take more than the 120 hours required for a degree in order to complete requirements for a major and a minor. All pre-requisite courses must be completed before enrollment in any upper-level business or economics course; any exceptions must receive prior approval from the dean of the Romain College of Business.

Entrepreneurship Minor Required Courses (18 hours)

- MNGT 352 - Entrepreneurship Ideation and Innovation **Credits: 3**
- MNGT 353 - Entrepreneurship Feasibility Analysis and Business Plan Development **Credits: 3**
- MNGT 354 - Strategic Entrepreneurship **Credits: 3**
- Three directed electives, to be selected in consultation with the student's major advisor and minor advisor **Credits: 9**

Human Resource Management Minor

Romain College of Business Minors

Academic minor programs may be completed in accounting, business administration (only available for non-business majors), computer information systems, computer science, economics, entrepreneurship, finance, human resource management, management, marketing, and web development for enterprise. Romain College of Business majors who elect to complete minors will typically have to take more than the 120 hours required for a degree in order to complete requirements for a major and a minor. All pre-requisite courses must be completed before enrollment in any upper-level business or economics course; any exceptions must receive prior approval from the dean of the Romain College of Business.

Human Resource Management Minor Required Courses (18 hours)

- MNGT 201 - Survey of Management **Credits: 3** or
- MNGT 305 - Principles of Management **Credits: 3**

- PSY 376 - Industrial Psychology **Credits: 3** or
- MNGT 315 - Management of Organizational Behavior **Credits: 3**

- MNGT 341 - Human Resource Management **Credits: 3**
- MNGT 408 - Collective Bargaining and Industrial Relations **Credits: 3**
- MNGT 441 - Wage and Salary Administration **Credits: 3**
- MNGT 442 - Training and Development **Credits: 3**

Management Minor

Romain College of Business Minors

Academic minor programs may be completed in accounting, business administration (only available for non-business majors), computer information systems, computer science, economics, entrepreneurship, finance, human resource management, management, marketing, and web development for enterprise. Romain College of Business majors who elect to complete minors will typically have to take more than the 120 hours required for a degree in order to complete requirements for a major and a minor. All pre-requisite courses must be completed before enrollment in any upper-level business or economics course; any exceptions must receive prior approval from the dean of the Romain College of Business.

Management Minor Required Courses (18 hours)

Select one course:

- ECON 175 - Fundamentals of Economics **Credits: 3**
- ECON 208 - Principles of Microeconomics **Credits: 3**
- ECON 209 - Principles of Macroeconomics **Credits: 3**

Select one course:

- MNGT 201 - Survey of Management **Credits: 3**
- MNGT 305 - Principles of Management **Credits: 3**

Select one course:

- MKTG 201 - Introduction to Marketing **Credits: 3**
- MKTG 305 - Principles of Marketing **Credits: 3**

Directed Electives

Select **9** hours from the following:

- MNGT 315 - Management of Organizational Behavior **Credits: 3**
- MNGT 341 - Human Resource Management **Credits: 3**
- MNGT 354 - Strategic Entrepreneurship **Credits: 3**
- MNGT 361 - Business Environmental Factors **Credits: 3**
- MNGT 408 - Collective Bargaining and Industrial Relations **Credits: 3**
- MNGT 441 - Wage and Salary Administration **Credits: 3**
- MNGT 443 - Organizational Theory and Design **Credits: 3**
- MNGT 444 - Managing Diversity in Organizations **Credits: 3**
- MNGT 445 - International Business **Credits: 3**

- MNGT 455 - Small Business Consulting **Credits: 3**

Web Development for Enterprise Minor

Romain College of Business Minors

Academic minor programs may be completed in accounting, business administration (only available for non-business majors), computer information systems, computer science, economics, entrepreneurship, finance, human resource management, management, marketing, and web development for enterprise. Romain College of Business majors who elect to complete minors will typically have to take more than the 120 hours required for a degree in order to complete requirements for a major and a minor. All pre-requisite courses must be completed before enrollment in any upper-level business or economics course; any exceptions must receive prior approval from the dean of the Romain College of Business.

Web Development For Enterprise Minor Required Courses (21 hours)

- ARTD 231 - Introduction to Graphic Design **Credits: 3**
- ARTD 381 - Interactive Web Design **Credits: 3**
- CIS 276 - Introduction to Enterprise Web Development **Credits: 3**
- CIS 477 - Applied Software Development Project **Credits: 3**

- CIS 376 - Programming for Enterprise Web Development **Credits: 3 or**
- JRN 374 - Internet Communications **Credits: 3**

Directed Electives

Choose one set (6 hours):

- PRL 101 - Introduction to Public Relations **Credits: 3 and**
- PRL 368 - Strategic Writing **Credits: 3**
or
- JRN 281 - Basic Reporting **Credits: 3 and**
- JRN 388 - Online Journalism **Credits: 3**

Computer Information Systems, Post-Baccalaureate Certificate

33 hours; 3.00 GPA required

The post-baccalaureate certification program in computer information systems will enable persons with a degree in another academic discipline to achieve a working competency in computer information systems. The program is appropriate for students who wish to gain a conceptual knowledge of information systems and the skills needed to become a programmer, systems analyst, or information manager. Successful achievement of the course work in the program will prepare students to sit for the Certified Computer Professional Examination sponsored by the Institute for the Certification of Computer Professionals. Certificate students must maintain a minimum 3.0 GPA in USI coursework needed for the certificate. At least 18 of the 33 hours must be completed in residence.

Required Courses (21 hours)

- CIS 261 - Advanced Microcomputer Applications **Credits: 3**
- CIS 305 - Management Information Systems **Credits: 3**
- CIS 367 - Data Communications **Credits: 3**

- CIS 375 - Systems Analysis and Design **Credits: 3**
- CIS 377 - Introduction to Database Concepts **Credits: 3**
- CIS 454 - Managing Information Technology **Credits: 3**
- CIS 477 - Applied Software Development Project **Credits: 3**

Required Track (12 hours)

Complete one of the following three tracks:

Enterprise Web Development Track

- CIS 276 - Introduction to Enterprise Web Development **Credits: 3**
- CIS 376 - Programming for Enterprise Web Development **Credits: 3**
- CIS 476 - Advanced Enterprise Web Development **Credits: 3**

- CIS 335 - Seminar in Information Systems **Credits: 3** or
- CIS 345 - Information Systems Security and Risk Management **Credits: 3** or
- CIS 385 - Enterprise Resource Planning **Credits: 3**

Application Development Track

- CS 258 - Introduction to Object-Oriented Programming Using C# **Credits: 3**
- CS 358 - Advanced Object-Oriented Programming Using C# **Credits: 3**
- CS 458 - Advanced Programming in C# **Credits: 3**

- CIS 335 - Seminar in Information Systems **Credits: 3** or
- CIS 345 - Information Systems Security and Risk Management **Credits: 3** or
- CIS 385 - Enterprise Resource Planning **Credits: 3**

IS Management Track

- CIS 335 - Seminar in Information Systems **Credits: 3**
- CIS 345 - Information Systems Security and Risk Management **Credits: 3**
- CIS 385 - Enterprise Resource Planning **Credits: 3**

- CS 258 - Introduction to Object-Oriented Programming Using C# **Credits: 3** or
- CS 358 - Advanced Object-Oriented Programming Using C# **Credits: 3** or
- CS 458 - Advanced Programming in C# **Credits: 3**

Business - Dean's Office

Business Major, A.A./A.S.

Associate Degree in Business

The Romain College of Business offers one associate degree program, providing an opportunity for students to prepare themselves for productive employment in business occupations while requiring less preparation and time than a traditional

bachelor's degree program. The Associate of Science or Associate of Arts degree in business may be completed in approximately one half the time required for achievement of a bachelor's degree.

Classes are available during both day and evening hours. Some of the credits earned in an associate degree program may be applied toward meeting bachelor's degree requirements in other programs offered by the Romain College of Business.

An associate degree requires a minimum of 60 credit hours.

The Associate of Science or Associate of Arts degree program in business is an opportunity to gain an understanding of the functions of business as well as introductory courses in specific occupational areas in the following disciplines: accounting, administrative systems, business administration, data processing, finance, management, marketing, and administrative support systems. Course requirements are flexible enough to allow the design of a program of study tailored to fit the needs or job interests of each individual.

Required Core 39 Courses (28 hours)

- CMST 101 - Introduction to Public Speaking **Credits: 3**
- ENG 101 - Rhetoric and Composition I: Literacy and the Self **Credits: 3**
- ENG 201 - Rhetoric and Composition II: Literacy and the World **Credits: 3**
- MATH 111 - College Algebra **Credits: 4** (or higher-level UCC A2-MATH course)
- Choose one Core 39 Natural Science course **Credits: 3-4**
- ECON 208 - Principles of Microeconomics **Credits: 3**
- PSY 201 - Introduction to Psychology **Credits: 3**
- Choose one Core 39 courses from among Ways of Knowing **Credits: 3**
- Choose one History, Anthropology, Political Science, or Sociology course from among the approved Core 39 courses in Ways of Knowing **Credits: 3**

Required Business and Economics Courses (21 hours)

- ACCT 201 - Accounting Principles I **Credits: 3**
- ACCT 202 - Accounting Principles II **Credits: 3**
- BCOM 231 - Business Communication **Credits: 3 or**
- ENG 210 - Technical Writing **Credits: 3**
- BLAW 263 - Legal Environment of Business **Credits: 3**
- CIS 151 - Computer Applications in Business **Credits: 3**
- ECON 208 - Principles of Microeconomics **Credits: 3**
- ECON 209 - Principles of Macroeconomics **Credits: 3**

Directed Electives (9 hours)

Choose three courses from the following:

- CIS 261 - Advanced Microcomputer Applications **Credits: 3**
- CIS 111 - Introduction to Computer Information Systems **Credits: 3**
- ECON 241 - Global Economic Issues **Credits: 3**
- FIN 208 - Personal Financial Management **Credits: 3**
- MNGT 141 - Introduction to Business **Credits: 3***

- ECON 265 - Elementary Statistics **Credits: 3 or**
- MATH 241 - Principles of Statistics **Credits: 3**

- FIN 201 - Fundamentals of Finance **Credits: 3 or**
- FIN 305 - Business Finance **Credits: 3 ****

- MNGT 201 - Survey of Management **Credits: 3 or**
- MNGT 305 - Principles of Management **Credits: 3 ****

- MKTG 201 - Introduction to Marketing **Credits: 3 or**
- MKTG 305 - Principles of Marketing **Credits: 3 ****

Note(s):

*MNGT 141 is not open to students who have completed or are currently enrolled in three or more courses from the business and economics areas.

** Students must meet the prerequisites for these courses.

Business Administration Major, B.A./B.S.

52-55 hours (31 hours of Business Core + 21-24 hours of business coursework)

The business administration major is designed to prepare students for careers in business management. The major provides broad coverage of the technical, interpersonal, conceptual, and analytical skills necessary to specialize in a particular area of interest such as entrepreneurship, small business, international business, or general business.

The USI undergraduate program is designed to prepare students for first-line supervisory positions in profit or not-for-profit organizations, private sector, or public sector. Graduates typically will take positions in financial management, marketing management, operations management, or general management. The business world is constantly changing; the business program prepares students with the knowledge and skills necessary to succeed in the face of this challenge.

Romain College of Business Degree Requirements

Students seeking a bachelor's degree with a major from the Romain College of Business must satisfy all business degree requirements and Core 39 requirements listed in the Romain College of Business section of the bulletin.

Business Core for All Business Majors (31 hours)

The following required core courses provide breadth in a college education for business and a foundation for specialization in a major:

- CIS 151 - Computer Applications in Business **Credits: 3 (1) or**
- CIS 261 - Advanced Microcomputer Applications **Credits: 3 (2)**

- ACCT 201 - Accounting Principles I **Credits: 3**
- ACCT 202 - Accounting Principles II **Credits: 3**
- BCOM 231 - Business Communication **Credits: 3**
- BLAW 263 - Legal Environment of Business **Credits: 3**
- ECON 265 - Elementary Statistics **Credits: 3**

- FIN 305 - Business Finance **Credits: 3**
- MNGT 305 - Principles of Management **Credits: 3**
- MKTG 305 - Principles of Marketing **Credits: 3**
- BCOM 401 - Business Career Planning and Professional Development **Credits: 1**
- MNGT 452 - Policy Formulation and Implementation **Credits: 3**

Note(s):

(1) Required of marketing majors

(2) Required of accounting and professional services, business administration, business education, computer information systems, finance, and management majors

Business Major Requirements (21-33 hours)

Specific upper-division course requirements for the various business majors are listed under each program. These upper-level major course requirements should be completed during the junior and senior years.

Business Administration Major Required Courses (9 hours)

- CIS 305 - Management Information Systems **Credits: 3**
- DSCI 351 - Introduction to Operations Research **Credits: 3**
- DSCI 445 - Operations Management **Credits: 3**

Business Administration Area of Interest (15 hours)

Complete one of the following areas of interest:

Entrepreneurship/Small Business (15 hours)

- MNGT 352 - Entrepreneurship Ideation and Innovation **Credits: 3**
- MNGT 353 - Entrepreneurship Feasibility Analysis and Business Plan Development **Credits: 3**
- MNGT 354 - Strategic Entrepreneurship **Credits: 3**
- MNGT 455 - Small Business Consulting **Credits: 3**
- Advisor approved upper-level business elective **Credits: 3**

International Business (15 hours)

- ECON 341 - International Trade **Credits: 3**
- FIN 343 - International Finance **Credits: 3**
- MNGT 445 - International Business **Credits: 3**
- MKTG 471 - International Marketing **Credits: 3**
- Advisor approved upper-level business elective **Credits: 3**

General Business (15 hours)

Complete fifteen (15) hours of upper-level electives, chosen from the following list of disciplines.

Select six (6) hours from each of two disciplines, and three (3) hours from a third discipline:

Accounting (ACCT)	Finance (FIN)
Computer Information Systems (CIS)	Management (MNGT)
Decision Sciences (DSCI)	Marketing (MKTG)
Economics (ECON)	

Business Education Teaching Major, B.A./B.S.

Students desiring to prepare for a career in teaching business subjects in grades 5–12 may complete a business education major program offered by the Romain College of Business in cooperation with the Pott College of Science, Engineering and Education. The business education major is accredited by the Indiana Professional Standards Board and the National Council for the Accreditation of Teacher Education, www.ncate.org. As a business teacher educator, graduates will be able to teach the following subjects:

- Accounting I and II
- Advanced Business, College Credit
- Business and Management Higher Level, International Baccalaureate
- Business and Management Standard Level, International Baccalaureate
- Business and Personal Law
- Business, College Prep
- Business Foundations
- Business Management
- Business Mathematics
- Computer Applications
- Computer Applications Advanced
- Computer Programming
- Computer Science A. Advanced Placement
- Computer Science Higher Level, International Baccalaureate
- Computer Science Standard Level, International Baccalaureate
- Desktop Publishing
- Digital Communications Tools
- Entrepreneurship
- Global Economics
- International Business
- Keyboarding Document
- Marketing I
- Personal Financial Responsibility
- Technical/Business Communications
- Web Design

In addition to completion of the course requirements for the business teacher concentration, all students must

- comply with the procedures and regulations of the Pott College of Science, Engineering and Education related to admission;
- take and pass all three sections of the PRAXIS I as either a freshman or first-semester sophomore;
- complete 55 credit hours by the end of their sophomore year or the first semester of their junior year;
- have a grade point average (GPA) of 2.75 overall and a GPA of 2.75 within the College of Business;
- Pass the PRAXIS II – Business Education (10100) test during the senior year; and

- participate in student teaching. (See the Department of Teacher Education section of the bulletin for further information.)

Teaching Major Grade & GPA Requirement

Students completing a teaching major must earn at least a 2.75 cumulative GPA, a 2.75 major GPA, and a grade of C or better in all courses applied toward degree requirements.

Romain College of Business Degree Requirements

Students seeking a bachelor's degree with a major from the Romain College of Business must satisfy all business degree requirements and Core 39 requirements listed in the Romain College of Business section of the bulletin.

Business Core for All Business Majors (31 hours)

The following required core courses provide breadth in a college education for business and a foundation for specialization in a major:

- CIS 151 - Computer Applications in Business **Credits: 3 (1) or**
- CIS 261 - Advanced Microcomputer Applications **Credits: 3 (2)**

- ACCT 201 - Accounting Principles I **Credits: 3**
- ACCT 202 - Accounting Principles II **Credits: 3**
- BCOM 231 - Business Communication **Credits: 3**
- BLAW 263 - Legal Environment of Business **Credits: 3**
- ECON 265 - Elementary Statistics **Credits: 3**
- FIN 305 - Business Finance **Credits: 3**
- MNGT 305 - Principles of Management **Credits: 3**
- MKTG 305 - Principles of Marketing **Credits: 3**
- BCOM 401 - Business Career Planning and Professional Development **Credits: 1**
- MNGT 452 - Policy Formulation and Implementation **Credits: 3**

Note(s):

(1) Required of marketing majors

(2) Required of accounting and professional services, business administration, business education, computer information systems, finance, and management majors

Business Education Major Required Courses (12 hours)

- ASBE 291 - Desktop Publishing and Web Design **Credits: 3 or**
- EDUC 214 - Instructional Technology in Education **Credits: 3** (ASBE291 recommended)

- CIS 151 - Computer Applications in Business **Credits: 3**
- FIN 208 - Personal Financial Management **Credits: 3**
- BSED 397 - Methods of Teaching Business Education **Credits: 3**

Secondary Education Licensure minor

Students seeking a teaching major that leads to licensure as a secondary school teacher (grades 5-12) are required to complete the Secondary Education Licensure Minor.

Career/Technical Education Endorsement

Vocational Business Education (6 hours)

The candidate for the vocational business education (CTE) endorsement must hold the business education license and complete the following coursework.

Additional Information

Endorsements will not appear on official university transcripts.

Coverage: The holder of the vocational business endorsement is eligible to teach state-approved vocational subjects in business education, organize and manage an intensive office laboratory and/or in-school business laboratory, coordinate a cooperative program with students from all office occupational areas, and coordinate an interdisciplinary cooperative education program. In order to qualify for the vocational endorsement the student must adhere to the following rules set by the Indiana Department of Education, see Section C – Workplace Specialists I:Initial at the following web site: www.doe.in.gov/educatorlicensing/pdf/WS_Reqs.pdf.

Business Administration Minor

For non-Romain College of Business majors only

Romain College of Business Minors

Academic minor programs may be completed in accounting, business administration (only available for non-business majors), computer information systems, computer science, economics, entrepreneurship, finance, human resource management, management, marketing, and web development for enterprise. Romain College of Business majors who elect to complete minors will typically have to take more than the 120 hours required for a degree in order to complete requirements for a major and a minor. All pre-requisite courses must be completed before enrollment in any upper-level business or economics course; any exceptions must receive prior approval from the dean of the Romain College of Business.

Business Administration Minor Required Courses (18 hours)

- ACCT 201 - Accounting Principles I **Credits: 3**
- ACCT 202 - Accounting Principles II **Credits: 3**
- BLAW 263 - Legal Environment of Business **Credits: 3**

- FIN 201 - Fundamentals of Finance **Credits: 3** **or**
- FIN 305 - Business Finance **Credits: 3**

- MNGT 201 - Survey of Management **Credits: 3** **or**
- MNGT 305 - Principles of Management **Credits: 3**

- MKTG 201 - Introduction to Marketing **Credits: 3** **or**
- MKTG 305 - Principles of Marketing **Credits: 3**

College of Liberal Arts

www.usi.edu/libarts

Michael K. Aakhus, M.F.A., Dean

Thomas D. Bordelon, Ed. D., Assistant Dean

Michael Dixon, Ph.D., Assistant Dean

Joan deJong, M.F.A., Chair, Art Department

J. Wayne Rinks, Ph.D., Chair, Communications Department

Stephen G. Spencer, Ph.D., Chair, English Department

Jason D. Hardgrave, Ph.D., Chair, History Department

Christopher Rivera, Ph.D., Director, Center for Interdisciplinary Studies

Emiliga Zlatkovska, Ph.D., Director, Intensive English Program

Silvia A. Rode, Ph.D., Chair, World Languages and Culture Department

Elliot H. Wasserman, M.F.A., Chair, Performing Arts Department

Rocco J. Gennaro, Ph.D., Chair, Philosophy Department

Mary Hallock Morris Ph.D., Chair, Political Science and Public Administration Department

Julie A. Evey, Ph.D., Chair, Psychology Department

Iris Phillips, Ph.D., Chair, Social Work Department

Todd J. Schroer, Ph.D., Chair, Sociology, Anthropology, and Criminal Justice Studies Department

The College of Liberal Arts offers students the opportunities, first, to develop the fundamentals of a liberal education upon which to base a lifetime of learning and, second, to concentrate in studies that form the foundation for professional pursuits.

The College includes the departments of Art; Communications; English; History; World Languages and Culture; Performing Arts; Philosophy; Political Science and Public Administration; Psychology; Social Work; Sociology, Anthropology, and Criminal Justice Studies; and the Center for Interdisciplinary Studies. Through these departments and this center, the College offers more than 30 majors and emphases and a similar number of minors. Students interested in teaching careers may seek secondary education licensing in Art, Journalism, Theatre, English, French, German, Spanish, History, Political Science, Psychology, Sociology, and Economics.

The Liberal Arts and a Liberal Education

A liberal education, in the words of Martha Nussbaum, is the "cultivation of the whole human being for the functions of citizenry and life." At USI this cultivation is the goal of Core 39, many of the courses for which are offered in Liberal Arts. Complete details of the core are available at www.usi.edu/libarts/uccore. Students should consult with their advisors in developing a

specific plan for completing these requirements. Students seeking a major or minor in Liberal Arts must have a 2.0 GPA or better in their major or minor coursework, unless otherwise stated.

Teacher Licensing Policy

Many students majoring in disciplines in the College of Liberal Arts prepare themselves to teach in secondary schools (high schools, junior high schools, or middle schools). Although these candidates for licensing may take some education courses in their freshman and sophomore years, formal application for admission to the secondary education program (under the direction of the Department of Teacher Education) does not occur until they have completed their 45th credit hour.

A student may apply for admission into the teacher education program and secondary licensure program minor after completion of EDUC 206, 221, and 283. The successful completion of CASA (which should be taken during the second semester of the student's first year), or a minimum SAT score of 1100, or a minimum ACT score of 24, is required before a student may take EDUC 283. The student must successfully complete other courses and meet GPA requirements as established for the major. As part of the application process, the student will be interviewed by both the major and minor departments. A student should ask his or her advisor for information on arranging the interview.

The structure of the interview may vary according to department, but in general, it will be conducted by a committee consisting of two to three faculty members from the major field(s). This committee will interview the student according to the procedures established in the department, review his or her record, and decide on a recommendation.

The committee may decide as follows: (1) to recommend the student unconditionally for admission to the teacher education program; (2) to recommend with specific conditions; (3) to reject the student. The chair of the committee will record the committee's decision on the student's application form and return the form to the student. One copy of the recommendation will be placed in the student's advising folder. The committee will approve applications to Teacher Education through Tk20.

Among factors the committee will consider in making its decision are the student's academic record, performance in classes, course work completed, ability to organize and present material orally, and general promise. In particular, University regulations require that a student admitted unconditionally to the teacher education program must carry a grade point average of at least 2.75 in his/her major, any supporting area or minor, and overall. A student may appeal the decision of the interview committee to the Dean of Liberal Arts.

Art

The Art Department is accredited by the National Association of Schools of Art and Design (NASAD) and offers both the Bachelor of Arts and the Bachelor of Science degrees in art and in art education. Students pursuing an art degree choose an emphasis in art history, graphic design, illustration, interactive media design, photography, or studio (ceramics, jewelry, painting, printmaking, sculpture or woodworking). Students seeking an art education degree select either the (P-12) all-grade or the (secondary) high school track. Program requirements for the art education major, whether P-12 or secondary, are consistent with the teacher education licensing requirements in the State of Indiana. Minors in art education (elementary), art education (secondary), art history, graphic design, photography, and studio art are available.

The art and art education programs serve to help students define their own professional goals and to provide entry into career fields or graduate study. Upon completion of their studies at USI, many art majors have been accepted into graduate programs at prestigious institutions throughout the country. The art faculty takes pride in the accomplishments of its graduates who have achieved success as graphic designers, artists, elementary to university-level teachers, museum and gallery personnel, and art historians.

The Art department consists of four integrated academic areas: studio art, graphic design, art education, and art history. Introductory courses in design, drawing, and art history prepare students for entry into their chosen area of study within the art and art education programs. All art courses are designed to help students develop technical and conceptual skills, establish a foundation for critical thinking and fulfill their creative potential. In order to enhance their understanding of the visual arts, all art students complete a sequence of art history courses. An internship program offered junior and senior art students the opportunity

to work in professional settings at design studios, museums and galleries. Ultimately, the goal of the art program is to prepare each student to become a contributing member of the art profession, the community and society as a whole.

The Kenneth P. McCutchan Art Center/Palmina F. and Stephen S. Pace Galleries contributes to the educational experience at USI by providing a professional exhibition space for the creative work of art majors, faculty members, and alumni, as well as special exhibits such as the University's art collection, visiting artists, traveling exhibits, and juried invitational shows. The art program also is affiliated with the New Harmony Gallery of Contemporary Art, which provides continuous art exhibitions during the academic year.

Note: For a 15-week semester, one semester credit hour equals one contact hour of class instruction for lecture courses (most ARTH and ARTE prefixes). For studio/laboratory courses (most ART and ARTD prefixes) one semester credit hour equals two contact hours of class instruction. All art courses require preparation outside of class.

Art Major, Art History Emphasis, B.A./B.S.

Two years of a World Language (or equivalent placement test) is **STRONGLY RECOMMENDED** for any student planning on attending graduate school for art history.

45 hours; 2.0 major GPA required

Required Courses (33 hours)

- ARTH 221 - Art History I **Credits: 3**
- ARTH 222 - Art History II **Credits: 3**
- ARTH 490 - Special Problems in Art History **Credits: 3**

Choose one course from each set

- ART 103 - Color and Design **Credits: 3** or
- ART 104 - Design in Materials **Credits: 3** or
- ART 105 - Drawing I **Credits: 3**

- ARTD 274 - Introduction to Digital Photo Imaging **Credits: 3** or
- ARTD 275 - Computer Graphic Arts **Credits: 3**

- ARTH 323 - Ancient Greek Art **Credits: 3** or
- ARTH 327 - Medieval Art **Credits: 3**

- ARTH 343 - Renaissance Art **Credits: 3** or
- ARTH 344 - Baroque Art **Credits: 3**

- ARTH 353 - 19th Century Art **Credits: 3** or
- ARTH 354 - 20th Century Art **Credits: 3**

- ARTH 355 - Contemporary Art **Credits: 3** or
- ARTH 490 - Special Problems in Art History **Credits: 3**
(approved topic in 20th Century Art or Contemporary Art)

- ARTH 335 - Asian Art **Credits: 3** or
ARTH 490 - Special Problems in Art History (approved topic in Non-Western Art)

- ART 498 - Internship in Art **Credits: 3** or
- ART 399 - Select Topics in Studio Art **Credits: 3**
approved topic: Art Galleries **or**
- ART 489 - Special Problems in Art **Credits: 1-6**
approved topic: Art Galleries

Elective Courses (12 hours)

(Individual courses NOT used to fulfill the 33 hours of required courses)

Selected from:

- ARTH 253 - Art of Ancient Mexico **Credits: 3**
- ARTH 323 - Ancient Greek Art **Credits: 3**
- ARTH 327 - Medieval Art **Credits: 3**
- ARTH 335 - Asian Art **Credits: 3**
- ARTH 343 - Renaissance Art **Credits: 3**
- ARTH 344 - Baroque Art **Credits: 3**
- ARTH 353 - 19th Century Art **Credits: 3**
- ARTH 354 - 20th Century Art **Credits: 3**
- ARTH 355 - Contemporary Art **Credits: 3**
- ARTH 359 - Special Studies in Art History **Credits: 1-3** (only one 3 credit hour course counts for major)
- ARTH 490 - Special Problems in Art History **Credits: 3** (repeatable for a total of five times for major)
- ART 489 - Special Problems in Art **Credits: 1-6** (topic approved by Art Department Chair)
- One studio art elective **Credits: 3**

Art History Portfolio Requirement

Each student will submit a digital portfolio (PDF format) consisting of at least one writing sample and/or research sample from each of the upper-level (300/400) art history courses that he or she has taken. At least two of these samples must be in the form of research/term papers and/or research/term documents.

Art Major, Graphic Design Emphasis, B.A./B.S.

45 hours; 2.0 major GPA required

Required Courses (39 hours)

- ART 103 - Color and Design **Credits: 3**
- ART 105 - Drawing I **Credits: 3**
- ARTD 231 - Introduction to Graphic Design **Credits: 3**
- ARTD 232 - Typography **Credits: 3**
- ARTD 275 - Computer Graphic Arts **Credits: 3**
- ARTD 331 - Illustration Techniques **Credits: 3**
- ARTD 376 - Graphic Design II **Credits: 3**
- ARTD 475 - Graphic Design III **Credits: 3**
- ARTD 494 - Senior Design Seminar **Credits: 3**
- ARTH 221 - Art History I **Credits: 3**

- ARTH 222 - Art History II **Credits: 3**
Select two upper-level Art History courses **Credits: 6**
- ARTH 323 - Ancient Greek Art **Credits: 3**
- ARTH 327 - Medieval Art **Credits: 3**
- ARTH 335 - Asian Art **Credits: 3**
- ARTH 343 - Renaissance Art **Credits: 3**
- ARTH 344 - Baroque Art **Credits: 3**
- ARTH 353 - 19th Century Art **Credits: 3**
- ARTH 354 - 20th Century Art **Credits: 3**
- ARTH 355 - Contemporary Art **Credits: 3**
- ARTH 490 - Special Problems in Art History **Credits: 3**

Directed electives (6 hours)

Selected from the following:

- ARTD 332 - Digital Illustration **Credits: 3**
- ARTD 378 - History of Graphic Design **Credits: 3**
- ARTD 381 - Interactive Web Design **Credits: 3**
- ARTD 382 - Interactive Graphics **Credits: 3**
- ARTD 383 - Advanced Digital Photo Imaging **Credits: 3**
- ARTD 431 - Narrative Illustration **Credits: 3**
- ARTD 476 - Graphic Design IV **Credits: 3**
- ART 399 - Select Topics in Studio Art **Credits: 3** (topics vary; approved design courses may be allowed)
- ART 489 - Special Problems in Art **Credits: 1-6** (topics vary; approved design courses may be allowed)

Art Major, Illustration Emphasis, B.A./B.S.

45 hours; 2.0 major GPA required

Required Courses (39 hours)

- ART 103 - Color and Design **Credits: 3**
- ART 105 - Drawing I **Credits: 3**
- ART 106 - Drawing and Composition **Credits: 3**
- ART 205 - Figure Drawing I **Credits: 3**
- ARTD 275 - Computer Graphic Arts **Credits: 3**
- ARTD 331 - Illustration Techniques **Credits: 3**
- ARTD 332 - Digital Illustration **Credits: 3**
- ARTD 431 - Narrative Illustration **Credits: 3**
- ARTD 494 - Senior Design Seminar **Credits: 3**
- ARTH 221 - Art History I **Credits: 3**
- ARTH 222 - Art History II **Credits: 3**
Select two upper-level Art History courses **Credits: 6**
- ARTH 323 - Ancient Greek Art **Credits: 3**
- ARTH 327 - Medieval Art **Credits: 3**

- ARTH 335 - Asian Art **Credits: 3**
- ARTH 343 - Renaissance Art **Credits: 3**
- ARTH 344 - Baroque Art **Credits: 3**
- ARTH 353 - 19th Century Art **Credits: 3**
- ARTH 354 - 20th Century Art **Credits: 3**
- ARTH 355 - Contemporary Art **Credits: 3**
- ARTH 490 - Special Problems in Art History **Credits: 3**

Directed electives (6 hours)

Selected from the following:

- ART 206 - Figure Drawing II **Credits: 3**
- ART 311 - Painting I **Credits: 3**
- ART 405 - Figure Drawing in Composition III **Credits: 3**
- ARTD 231 - Introduction to Graphic Design **Credits: 3**
- ARTD 378 - History of Graphic Design **Credits: 3**
- ARTD 381 - Interactive Web Design **Credits: 3**
- ARTD 382 - Interactive Graphics **Credits: 3**
- ARTD 383 - Advanced Digital Photo Imaging **Credits: 3**
- ARTD 432 - Conceptual Illustration **Credits: 3**
- ART 399 - Select Topics in Studio Art **Credits: 3** (topics vary; approved design courses may be allowed)
- ART 489 - Special Problems in Art **Credits: 1-6** (topics vary; approved design courses may be allowed)

Art Major, Interactive Media Design Emphasis, B.A./B.S.

45 hours; 2.0 major GPA required

Required Courses (39 hours)

- ART 103 - Color and Design **Credits: 3**
- ARTD 231 - Introduction to Graphic Design **Credits: 3**
- ARTD 232 - Typography **Credits: 3**
- ART 273 - Intro to Photography **Credits: 3**
- ARTD 275 - Computer Graphic Arts **Credits: 3**
- ARTD 381 - Interactive Web Design **Credits: 3**
- ARTD 382 - Interactive Graphics **Credits: 3**
- ARTD 481 - Advanced Web Design **Credits: 3**
- ARTD 494 - Senior Design Seminar **Credits: 3**
- ARTH 221 - Art History I **Credits: 3**
- ARTH 222 - Art History II **Credits: 3**

Select two upper-level Art History courses **Credits: 6**

- ARTH 323 - Ancient Greek Art **Credits: 3**
- ARTH 327 - Medieval Art **Credits: 3**
- ARTH 335 - Asian Art **Credits: 3**
- ARTH 343 - Renaissance Art **Credits: 3**

- ARTH 344 - Baroque Art **Credits: 3**
- ARTH 353 - 19th Century Art **Credits: 3**
- ARTH 354 - 20th Century Art **Credits: 3**
- ARTH 355 - Contemporary Art **Credits: 3**
- ARTH 490 - Special Problems in Art History **Credits: 3**

Directed electives (6 hours)

Selected from the following:

- ARTD 332 - Digital Illustration **Credits: 3**
- ARTD 372 - Video Art **Credits: 3**
- ARTD 376 - Graphic Design II **Credits: 3**
- ARTD 378 - History of Graphic Design **Credits: 3**
- ARTD 383 - Advanced Digital Photo Imaging **Credits: 3**
- ARTD 482 - Motion Graphics **Credits: 3**
- ART 399 - Select Topics in Studio Art **Credits: 3** (topics vary; approved design courses may be allowed)
- ART 489 - Special Problems in Art **Credits: 1-6** (topics vary; approved design courses may be allowed)

Art Major, Photography Emphasis, B.A./B.S.

45 hours; 2.0 major GPA required

Required Courses (33 hours)

- ART 103 - Color and Design **Credits: 3**
- ART 273 - Intro to Photography **Credits: 3**
- ART 374 - Photography II **Credits: 3**
- ART 473 - Photography III **Credits: 3**
- ARTD 274 - Introduction to Digital Photo Imaging **Credits: 3**
- ARTD 383 - Advanced Digital Photo Imaging **Credits: 3**
- ARTH 221 - Art History I **Credits: 3**
- ARTH 222 - Art History II **Credits: 3**

- ART 493 - Senior Art Seminar **Credits: 3 or**
- ARTD 494 - Senior Design Seminar **Credits: 3**

Select two upper-level Art History courses **Credits: 6**

- ARTH 323 - Ancient Greek Art **Credits: 3**
- ARTH 327 - Medieval Art **Credits: 3**
- ARTH 335 - Asian Art **Credits: 3**
- ARTH 343 - Renaissance Art **Credits: 3**
- ARTH 344 - Baroque Art **Credits: 3**
- ARTH 353 - 19th Century Art **Credits: 3**
- ARTH 354 - 20th Century Art **Credits: 3**
- ARTH 355 - Contemporary Art **Credits: 3**
- ARTH 490 - Special Problems in Art History **Credits: 3**

Directed electives (12 hours)

Selected from the following (nine credit hours must be upper-level):

Lower-level courses (no more than one course):

- ART 104 - Design in Materials **Credits: 3**
- ART 105 - Drawing I **Credits: 3**
- ARTD 231 - Introduction to Graphic Design **Credits: 3**
- ARTD 275 - Computer Graphic Arts **Credits: 3**

Upper-level courses:

- ART 311 - Painting I **Credits: 3**
- ART 313 - Ceramics I **Credits: 3**
- ART 341 - Sculpture I **Credits: 3**
- ART 351 - Woodworking I **Credits: 3**
- ART 361 - Printmaking I **Credits: 3**
- ART 399 - Select Topics in Studio Art **Credits: 3** (topics vary; approved photography courses may be allowed)
- ART 474 - Photography IV **Credits: 3**
- ART 489 - Special Problems in Art **Credits: 1-6** (approved Photography topic)
- ARTD 332 - Digital Illustration **Credits: 3**
- ARTD 372 - Video Art **Credits: 3**
- ARTD 381 - Interactive Web Design **Credits: 3**
- ARTD 382 - Interactive Graphics **Credits: 3**
- ARTD 431 - Narrative Illustration **Credits: 3**
- ARTD 482 - Motion Graphics **Credits: 3**

Art Major, Studio Emphasis, B.A./B.S.

45 hours; 2.0 major GPA required

Required Courses (33 hours)

- ART 103 - Color and Design **Credits: 3**
- ART 104 - Design in Materials **Credits: 3**
- ART 105 - Drawing I **Credits: 3**
- ART 106 - Drawing and Composition **Credits: 3**
- ART 205 - Figure Drawing I **Credits: 3**
- ART 206 - Figure Drawing II **Credits: 3**
- ART 493 - Senior Art Seminar **Credits: 3**
- ARTH 221 - Art History I **Credits: 3**
- ARTH 222 - Art History II **Credits: 3**

Two upper-level Art History courses **Credits: 6**

- ARTH 323 - Ancient Greek Art **Credits: 3**
- ARTH 327 - Medieval Art **Credits: 3**
- ARTH 335 - Asian Art **Credits: 3**
- ARTH 343 - Renaissance Art **Credits: 3**
- ARTH 344 - Baroque Art **Credits: 3**

- ARTH 353 - 19th Century Art **Credits: 3**
- ARTH 354 - 20th Century Art **Credits: 3**
- ARTH 355 - Contemporary Art **Credits: 3**
- ARTH 490 - Special Problems in Art History **Credits: 3**

Elective Courses (12 hours)

Select 12 credit hours from art course offerings, as directed by advisor.

Note(s):

ARTH 221 - Art History I, and ARTH 222 - Art History II, count for the UCC C4 Western Culture category (previously as HUM 221 and HUM 222) and ARTH 221 also counts as part of Core 39.

Visual Art P-12 Teaching Major, B.A./B.S.

Teaching Major Grade & GPA Requirement

Students completing a teaching major must earn at least a 2.75 cumulative GPA, a 2.75 major GPA, and a grade of C or better in all courses applied toward degree requirements.

Teacher Certification (Art)

Note: Review the College of Liberal Arts Teacher Certification Policy in the College of Liberal Arts section of this bulletin. Also, review the procedures and regulations for students in teaching programs in the Pott College of Science, Engineering, and Education section of the bulletin.

Visual Art Teaching (P-12) (55 hours)

Required Courses (49 hours)

- ART 103 - Color and Design **Credits: 3**
- ART 104 - Design in Materials **Credits: 3**
- ART 105 - Drawing I **Credits: 3**
- ART 205 - Figure Drawing I **Credits: 3**

- ARTD 274 - Introduction to Digital Photo Imaging **Credits: 3 or**
- ARTD 275 - Computer Graphic Arts **Credits: 3**

- ART 311 - Painting I **Credits: 3**
- ART 313 - Ceramics I **Credits: 3**
- ART 315 - Jewelry I **Credits: 3**

- ART 341 - Sculpture I **Credits: 3 or**
- ART 351 - Woodworking I **Credits: 3**

- ART 361 - Printmaking I **Credits: 3**
- ARTE 394 - Workshop in Art Education **Credits: 1**
- ARTE 396 - Materials and Methods in Elementary and Middle School Art Education **Credits: 3**
- ARTE 397 - Materials and Methods in Secondary Art Education **Credits: 3**
- ARTH 221 - Art History I **Credits: 3**
- ARTH 222 - Art History II **Credits: 3**

Select two upper-level Art History courses **Credits: 6**

- ARTH 323 - Ancient Greek Art **Credits: 3**
- ARTH 327 - Medieval Art **Credits: 3**
- ARTH 335 - Asian Art **Credits: 3**
- ARTH 343 - Renaissance Art **Credits: 3**
- ARTH 344 - Baroque Art **Credits: 3**
- ARTH 353 - 19th Century Art **Credits: 3**
- ARTH 354 - 20th Century Art **Credits: 3**
- ARTH 355 - Contemporary Art **Credits: 3**
- ARTH 490 - Special Problems in Art History **Credits: 3**

Elective Courses (6 hours)

Select 6 credit hours from art course offerings, as directed by advisor.

P-12 Education Licensure minor

Students seeking a teaching major that leads to licensure in all grades (P-12) are required to complete the P-12 Education Licensure Minor.

Visual Art Teaching Major, B.A./B.S.

A secondary education teaching major (grades 5-12)

Teaching Major Grade & GPA Requirement

Students completing a teaching major must earn at least a 2.75 cumulative GPA, a 2.75 major GPA, and a grade of C or better in all courses applied toward degree requirements.

Teacher Certification (Art)

Note: Review the College of Liberal Arts Teacher Certification Policy in the College of Liberal Arts section of this bulletin. Also, review the procedures and regulations for students in teaching programs in the Pott College of Science, Engineering, and Education section of the bulletin.

Visual Art (Teaching) (51 hours)

Required Courses (45 hours)

- ART 103 - Color and Design **Credits: 3**
- ART 104 - Design in Materials **Credits: 3**
- ART 105 - Drawing I **Credits: 3**
- ART 205 - Figure Drawing I **Credits: 3**

- ARTD 274 - Introduction to Digital Photo Imaging **Credits: 3 or**
- ARTD 275 - Computer Graphic Arts **Credits: 3**

- ART 311 - Painting I **Credits: 3**
- ART 313 - Ceramics I **Credits: 3**
- ART 315 - Jewelry I **Credits: 3**

- ART 341 - Sculpture I **Credits: 3 or**
- ART 351 - Woodworking I **Credits: 3**

- ART 361 - Printmaking I **Credits: 3**
- ARTE 397 - Materials and Methods in Secondary Art Education **Credits: 3**
- ARTH 221 - Art History I **Credits: 3**
- ARTH 222 - Art History II **Credits: 3**

- Select two upper-level Art History courses **Credits: 6**
- ARTH 323 - Ancient Greek Art **Credits: 3**
- ARTH 327 - Medieval Art **Credits: 3**
- ARTH 335 - Asian Art **Credits: 3**
- ARTH 343 - Renaissance Art **Credits: 3**
- ARTH 344 - Baroque Art **Credits: 3**
- ARTH 353 - 19th Century Art **Credits: 3**
- ARTH 354 - 20th Century Art **Credits: 3**
- ARTH 355 - Contemporary Art **Credits: 3**
- ARTH 490 - Special Problems in Art History **Credits: 3**

Elective Courses (6 hours)

Select 6 credit hours from art course offerings, as directed by advisor.

Secondary Education Licensure minor

Students seeking a teaching major that leads to licensure as a secondary school teacher (grades 5-12) are required to complete the Secondary Education Licensure Minor.

Art History Minor

24 hours; 2.0 minor GPA required

Required Courses (9 hours)

- ARTH 221 - Art History I **Credits: 3**
- ARTH 222 - Art History II **Credits: 3**

- ARTH 490 - Special Problems in Art History **Credits: 3**

Choose four courses (12 hours)

- ARTH 323 - Ancient Greek Art **Credits: 3**
- ARTH 327 - Medieval Art **Credits: 3**
- ARTH 343 - Renaissance Art **Credits: 3**
- ARTH 344 - Baroque Art **Credits: 3**
- ARTH 353 - 19th Century Art **Credits: 3**
- ARTH 354 - 20th Century Art **Credits: 3**
- ARTH 355 - Contemporary Art **Credits: 3**

Choose one of the following (3 hours)

- ART 103 - Color and Design **Credits: 3**
- ART 104 - Design in Materials **Credits: 3**
- ARTH 323 - Ancient Greek Art **Credits: 3**
- ARTH 327 - Medieval Art **Credits: 3**
- ARTH 343 - Renaissance Art **Credits: 3**
- ARTH 344 - Baroque Art **Credits: 3**
- ARTH 353 - 19th Century Art **Credits: 3**
- ARTH 354 - 20th Century Art **Credits: 3**
- ARTH 355 - Contemporary Art **Credits: 3**
- ARTH 490 - Special Problems in Art History **Credits: 3**

Art Teaching (Elementary/Secondary) Minor

24 hours; 2.75 minor GPA required

Teacher Certification (Art)

Note: Review the College of Liberal Arts Teacher Certification Policy in the College of Liberal Arts section of this bulletin. Also, review the procedures and regulations for students in teaching programs in the Pott College of Science, Engineering, and Education section of the bulletin.

Required Courses

- ART 103 - Color and Design **Credits: 3**
- ART 104 - Design in Materials **Credits: 3**
- ART 105 - Drawing I **Credits: 3**
- ART 205 - Figure Drawing I **Credits: 3**
- ART 315 - Jewelry I **Credits: 3**
- ART 341 - Sculpture I **Credits: 3**
- ARTH 221 - Art History I **Credits: 3**

- ARTE 396 - Materials and Methods in Elementary and Middle School Art Education **Credits: 3**

or

- ARTE 397 - Materials and Methods in Secondary Art Education **Credits: 3**

Graphic Design Minor

24 hours; 2.0 minor GPA required

Required Courses (18 hours)

- ART 105 - Drawing I **Credits: 3**
- ARTD 231 - Introduction to Graphic Design **Credits: 3**
- ARTD 232 - Typography **Credits: 3**
- ARTD 275 - Computer Graphic Arts **Credits: 3**
- ARTH 221 - Art History I **Credits: 3**
- ARTH 222 - Art History II **Credits: 3**

Elective Courses (6 hours)

- ARTD 331 - Illustration Techniques **Credits: 3**
- ARTD 332 - Digital Illustration **Credits: 3**
- ARTD 376 - Graphic Design II **Credits: 3**
- ARTD 378 - History of Graphic Design **Credits: 3**
- ARTD 381 - Interactive Web Design **Credits: 3**
- ARTD 382 - Interactive Graphics **Credits: 3**
- ARTD 383 - Advanced Digital Photo Imaging **Credits: 3**
- ARTD 475 - Graphic Design III **Credits: 3**
- ART 399 - Select Topics in Studio Art **Credits: 3** (may be approved if topic is offered with design content)

Studio Art Minor

24 hours; 2.0 minor GPA required

Required Courses (15 hours)

- ART 103 - Color and Design **Credits: 3**
- ART 104 - Design in Materials **Credits: 3**
- ART 105 - Drawing I **Credits: 3**
- ARTH 221 - Art History I **Credits: 3**
- ARTH 222 - Art History II **Credits: 3**

Elective Courses (9 hours)

At least 6 credit hours must be upper-level

- ART 205 - Figure Drawing I **Credits: 3** or
- ART 273 - Intro to Photography **Credits: 3**

- ART 311 - Painting I **Credits: 3**
- ART 312 - Painting II **Credits: 3**
- ART 411 - Painting III **Credits: 3**
- ART 313 - Ceramics I **Credits: 3**
- ART 314 - Ceramics II **Credits: 3**
- ART 413 - Ceramics III **Credits: 3**
- ART 315 - Jewelry I **Credits: 3**
- ART 316 - Jewelry II **Credits: 3**
- ART 415 - Jewelry III **Credits: 3**
- ART 341 - Sculpture I **Credits: 3**
- ART 342 - Sculpture II **Credits: 3**
- ART 441 - Sculpture III **Credits: 3**
- ART 351 - Woodworking I **Credits: 3**
- ART 352 - Woodworking II **Credits: 3**
- ART 451 - Woodworking III **Credits: 3**
- ART 361 - Printmaking I **Credits: 3**
- ART 362 - Printmaking II **Credits: 3**
- ART 461 - Printmaking III **Credits: 3**

Center for Interdisciplinary Studies

The Center for Interdisciplinary Studies houses academic programs of an interdisciplinary nature, including the International Studies Major, Classical Studies Minor, Gender Studies Minor, and Humanities. Courses belonging to interdisciplinary majors, minors, and other programs may be drawn from various departments in Liberal Arts, such as LATN 101 - Beginning Latin I, HIST 341 - Ancient Greece to Alexander, or have interdisciplinary designations such as HUM 211 - World Humanities I, INST 101 - Introduction to International Studies, or GNDR 111 - Intro to Gender Studies. In addition to fulfilling requirements of the major and minor programs housed in the Center, interdisciplinary courses may fulfill Core 39 courses such as HUM 211 (Ways of Knowing-World Languages and Culture), GNDR 111 (Ways of Knowing-Social Inquiry; Embedded Experience-Diversity).

Following certain course descriptions are the designations: fall, spring, summer which indicate terms in which the course is normally offered and are intended as an aid to students planning their programs of study.

International Studies Major, B.A.

The International Studies major is an interdisciplinary course of study, including a 39-hour major, a 39-hour Core 39 requirement, and open electives. Students also will complete a minimum of two years (four semesters) or equivalent study in one non-English world language. International study or work is strongly recommended.

The International Studies Bachelor of Arts degree consists of existing courses offered in the College of Liberal Arts, the Romain College of Business, and the Pott College of Science and Engineering. All students will complete a common core of seven courses from five different disciplines. These courses are: INST 101 - Introduction to International Studies, ANTH 111 - Introduction to World Cultures, ECON 241 - Global Economic Issues, POLS 271 - International Politics, GEOG 330 - World Geography, HIST 112 - World Civilizations II, 1500-Present, and INST 497 - International Studies Capstone. These are followed by six electives drawn from various disciplines. The 18 hours of coursework must include no more than two courses from any one discipline, except the International Studies discipline, ensuring that students are exposed to a minimum of three disciplines, making this a truly interdisciplinary major. Additional special topics courses may be approved for elective credit. Consult the International Studies advisor for approval. Course descriptions for the core courses and electives may be found under their specific disciplines.

International Studies Major (39 hours)

2.0 major GPA required

Major Core Courses (21 hours)

- INST 101 - Introduction to International Studies **Credits: 3**
- HIST 112 - World Civilizations II, 1500-Present **Credits: 3**
- ANTH 111 - Introduction to World Cultures **Credits: 3**
- ECON 241 - Global Economic Issues **Credits: 3**
- POLS 271 - International Politics **Credits: 3**
- GEOG 330 - World Geography **Credits: 3**
- INST 497 - International Studies Capstone **Credits: 3**

Electives (18 hours)

Choose six courses from the following, with no more than two courses from any one discipline except International Studies.

Anthropology

- ANTH 324 - Peoples of Asia **Credits: 3**
- ANTH 325 - Peoples of Latin America **Credits: 3**

Art

- ARTH 253 - Art of Ancient Mexico **Credits: 3**

Biology

- BIOL 251 - Environmental Conservation **Credits: 3**

Communications

- CMST 317 - Intercultural Communication **Credits: 3**

Economics

- ECON 341 - International Trade **Credits: 3**
- ECON 343 - International Finance **Credits: 3**
- ECON 346 - Development Economics **Credits: 3**

English

- ENG 313 - Introduction to Linguistics **Credits: 3**
- ENG 371 - Non-Western World Literature **Credits: 3**
- ENG 372 - Western World Literature **Credits: 3**

- ENG 375 - Modern Canadian Literature **Credits: 3**
- ENG 386 - World Mythology **Credits: 3**
- ENG 451 - Shakespeare's Histories and Tragedies **Credits: 3**

French

- FREN 306 - Advanced French I **Credits: 3**
- FREN 307 - Advanced French II **Credits: 3**
- FREN 325 - Introduction to Francophone Literature **Credits: 3**
- FREN 344 - Francophone Literature in Translation **Credits: 3**
- FREN 415 - French Civilization **Credits: 3**
- FREN 416 - 17th and 18th Centuries French Literature **Credits: 3**
- FREN 417 - 19th and 20th Centuries French Literature **Credits: 3**

German

- GERM 306 - Advanced German I **Credits: 3**
- GERM 307 - Advanced German II **Credits: 3**
- GERM 325 - Introduction to German Literature **Credits: 3**
- GERM 334 - Introduction to Modern German Drama **Credits: 3**
- GERM 344 - Germanic Literature in Translation **Credits: 3**
- GERM 412 - Berlin: Tale of a City **Credits: 3**

History

- HIST 111 - World Civilizations I, Beginnings to 1500 **Credits: 3**
- HIST 140 - Issues in World History **Credits: 3**
- HIST 332 - Modern Latin American History **Credits: 3**
- HIST 333 - Gender in Latin American History **Credits: 3**
- HIST 334 - U.S.-Latin American Relations **Credits: 3**
- HIST 341 - Ancient Greece to Alexander **Credits: 3**
- HIST 342 - The Hellenistic Age, Alexander to the Roman Conquest, 338-31 B.C. **Credits: 3**
- HIST 343 - The Roman Republic **Credits: 3**
- HIST 344 - The Roman Empire **Credits: 3**
- HIST 345 - Medieval Europe, 500-1300 **Credits: 3**
- HIST 346 - The Renaissance, Dante to 1600 **Credits: 3**
- HIST 347 - The Reformation, Wyclif to 1648 **Credits: 3**
- HIST 348 - Europe, 1648 through Napoleon **Credits: 3**
- HIST 349 - Europe, Napoleon to World War I **Credits: 3**
- HIST 351 - Europe, World War I to the Present **Credits: 3**
- HIST 353 - England to 1600 **Credits: 3**
- HIST 354 - Britain since 1600 **Credits: 3**
- HIST 362 - History of Paris **Credits: 3**
- HIST 365 - Crusades **Credits: 3**
- HIST 371 - Tsarist Russia **Credits: 3**
- HIST 372 - The Soviet Union **Credits: 3**
- HIST 375 - The Middle East from the Rise of Islam to 1500 **Credits: 3**

- HIST 376 - The Middle East since 1500 **Credits: 3**
- HIST 377 - History of Iran **Credits: 3**
- HIST 384 - History of Africa to 1800 **Credits: 3**
- HIST 385 - History of Africa since 1800 **Credits: 3**
- HIST 392 - History of Japan **Credits: 3**
- HIST 393 - History of China to 1644 **Credits: 3**
- HIST 394 - History of China since 1644 **Credits: 3**
- HIST 410 - Topics in World History **Credits: 3**
- HIST 420 - Topics in European History **Credits: 3**
- HIST 433 - American Foreign Relations to 1900 **Credits: 3**
- HIST 434 - American Foreign Relations Since 1900 **Credits: 3**
- HIST 451 - French Revolution and Napoleon **Credits: 3**
- HIST 452 - European Revolutions **Credits: 3**

International Studies Courses

- INST 213 - Magic in Arts/Humanities **Credits: 3**
- INST 302 - Travel Writing **Credits: 3**
- INST 371 - Non-Western World Literature **Credits: 3**
- INST 372 - Western World Literature **Credits: 3**
- INST 470 - Special Topics in International, Interdisciplinary Studies **Credits: 3**
- INST 473 - International Law **Credits: 3**
- INST 480 - Internship in International Studies **Credits: 3-6**
- INST 490 - Independent Study in International Studies **Credits: 3**
- INST 499 - International Field Experience **Credits: 3**

Japanese

- JPN 306 - Advanced Japanese I **Credits: 3**
- JPN 307 - Advanced Japanese II **Credits: 3**

Political Science

- POLS 281 - Comparative Politics **Credits: 3**
- POLS 371 - The United Nations **Credits: 3**
- POLS 383 - Government and Politics of Latin America **Credits: 3**
- POLS 384 - The Middle East **Credits: 3**
- POLS 471 - International Organizations **Credits: 3**
- POLS 473 - International Law **Credits: 3**

Spanish

- SPAN 306 - Advanced Spanish I **Credits: 3**
- SPAN 307 - Advanced Spanish II **Credits: 3**
- SPAN 308 - Hispanic Cultures **Credits: 3**
- SPAN 325 - Introduction to Hispanic Literature **Credits: 3**
- SPAN 332 - US Latino Literature and Culture **Credits: 3**

- SPAN 333 - Afro-Latin American Studies **Credits: 3**
- SPAN 344 - Hispanic Literature in Translation **Credits: 3**
- SPAN 402 - Composition and Stylistics **Credits: 3**
- SPAN 411 - Spanish Linguistics I **Credits: 3**
- SPAN 412 - Spanish Linguistics II **Credits: 3**
- SPAN 413 - Spanish American Narrative **Credits: 3**
- SPAN 414 - Hispanic Poetry **Credits: 3**
- SPAN 415 - The Hispanic Essay **Credits: 3**
- SPAN 417 - Hispanic Drama **Credits: 3**
- SPAN 454 - Golden Age Drama **Credits: 3**

Arts and Heritage Administration Minor

21 hours; 2.0 minor GPA required

Required Courses (12 hours)

- AHA 201 - Introduction to Arts and Heritage Administration **Credits: 3**
- AHA 251 - Computer Applications for Public and Non-Profit Organizations **Credits: 3 or**
- CIS 151 - Computer Applications in Business **Credits: 3**
- AHA 301 - Advanced Studies in Arts and Heritage Administration **Credits: 3**
- ENG 319 - Fundamentals of Grant Writing **Credits: 3**

Required Internship (3 hours)

Students planning to complete an internship in a specific discipline should consult the chair of the specific program well in advance to determine their eligibility.

- AHA 499 - Internship/Intensive Study in Arts and Heritage Administration **Credits: 3**
- ANTH 499 - Internship in Anthropology **Credits: 3**
- ART 498 - Internship in Art **Credits: 3**
- HIST 490 - Internship/Special Studies in History **Credits: 1-3**
- THTR 498 - Internship in Theatre **Credits: 3**

Directed Electives (6 hours)

Choose two courses from:

- CMST 204 - Business and Professional Communication **Credits: 3**
- MKTG 201 - Introduction to Marketing **Credits: 3**
- MNGT 201 - Survey of Management **Credits: 3**
- PHIL 312 - Ethics in the Professions **Credits: 3**

Classical Studies Minor

21 hours; 2.0 minor GPA required

Required courses (6 hours)

- LATN 203 - Intermediate Latin I **Credits: 3**
- LATN 204 - Intermediate Latin II **Credits: 3**

Elective courses (15 hours)

Ancient Greek and/or Roman history (9 hours)

- HIST 341 - Ancient Greece to Alexander **Credits: 3**
- HIST 342 - The Hellenistic Age, Alexander to the Roman Conquest, 338-31 B.C. **Credits: 3**
- HIST 343 - The Roman Republic **Credits: 3**
- HIST 344 - The Roman Empire **Credits: 3**
- HIST 398 - Historiography **Credits: 3**
Topics for HIST410 and HIST499 vary; only Greek or Roman topics are eligible.
- HIST 410 - Topics in World History **Credits: 3**
- HIST 499 - Senior Seminar in World History **Credits: 3**

Art, Culture, and Literature (6 hours)

From course offerings on the Art and Culture of the Greek and Roman worlds.

- ANTH 370 - Cultural Anthropology Seminar **Credits: 3** (approved topic: Archaeology of Greece)
- ARTH 323 - Ancient Greek Art **Credits: 3**
- ARTH 490 - Special Problems in Art History **Credits: 3** (approved topic: Hellenistic Art)
- ENG 286 - Classical Mythology **Credits: 3**
- ENG 499 - Seminar in Literature and Language **Credits: 3** (approved topic: Greek Tragedy)
- LATN 390 - Independent Study in Latin **Credits: 3**
- PHIL 350 - History of Philosophy I **Credits: 3**

Gender Studies Minor

18 hours; 2.0 minor GPA required

Gender Studies seeks to advance understanding of the meaning and role of gender in social life. Doing so requires looking at gender against the backdrop of cultural, political, historical, and social institutions, and in relation to other influences such as class, race, sexuality, and nationality. As such, Gender Studies is inherently interdisciplinary, with courses offered in numerous departments and schools.

Required courses (6 hours)

- GNDR 111 - Intro to Gender Studies **Credits: 3**
- GNDR 333 - Perspectives on Gender **Credits: 3**

Elective courses (12 hours)

- CMST 402 - Gender, Communication, and Culture **Credits: 3**
- ECON 351 - Labor Economics **Credits: 3**
- ENG 288 - Introduction to Women in Literature **Credits: 3**
- ENG 387 - Women's Literature and Gender Issues: 19th- and 20th-Century Theory **Credits: 3**
- GNDR 449 - Special Topics: Gender Studies **Credits: 3**
- HIST 311 - Women and Gender in America **Credits: 3**
- HIST 398 - Historiography **Credits: 3** (Approved topics: Medieval Women; Women in Antiquity)
- LIBA 497 - Capstone Studies **Credits: 3** (Approved topics: Women, Art, and Society; Parents and Children)
- MNGT 444 - Managing Diversity in Organizations **Credits: 3**
- PHIL 364 - Gender and Philosophy **Credits: 3**
- PHIL 365 - Sexual Ethics **Credits: 3**
- PSY 298 - Human Sexuality **Credits: 3**
- PSY 381 - Psychology of Gender **Credits: 3**
- SOC 261 - Marriage and Family **Credits: 3**
- SOC 431 - Gender and Society **Credits: 3**
- SOCW 400 - Special Topics in Human Service Practice **Credits: 3**

International Studies Minor

18 hours; 2.0 minor GPA required

Required Courses (9 hours)

- ECON 241 - Global Economic Issues **Credits: 3**
- HIST 112 - World Civilizations II, 1500-Present **Credits: 3**
- POLS 271 - International Politics **Credits: 3**

Electives (9 hours)

Nine hours of advisor approved upper-level electives.

Additional requirement

This minor also requires the completion of the language requirement for a Bachelor of Arts degree: 12 hours (or the equivalent of the fourth semester or beyond) in a non-English world language.

Communications

Communications is one of the most dynamic industries in the nation, employing more than a million people and providing hundreds of different career opportunities.

The Communications faculty has developed four different majors to assist students in selecting courses according to individual interests and career goals. Students may select a Bachelor of Arts or Bachelor of Science degree.

The Bachelor of Arts degree requires 12 credit hours in the same non-English world language or demonstration of proficiency at that level of study.

In order to enroll for any communications internship, a student must be of junior or senior standing and have consent of instructor.

Communications majors must earn 1) a 2.25 GPA for major coursework, and 2) a grade of C or better in any course applied toward any major or minor in the Department of Communications.

The mass communication majors of public relations and advertising, journalism, and radio and television adhere to the guidelines of the Accrediting Council for Education in Journalism and Mass Communication. Students in these three majors must take a minimum of 72 hours in courses outside of these majors. No more than 16 credit hours of lower division mass communication coursework (100-200 level) may be counted in the major.

Students in the three mass communication majors are required to take six hours of cognates: a three-hour course in gender studies and a three-hour course in ethnic diversity; both are subject to approval by students' academic advisors.

Because of the 72-hour rule, mass communication majors who seek a double major in mass communications or who select a mass communication minor may need additional credit hours to graduate. No more than 12 credit hours of mass communication courses taken at a two-year college may be transferred into a mass communication degree program. Mass communication transfer courses not accepted toward the major cannot be used as elective credit toward the overall hours required for a bachelor's degree. Students in the three mass communication majors must pass the department's grammar, spelling, and punctuation examination prior to being admitted to junior- and senior-level classes in the major; however, the GSP test is waived if a student earns a minimum C for ENG 101 and ENG 201.

Communication Studies Major, B.A./B.S.

36 hours; C or better required in all courses; 2.25 major GPA required

Communication Studies connects two important aspects of a USI education: the liberal arts and the professional preparation. By incorporating writing, speaking, and computer-mediated communications across the curriculum, the communication studies program explores communication in various contexts and forms.

Communication Studies faculty work with students so they can meet the current needs of business and industry leaders who demand that college graduates demonstrate effective communication skills, problem-solving abilities, and leadership experience in addition to the ability to think critically and conceptually. Students emerge from the major in communication studies as proficient, critical consumers and producers of messages and interactions at the personal, social, civic, and professional levels.

Graduates pursue various careers. Many work in sales, retail management, non-profit organizations, human resources, corporate training programs, government agencies, and the healthcare industry, while others own businesses or attend graduate school.

Required Courses (15 hours)

- CMST 107 - Introduction to Interpersonal Communication **Credits: 3**
- CMST 201 - Introduction to Communication Studies **Credits: 3**
- CMST 203 - Introduction to Performance Studies **Credits: 3**
- CMST 204 - Business and Professional Communication **Credits: 3**
- CMST 301 - Communication Criticism and Analysis **Credits: 3**

Communication Studies Electives

21 hours as directed by advisor.

- CMST 214 - Group and Team Communication **Credits: 3**
- CMST 303 - Introduction to Persuasion **Credits: 3**
- CMST 308 - Rhetoric and Diversity **Credits: 3**
- CMST 313 - Advanced Performance Studies **Credits: 3**
- CMST 314 - Organizational Communication **Credits: 3**
- CMST 315 - Readers Theatre **Credits: 3**
- CMST 317 - Intercultural Communication **Credits: 3**
- CMST 318 - Conflict, Mediation and Negotiation **Credits: 3**
- CMST 400 - Independent Study in Communication Studies **Credits: 1-3**
- CMST 402 - Gender, Communication, and Culture **Credits: 3**
- CMST 407 - Communication and Healthcare **Credits: 3**
- CMST 414 - Oral Traditions **Credits: 3**
- CMST 427 - Family Communication **Credits: 3**
- CMST 489 - Internship in Communication Studies **Credits: 1-3**

The following courses are repeatable with different topics, but no more than 6 hrs of each course can apply toward the major:

- CMST 410 - Seminar in Interpersonal Communication **Credits: 3**
- CMST 420 - Seminar in Organizational Communication **Credits: 3**
- CMST 430 - Seminar in Rhetoric **Credits: 3**
- CMST 499 - Special Topics in Communication Studies **Credits: 3**

Additional Information

At least 21 hours in the major must be at the 300 and 400 level. For directed electives, no more than six hours may be taken from a combination of CMST 400 and CMST 489. For an internship, the student must seek permission of the Communications faculty and have second semester junior standing. Some upper-level CMST courses are offered biennially.

Journalism Major, B.A./B.S.

37 hours plus 6 hours of Cognates; C or better required in all courses; 2.25 major GPA required

Journalism prepares students for the world of news and information gathering, writing, editing, photography, design, and publishing for print, electronic broadcast, and online media. Students learn journalism skills along with professional values and ethical standards in courses where both convergence and diversity are emphasized. Graduates succeed in any field where writing and a command of the language are needed.

Mass Communication majors (Journalism, Public Relations and Advertising, Radio and Television) must adhere to the guidelines of the Accrediting Council for Education in Journalism and Mass Communication.

Required Foundation and Advanced Communications Core (10 hours)

- COMM 192 - Introduction to Mass Communication **Credits: 3**
- COMM 494 - Mass Communication Law and Ethics **Credits: 3**
- COMM 495 - Mass Communication Research **Credits: 3**
- COMM 497 - Career Planning and Professional Development **Credits: 1**

Required Visual, Design and Copyediting Sequence (6 hours)

- JRN 273 - Digital Photography **Credits: 3**

- JRN 374 - Internet Communications **Credits: 3 or**
- JRN 386 - Editing and Layout **Credits: 3**

Required Reporting, Writing, and Editing Sequence (9 hours)

- JRN 281 - Basic Reporting **Credits: 3**
- JRN 381 - Advanced Reporting **Credits: 3**
- JRN 481 - Reporting Public Affairs **Credits: 3**

Required Convergence Course (3 hours)

- JRN 388 - Online Journalism **Credits: 3**

Communications Electives (9-10 hours)

- ADV 347 - Advertising Copywriting **Credits: 3**
- COMM 477 - Comparative Structures of Mass Media in a Global Community **Credits: 3**
- JRN 180 - Journalism Workshop **Credits: 1** (one hour/semester, up to three hours total)
- JRN 371 - Advanced Photography **Credits: 3**
- JRN 374 - Internet Communications **Credits: 3**
- JRN 383 - Editorial Writing **Credits: 3**
- JRN 384 - Feature Writing **Credits: 3**
- JRN 386 - Editing and Layout **Credits: 3**
- JRN 400 - Independent Study in Journalism **Credits: 1-3** (up to three hours total)
- JRN 473 - Photojournalism **Credits: 3**
- JRN 484 - Literary Journalism **Credits: 3**
- JRN 488 - Digital Storytelling **Credits: 3**
- JRN 489 - Internship in Journalism **Credits: 1-3**
- JRN 496 - Media Ethics **Credits: 3**
- JRN 499 - Special Topics **Credits: 3**
- PRL 362 - Writing for Public Relations **Credits: 3**
- RTV 255 - Media Production **Credits: 3**

Communication Majors, Ethnic Cultures Cognate (3 hours)

Journalism majors may also select JRN 496 - Media Ethics

- ADV 499 - Special Topics **Credits: 3**
(approved ADV 499 topic: Advertising & Cultural Perceptions)
- CMST 308 - Rhetoric and Diversity **Credits: 3**
- CMST 317 - Intercultural Communication **Credits: 3**
- COMM 477 - Comparative Structures of Mass Media in a Global Community **Credits: 3**
- ENG 231 - African American Literature **Credits: 3**
- ENG 330 - Ethnic Literature in America **Credits: 3**
- JRN 499 - Special Topics **Credits: 3**
(approved JRN 499 topics: Covering Diverse Cultures; Diversity & Mass Media)

- LIBA 497 - Capstone Studies **Credits: 3**
(approved LIBA 497 topics: Racism in America; Art & Diversity/20th Cent; Hawaii/New Zealand)
- PRL 499 - Special Topics **Credits: 3**
(approved PRL 499 topic: PR in a Global Community)
- RTV 499 - Special Topics **Credits: 3**
(approved RTV 499 topic: Race, Ethnicity & the Media)
- SOC 370 - Seminar in Sociology **Credits: 3**
(approved SOC 370 topics: Globalization; Hate Groups/Hate Crimes; Race, Class, Gen-Pop Culture)
- SOC 421 - Race and Ethnicity **Credits: 3**

Communication Majors, Gender Studies Cognate (3 hours)

- CMST 402 - Gender, Communication, and Culture **Credits: 3**
- CMST 499 - Special Topics in Communication Studies **Credits: 3**
(approved CMST499 topic: Rhetoric of Family & Gender)
- ENG 288 - Introduction to Women in Literature **Credits: 3**
- ENG 387 - Women's Literature and Gender Issues: 19th- and 20th-Century Theory **Credits: 3**
- GNDR 111 - Intro to Gender Studies **Credits: 3**
- GNDR 333 - Perspectives on Gender **Credits: 3**
- GNDR 449 - Special Topics: Gender Studies **Credits: 3**
- HIST 311 - Women and Gender in America **Credits: 3**
- HIST 498 - Senior Seminar in American History **Credits: 3**
(approved HIST498 topic: Women/Gender to 1920)
- JRN 499 - Special Topics **Credits: 3**
(approved JRN 499 topic: Diversity & Mass Media)
- LIBA 497 - Capstone Studies **Credits: 3**
(approved LIBA497 topic: Women, Art & Society)
- PHIL 364 - Gender and Philosophy **Credits: 3**
- PSY 381 - Psychology of Gender **Credits: 3**
- RTV 499 - Special Topics **Credits: 3**
(approved RTV 499 topic: Media & Female Athletes)
- SOC 370 - Seminar in Sociology **Credits: 3**
(approved SOC 370 topics: Hate Groups/Hate Crimes; Race, Class, Gen-Pop Culture; Gender at Work; Women & Work)
- SOC 431 - Gender and Society **Credits: 3**

Additional Information

An internship in the print or electronic media and work on the campus newspaper, *The Shield*, is highly recommended.

Public Relations and Advertising Major, Advertising Emphasis B.A./B.S.

34 hours plus 6 hours of Cognates; C or better required in all courses; 2.25 major GPA required

Mass Communication majors (Journalism, Public Relations and Advertising, Radio and Television) must adhere to the guidelines of the Accrediting Council for Education in Journalism and Mass Communication.

Public Relations and Advertising Major

Students may choose either an emphasis in public relations or advertising, depending upon individual interests. By carefully selecting appropriate electives offered in the program, students may develop skills in both areas.

Required Core (13 hours)

- PRL 101 - Introduction to Public Relations **Credits: 3**
- ADV 101 - Introduction to Advertising **Credits: 3**
- COMM 494 - Mass Communication Law and Ethics **Credits: 3**
- COMM 495 - Mass Communication Research **Credits: 3**
- COMM 497 - Career Planning and Professional Development **Credits: 1**

Advertising Emphasis

The advertising emphasis prepares students for one of the fastest-growing fields in communications. Students acquire the essential skills of writing, design, advertising graphics, research, market analysis, media planning, promotions, integrated marketing campaigns, and communications theory. In addition to required courses, students may choose from a variety of directed communications electives to enhance their career objectives.

Required Advertising Courses (12 hours)

- ADV 335 - Advertising Strategy **Credits: 3**
- ADV 343 - Media Planning **Credits: 3**
- ADV 444 - Strategic Campaigns **Credits: 3 or**
- ADV 441 - Seminar in Integrated Marketing Communications **Credits: 3**
- ADV 446 - Seminar in Advertising **Credits: 3**

Electives for Advertising Emphasis (9 hours)

Advertising emphasis requires one of the following courses (3 hours):

- ADV 347 - Advertising Copywriting **Credits: 3**
- JRN 281 - Basic Reporting **Credits: 3**
- RTV 354 - Writing for Electronic Media **Credits: 3**

Plus 6 hours selected from:

- ADV 342 - Advertising Design **Credits: 3**
- ADV 346 - Special Events and Promotion **Credits: 3**
- ADV 347 - Advertising Copywriting **Credits: 3**
- ADV 400 - Independent Study in Advertising **Credits: 3**
- ADV 440 - Advanced Advertising Campaigns **Credits: 3**
- ADV 489 - Internship in Advertising **Credits: 1-3**
- ADV 499 - Special Topics **Credits: 3**
- COMM 190 - Computer Basics **Credits: 1**
- COMM 192 - Introduction to Mass Communication **Credits: 3 or**
- RTV 151 - Survey of Contemporary Broadcasting **Credits: 3**
- COMM 477 - Comparative Structures of Mass Media in a Global Community **Credits: 3**

- JRN 281 - Basic Reporting **Credits: 3**
- JRN 374 - Internet Communications **Credits: 3**
- JRN 384 - Feature Writing **Credits: 3**
- RTV 255 - Media Production **Credits: 3**
- RTV 354 - Writing for Electronic Media **Credits: 3**
- RTV 452 - Broadcast and Cable Sales **Credits: 3**
- PRL 366 - Seminar in Public Relations **Credits: 3**
- PRL 466 - Seminar in Public Opinion **Credits: 3**
- PRL 467 - Crisis Communications **Credits: 3**
- PRL 468 - Public Relations Campaigns **Credits: 3**
- PRL 499 - Special Topics **Credits: 3**

Communication Majors, Ethnic Cultures Cognate (3 hours)

Journalism majors may also select JRN 496 - Media Ethics

- ADV 499 - Special Topics **Credits: 3**
(approved ADV 499 topic: Advertising & Cultural Perceptions)
- CMST 308 - Rhetoric and Diversity **Credits: 3**
- CMST 317 - Intercultural Communication **Credits: 3**
- COMM 477 - Comparative Structures of Mass Media in a Global Community **Credits: 3**
- ENG 231 - African American Literature **Credits: 3**
- ENG 330 - Ethnic Literature in America **Credits: 3**
- JRN 499 - Special Topics **Credits: 3**
(approved JRN 499 topics: Covering Diverse Cultures; Diversity & Mass Media)
- LIBA 497 - Capstone Studies **Credits: 3**
(approved LIBA 497 topics: Racism in America; Art & Diversity/20th Cent; Hawaii/New Zealand)
- PRL 499 - Special Topics **Credits: 3**
(approved PRL 499 topic: PR in a Global Community)
- RTV 499 - Special Topics **Credits: 3**
(approved RTV 499 topic: Race, Ethnicity & the Media)
- SOC 370 - Seminar in Sociology **Credits: 3**
(approved SOC 370 topics: Globalization; Hate Groups/Hate Crimes; Race, Class, Gen-Pop Culture)
- SOC 421 - Race and Ethnicity **Credits: 3**

Communication Majors, Gender Studies Cognate (3 hours)

- CMST 402 - Gender, Communication, and Culture **Credits: 3**
- CMST 499 - Special Topics in Communication Studies **Credits: 3**
(approved CMST499 topic: Rhetoric of Family & Gender)
- ENG 288 - Introduction to Women in Literature **Credits: 3**
- ENG 387 - Women's Literature and Gender Issues: 19th- and 20th-Century Theory **Credits: 3**
- GNDR 111 - Intro to Gender Studies **Credits: 3**
- GNDR 333 - Perspectives on Gender **Credits: 3**
- GNDR 449 - Special Topics: Gender Studies **Credits: 3**
- HIST 311 - Women and Gender in America **Credits: 3**
- HIST 498 - Senior Seminar in American History **Credits: 3**
(approved HIST498 topic: Women/Gender to 1920)
- JRN 499 - Special Topics **Credits: 3**

(approved JRN 499 topic: Diversity & Mass Media)

- LIBA 497 - Capstone Studies **Credits: 3**
(approved LIBA497 topic: Women, Art & Society)
- PHIL 364 - Gender and Philosophy **Credits: 3**
- PSY 381 - Psychology of Gender **Credits: 3**
- RTV 499 - Special Topics **Credits: 3**
(approved RTV 499 topic: Media & Female Athletes)
- SOC 370 - Seminar in Sociology **Credits: 3**
(approved SOC 370 topics: Hate Groups/Hate Crimes; Race, Class, Gen-Pop Culture; Gender at Work; Women & Work)
- SOC 431 - Gender and Society **Credits: 3**

Additional Information for the Public Relations and Advertising Major

An internship in public relations or advertising is highly recommended. By interning with a public relations firm, advertising agency, or within corporate or not-for-profit departments, students network with professionals who help them polish their skills for entry into the fields.

Public Relations and Advertising Major, Public Relations Emphasis, B.A./B.S.

34 hours plus 6 hours of Cognates; C or better required in all courses; 2.25 major GPA required

Mass Communication majors (Journalism, Public Relations and Advertising, Radio and Television) must adhere to the guidelines of the Accrediting Council for Education in Journalism and Mass Communication.

Public Relations and Advertising Major

Students may choose either an emphasis in public relations or advertising, depending upon individual interests. By carefully selecting appropriate electives offered in the program, students may develop skills in both areas.

Required Core (13 hours)

- PRL 101 - Introduction to Public Relations **Credits: 3**
- ADV 101 - Introduction to Advertising **Credits: 3**
- COMM 494 - Mass Communication Law and Ethics **Credits: 3**
- COMM 495 - Mass Communication Research **Credits: 3**
- COMM 497 - Career Planning and Professional Development **Credits: 1**

Public Relations Emphasis

The public relations emphasis provides students with a background that includes the essential skills of writing and design to enter the rapidly growing public relations field. Students are prepared to advance in their careers through courses in research, strategy development, and integrated marketing campaigns. In addition to required courses, students may choose from a variety of directed communications electives to enhance their career objectives.

Required Public Relations Courses (12 hours)

- PRL 362 - Writing for Public Relations **Credits: 3**
- PRL 365 - Public Relations Administration **Credits: 3**

- PRL 368 - Strategic Writing **Credits: 3**
- PRL 468 - Public Relations Campaigns **Credits: 3**

Electives for Public Relations Emphasis (9 hours)

- ADV 342 - Advertising Design **Credits: 3**
- ADV 343 - Media Planning **Credits: 3**
- ADV 346 - Special Events and Promotion **Credits: 3**
- ADV 347 - Advertising Copywriting **Credits: 3**
- ADV 440 - Advanced Advertising Campaigns **Credits: 3**
- COMM 190 - Computer Basics **Credits: 1**

- COMM 192 - Introduction to Mass Communication **Credits: 3 or**
- RTV 151 - Survey of Contemporary Broadcasting **Credits: 3**

- COMM 477 - Comparative Structures of Mass Media in a Global Community **Credits: 3**
- JRN 281 - Basic Reporting **Credits: 3**
- JRN 374 - Internet Communications **Credits: 3**
- JRN 384 - Feature Writing **Credits: 3**
- PRL 364 - Publications Design **Credits: 3**
- PRL 366 - Seminar in Public Relations **Credits: 3**
- PRL 400 - Independent Study in Public Relations **Credits: 1-3**
- PRL 461 - Seminar in Integrated Marketing Communications **Credits: 3**
- PRL 465 - Institutional Advancement **Credits: 3**
- PRL 466 - Seminar in Public Opinion **Credits: 3**
- PRL 467 - Crisis Communications **Credits: 3**
- PRL 489 - Internship in Public Relations **Credits: 1-3**
- PRL 499 - Special Topics **Credits: 3**
- RTV 255 - Media Production **Credits: 3**
- RTV 354 - Writing for Electronic Media **Credits: 3**
- RTV 452 - Broadcast and Cable Sales **Credits: 3**

Communication Majors, Ethnic Cultures Cognate (3 hours)

Journalism majors may also select JRN 496 - Media Ethics

- ADV 499 - Special Topics **Credits: 3**
(approved ADV 499 topic: Advertising & Cultural Perceptions)
- CMST 308 - Rhetoric and Diversity **Credits: 3**
- CMST 317 - Intercultural Communication **Credits: 3**
- COMM 477 - Comparative Structures of Mass Media in a Global Community **Credits: 3**
- ENG 231 - African American Literature **Credits: 3**
- ENG 330 - Ethnic Literature in America **Credits: 3**
- JRN 499 - Special Topics **Credits: 3**
(approved JRN 499 topics: Covering Diverse Cultures; Diversity & Mass Media)
- LIBA 497 - Capstone Studies **Credits: 3**
(approved LIBA 497 topics: Racism in America; Art & Diversity/20th Cent; Hawaii/New Zealand)
- PRL 499 - Special Topics **Credits: 3**
(approved PRL 499 topic: PR in a Global Community)

- RTV 499 - Special Topics **Credits: 3**
(approved RTV 499 topic: Race, Ethnicity & the Media)
- SOC 370 - Seminar in Sociology **Credits: 3**
(approved SOC 370 topics: Globalization; Hate Groups/Hate Crimes; Race, Class, Gen-Pop Culture)
- SOC 421 - Race and Ethnicity **Credits: 3**

Communication Majors, Gender Studies Cognate (3 hours)

- CMST 402 - Gender, Communication, and Culture **Credits: 3**
- CMST 499 - Special Topics in Communication Studies **Credits: 3**
(approved CMST499 topic: Rhetoric of Family & Gender)
- ENG 288 - Introduction to Women in Literature **Credits: 3**
- ENG 387 - Women's Literature and Gender Issues: 19th- and 20th-Century Theory **Credits: 3**
- GNDR 111 - Intro to Gender Studies **Credits: 3**
- GNDR 333 - Perspectives on Gender **Credits: 3**
- GNDR 449 - Special Topics: Gender Studies **Credits: 3**
- HIST 311 - Women and Gender in America **Credits: 3**
- HIST 498 - Senior Seminar in American History **Credits: 3**
(approved HIST498 topic: Women/Gender to 1920)
- JRN 499 - Special Topics **Credits: 3**
(approved JRN 499 topic: Diversity & Mass Media)
- LIBA 497 - Capstone Studies **Credits: 3**
(approved LIBA497 topic: Women, Art & Society)
- PHIL 364 - Gender and Philosophy **Credits: 3**
- PSY 381 - Psychology of Gender **Credits: 3**
- RTV 499 - Special Topics **Credits: 3**
(approved RTV 499 topic: Media & Female Athletes)
- SOC 370 - Seminar in Sociology **Credits: 3**
(approved SOC 370 topics: Hate Groups/Hate Crimes; Race, Class, Gen-Pop Culture; Gender at Work; Women & Work)
- SOC 431 - Gender and Society **Credits: 3**

Additional Information for the Public Relations and Advertising Major

An internship in public relations or advertising is highly recommended. By interning with a public relations firm, advertising agency, or within corporate or not-for-profit departments, students network with professionals who help them polish their skills for entry into the fields.

Radio and Television Major, B.A./B.S.

37 hours plus 6 hours of Cognates; C or better required in all courses; 2.25 major GPA required

This major combines telecommunications history and theory with practical broadcast applications. Students acquire knowledge and understanding of the broadcast processes and on-air performing skills, utilizing facilities in both the campus radio station WSWI-AM and the Scripps Howard Video Production Complex.

Mass Communication majors (Journalism, Public Relations and Advertising, Radio and Television) must adhere to the guidelines of the Accrediting Council for Education in Journalism and Mass Communication.

Required Core (25 hours)

- RTV 151 - Survey of Contemporary Broadcasting **Credits: 3**
- RTV 255 - Media Production **Credits: 3**
- RTV 256 - Broadcast Journalism **Credits: 3**
- RTV 351 - Radio-Television Performance **Credits: 3**
- RTV 354 - Writing for Electronic Media **Credits: 3**
- RTV 457 - Key Issues in Telecommunications **Credits: 3**
- COMM 494 - Mass Communication Law and Ethics **Credits: 3**
- COMM 495 - Mass Communication Research **Credits: 3**
- COMM 497 - Career Planning and Professional Development **Credits: 1**

Directed Electives (12 hours)

Choose two or three courses (6-9 hours)

- RTV 451 - Radio-Television Programming **Credits: 3**
- RTV 452 - Broadcast and Cable Sales **Credits: 3**
- RTV 453 - Broadcast and Cable Management **Credits: 3**

Choose 3-6 hours to complete 12 hours of electives

- ADV 101 - Introduction to Advertising **Credits: 3**
- RTV 352 - Advanced Television Studio Producing and Directing **Credits: 3**
- RTV 353 - Advanced Video Field Production **Credits: 3**
- RTV 356 - Sportscasting **Credits: 3**
- RTV 357 - Advanced Broadcast Journalism **Credits: 3**
- RTV 499 - Special Topics **Credits: 3**
Select no more than 6 hours from this group:
- RTV 150 - Practicum in Broadcasting **Credits: 1**
- RTV 350 - Radio-Television Workshop **Credits: 1-3**
- RTV 400 - Independent Study in Radio-Television **Credits: 1-3**
- RTV 489 - Internship in Radio-Television **Credits: 1-3**

Communication Majors, Ethnic Cultures Cognate (3 hours)

Journalism majors may also select JRN 496 - Media Ethics

- ADV 499 - Special Topics **Credits: 3**
(approved ADV 499 topic: Advertising & Cultural Perceptions)
- CMST 308 - Rhetoric and Diversity **Credits: 3**
- CMST 317 - Intercultural Communication **Credits: 3**
- COMM 477 - Comparative Structures of Mass Media in a Global Community **Credits: 3**
- ENG 231 - African American Literature **Credits: 3**
- ENG 330 - Ethnic Literature in America **Credits: 3**
- JRN 499 - Special Topics **Credits: 3**
(approved JRN 499 topics: Covering Diverse Cultures; Diversity & Mass Media)
- LIBA 497 - Capstone Studies **Credits: 3**
(approved LIBA 497 topics: Racism in America; Art & Diversity/20th Cent; Hawaii/New Zealand)

- PRL 499 - Special Topics **Credits: 3**
(approved PRL 499 topic: PR in a Global Community)
- RTV 499 - Special Topics **Credits: 3**
(approved RTV 499 topic: Race, Ethnicity & the Media)
- SOC 370 - Seminar in Sociology **Credits: 3**
(approved SOC 370 topics: Globalization; Hate Groups/Hate Crimes; Race, Class, Gen-Pop Culture)
- SOC 421 - Race and Ethnicity **Credits: 3**

Communication Majors, Gender Studies Cognate (3 hours)

- CMST 402 - Gender, Communication, and Culture **Credits: 3**
- CMST 499 - Special Topics in Communication Studies **Credits: 3**
(approved CMST499 topic: Rhetoric of Family & Gender)
- ENG 288 - Introduction to Women in Literature **Credits: 3**
- ENG 387 - Women's Literature and Gender Issues: 19th- and 20th-Century Theory **Credits: 3**
- GNDR 111 - Intro to Gender Studies **Credits: 3**
- GNDR 333 - Perspectives on Gender **Credits: 3**
- GNDR 449 - Special Topics: Gender Studies **Credits: 3**
- HIST 311 - Women and Gender in America **Credits: 3**
- HIST 498 - Senior Seminar in American History **Credits: 3**
(approved HIST498 topic: Women/Gender to 1920)
- JRN 499 - Special Topics **Credits: 3**
(approved JRN 499 topic: Diversity & Mass Media)
- LIBA 497 - Capstone Studies **Credits: 3**
(approved LIBA497 topic: Women, Art & Society)
- PHIL 364 - Gender and Philosophy **Credits: 3**
- PSY 381 - Psychology of Gender **Credits: 3**
- RTV 499 - Special Topics **Credits: 3**
(approved RTV 499 topic: Media & Female Athletes)
- SOC 370 - Seminar in Sociology **Credits: 3**
(approved SOC 370 topics: Hate Groups/Hate Crimes; Race, Class, Gen-Pop Culture; Gender at Work; Women & Work)
- SOC 431 - Gender and Society **Credits: 3**

Additional Information

An internship in the broadcast media, practicum work, and/or a broadcast workshop with the campus radio station and TV studio are highly recommended for the junior or senior year.

Communication Studies Minor

21 hours; C or better required in all courses; 2.25 minor GPA required

Required Courses (15 hours)

- CMST 107 - Introduction to Interpersonal Communication **Credits: 3**
- CMST 201 - Introduction to Communication Studies **Credits: 3**
- CMST 203 - Introduction to Performance Studies **Credits: 3**
- CMST 204 - Business and Professional Communication **Credits: 3**

- CMST 301 - Communication Criticism and Analysis **Credits: 3**

Communication Studies Electives (6 hours)

(as directed by advisor)

- CMST 303 - Introduction to Persuasion **Credits: 3**
- CMST 308 - Rhetoric and Diversity **Credits: 3**
- CMST 313 - Advanced Performance Studies **Credits: 3**
- CMST 314 - Organizational Communication **Credits: 3**
- CMST 315 - Readers Theatre **Credits: 3**
- CMST 317 - Intercultural Communication **Credits: 3**
- CMST 318 - Conflict, Mediation and Negotiation **Credits: 3**
- CMST 400 - Independent Study in Communication Studies **Credits: 1-3**
- CMST 402 - Gender, Communication, and Culture **Credits: 3**
- CMST 407 - Communication and Healthcare **Credits: 3**
- CMST 410 - Seminar in Interpersonal Communication **Credits: 3**
- CMST 414 - Oral Traditions **Credits: 3**
- CMST 420 - Seminar in Organizational Communication **Credits: 3**
- CMST 427 - Family Communication **Credits: 3**
- CMST 430 - Seminar in Rhetoric **Credits: 3**
- CMST 489 - Internship in Communication Studies **Credits: 1-3**
- CMST 499 - Special Topics in Communication Studies **Credits: 3**

Journalism Minor

24 hours; C or better required in all courses; 2.25 minor GPA required

Required Courses (21 hours)

- COMM 192 - Introduction to Mass Communication **Credits: 3**
- JRN 273 - Digital Photography **Credits: 3 or**
- RTV 255 - Media Production **Credits: 3**
- JRN 281 - Basic Reporting **Credits: 3**
- JRN 374 - Internet Communications **Credits: 3 or**
- JRN 386 - Editing and Layout **Credits: 3**
- JRN 388 - Online Journalism **Credits: 3**
- COMM 494 - Mass Communication Law and Ethics **Credits: 3**

Select ONE from

- JRN 381 - Advanced Reporting **Credits: 3**
- JRN 383 - Editorial Writing **Credits: 3**
- JRN 384 - Feature Writing **Credits: 3**

- JRN 484 - Literary Journalism **Credits: 3**
- JRN 488 - Digital Storytelling **Credits: 3**

Communications Electives

Three hours of upper-level courses as directed by advisor.

Journalism Teaching Minor

24 hours; C or better required in all courses; 2.75 minor GPA required

Teacher Certification

Note: Review the College of Liberal Arts teacher certification policy in the College of Liberal Arts section of this bulletin. In addition to a teaching minor in journalism, in order to teach journalism in Indiana secondary schools, a student must have a teaching major in another discipline.

Required Courses (24 hours)

- COMM 192 - Introduction to Mass Communication **Credits: 3**
- JRN 273 - Digital Photography **Credits: 3 or**
- RTV 255 - Media Production **Credits: 3**
- JRN 281 - Basic Reporting **Credits: 3**
- JRN 374 - Internet Communications **Credits: 3 or**
- JRN 386 - Editing and Layout **Credits: 3**
- JRN 388 - Online Journalism **Credits: 3**
- JRN 385 - Supervision of Student Publication **Credits: 3**
- COMM 494 - Mass Communication Law and Ethics **Credits: 3**

Select ONE from

- JRN 381 - Advanced Reporting **Credits: 3**
- JRN 383 - Editorial Writing **Credits: 3**
- JRN 384 - Feature Writing **Credits: 3**
- JRN 484 - Literary Journalism **Credits: 3**
- JRN 488 - Digital Storytelling **Credits: 3**

Public Relations and Advertising Minor

24 hours; C or better required in all courses; 2.25 minor GPA required

Required Courses (12 hours)

- ADV 101 - Introduction to Advertising **Credits: 3**
- PRL 101 - Introduction to Public Relations **Credits: 3**
- COMM 494 - Mass Communication Law and Ethics **Credits: 3**
- COMM 495 - Mass Communication Research **Credits: 3**

Communication Electives (12 hours)

12 hours of electives, nine of which must be upper-level as directed by a public relations or advertising advisor. Nine of the hours must be in advertising or public relations.

Radio and Television Minor

24 hours; C or better required in all courses; 2.25 minor GPA required

Required Courses (15 hours)

- RTV 151 - Survey of Contemporary Broadcasting **Credits: 3**
- RTV 255 - Media Production **Credits: 3**
- RTV 351 - Radio-Television Performance **Credits: 3**
- RTV 354 - Writing for Electronic Media **Credits: 3**
- COMM 494 - Mass Communication Law and Ethics **Credits: 3**

Communications Electives (9 hours)

Nine hours of coursework as directed by advisor.

English

Students majoring in English enter a course of study leading to either a Bachelor of Arts or a Bachelor of Science degree. The Bachelor of Arts requires the study of a non-English modern or classical language through the intermediate (204) level. The English program offers majors and minors with emphases in Literature, Creative Writing, Rhetoric and Writing, and English Teaching. In cooperation with the Romain College of Business, the English program also offers a Minor in Entrepreneurship for English Majors. A student who is not an English major or minor may earn a writing concentration certificate by completing 15 hours of advanced writing courses.

All English majors pursuing either the Bachelor of Arts or Bachelor of Science must complete 42 credit hours with a minimum 2.0 GPA.

English Major, Creative Writing Emphasis, B.A. Only

42 hours; 2.0 major GPA required

Must complete BA requirements in USI Core 39

English Major

Notes: (1) English majors are normally expected to use HUM 241-242 The Western Tradition in Literature I-II to fulfill Ways of Knowing-World Languages and Culture in Core 39. (2) ENG 101 and ENG 201 do not fulfill any requirements for any major or minor in English or English teaching.

English Courses (21 hours)

Shared English Core (12 hours)

All English majors (and some English minors) are required to complete a 12-hour shared core of courses:

- ENG 205 - Introduction to English Studies and Ways of Reading **Credits: 3**
- ENG 255 - Introduction to British Literary History **Credits: 3**
- ENG 265 - Introduction to American Literary History **Credits: 3**
- ENG 301 - Advanced Composition **Credits: 3**

Shared English Electives (9 hours)

All English majors (and some English minors) are required to complete nine hours of shared electives at the 300 and 400 level:

English Language (3 hours) Selected From

- ENG 313 - Introduction to Linguistics **Credits: 3**
- ENG 314 - Survey of English Grammars **Credits: 3**
- ENG 417 - History of the English Language **Credits: 3**

Theory (3 hours) Selected From

- ENG 387 - Women's Literature and Gender Issues: 19th- and 20th-Century Theory **Credits: 3**
- ENG 415 - History of Rhetoric **Credits: 3**
- ENG 416 - Contemporary Issues in Rhetoric **Credits: 3**
- ENG 448 - Literary Criticism and Theory **Credits: 3**

World and Multicultural Literature (3 hours) Selected From

- ENG 330 - Ethnic Literature in America **Credits: 3**
- ENG 371 - Non-Western World Literature **Credits: 3**
- ENG 372 - Western World Literature **Credits: 3**
- ENG 375 - Modern Canadian Literature **Credits: 3**
- ENG 381 - Medieval World Literature **Credits: 3**
- ENG 382 - Literature of the Bible **Credits: 3**
- ENG 386 - World Mythology **Credits: 3**

Bachelor of Arts Degree in English with Creative Writing Emphasis

Must complete 12 hours from USI Core 39 as follows:

- Three courses (9 hours) in a single language (through the 204 level) from the World Languages subject area
- One course (3 hours) from the Natural Science with lab category

Required Courses (9 hours)

- ENG 302 - Creative Writing **Credits: 3**
- ENG 402 - Advanced Creative Writing **Credits: 3**
- ENG 491 - The Writer at Work **Credits: 3**

Directed electives (12 hours)

At the 300 and 400 level as follows:

Choose One of the Following (3 hours)

- ENG 303 - Poetry Workshop **Credits: 3**
- ENG 304 - Fiction Workshop **Credits: 3**

Choose One of the Following (3 hours)

- ENG 305 - Creative Non-Fiction Workshop **Credits: 3**
- ENG 307 - Screenwriting Workshop **Credits: 3**
- ENG 361 - Playwriting **Credits: 3**

Choose One of the Following (3 hours)

- ENG 432 - Twentieth-Century Poetry **Credits: 3**
- ENG 437 - Contemporary Fiction **Credits: 3**

Choose One of the Following (3 hours)

- ENG 449 - Major Author **Credits: 3**
- ENG 451 - Shakespeare's Histories and Tragedies **Credits: 3**
- ENG 453 - Shakespeare's Comedies and Romances **Credits: 3**

English Major, Literature Emphasis, B.A. Only

42 hours; 2.0 major GPA required

Must complete BA requirements in USI Core 39

English Major

Notes: (1) English majors are normally expected to use HUM 241-242 The Western Tradition in Literature I-II to fulfill Ways of Knowing-World Languages and Culture in Core 39. (2) ENG 101 and ENG 201 do not fulfill any requirements for any major or minor in English or English teaching.

English Courses (21 hours)

Shared English Core (12 hours)

All English majors (and some English minors) are required to complete a 12-hour shared core of courses:

- ENG 205 - Introduction to English Studies and Ways of Reading **Credits: 3**
- ENG 255 - Introduction to British Literary History **Credits: 3**
- ENG 265 - Introduction to American Literary History **Credits: 3**
- ENG 301 - Advanced Composition **Credits: 3**

Shared English Electives (9 hours)

All English majors (and some English minors) are required to complete nine hours of shared electives at the 300 and 400 level:

English Language (3 hours) Selected From

- ENG 313 - Introduction to Linguistics **Credits: 3**
- ENG 314 - Survey of English Grammars **Credits: 3**
- ENG 417 - History of the English Language **Credits: 3**

Theory (3 hours) Selected From

- ENG 387 - Women's Literature and Gender Issues: 19th- and 20th-Century Theory **Credits: 3**
- ENG 415 - History of Rhetoric **Credits: 3**
- ENG 416 - Contemporary Issues in Rhetoric **Credits: 3**
- ENG 448 - Literary Criticism and Theory **Credits: 3**

World and Multicultural Literature (3 hours) Selected From

- ENG 330 - Ethnic Literature in America **Credits: 3**
- ENG 371 - Non-Western World Literature **Credits: 3**
- ENG 372 - Western World Literature **Credits: 3**
- ENG 375 - Modern Canadian Literature **Credits: 3**
- ENG 381 - Medieval World Literature **Credits: 3**
- ENG 382 - Literature of the Bible **Credits: 3**
- ENG 386 - World Mythology **Credits: 3**

Bachelor of Arts Degree in English with Literature Emphasis

Must complete 12 hours from USI Core 39 as follows:

- Three courses (9 hours) in a single language (through the 204 level) from the World Languages subject area
- One course (3 hours) from the Natural Science with lab category

Directed electives (12 hours)

(300-400 level) as follows:

One Literature Course (3 hours)

Focusing on the period before the 18th Century:

- ENG 382 - Literature of the Bible **Credits: 3**
- ENG 424 - Chaucer **Credits: 3**
- ENG 426 - The Literature of the Renaissance **Credits: 3**
- ENG 451 - Shakespeare's Histories and Tragedies **Credits: 3**
- ENG 453 - Shakespeare's Comedies and Romances **Credits: 3**
- ENG 473 - History of Western Drama I **Credits: 3**
- ENG 449 - Major Author **Credits: 3** (topic must be approved)
- ENG 459 - Special Studies in English **Credits: 1-6** (topic must be approved)

One Literature Course (3 hours)

Focusing on the 18th or 19th Century:

- ENG 427 - Neo-Classical and Eighteenth-Century Literature **Credits: 3**
- ENG 431 - Nineteenth-Century Literature **Credits: 3**
- ENG 435 - The Novel to the Twentieth Century **Credits: 3**
- ENG 474 - History of World Drama II **Credits: 3**
- ENG 449 - Major Author **Credits: 3** (topic must be approved)
- ENG 459 - Special Studies in English **Credits: 1-6** (topic must be approved)

Shakespeare or Major Author (3 hours)

- ENG 424 - Chaucer **Credits: 3**
- ENG 451 - Shakespeare's Histories and Tragedies **Credits: 3**
- ENG 453 - Shakespeare's Comedies and Romances **Credits: 3**
- ENG 449 - Major Author **Credits: 3** (topic must be approved)
- ENG 459 - Special Studies in English **Credits: 1-6** (topic must be approved)

Theory (Literary and Rhetorical) (3 hours)

- ENG 387 - Women's Literature and Gender Issues: 19th- and 20th-Century Theory **Credits: 3**
- ENG 415 - History of Rhetoric **Credits: 3**
- ENG 416 - Contemporary Issues in Rhetoric **Credits: 3**
- ENG 448 - Literary Criticism and Theory **Credits: 3**

Upper-level Electives (9 hours)

At least six hours must be literature courses; ENG 302 excluded.

English Major, Rhetoric and Writing Emphasis, B.A./B.S.

42 hours; 2.0 major GPA required

English Major

Notes: (1) English majors are normally expected to use HUM 241-242 The Western Tradition in Literature I-II to fulfill Ways of Knowing-World Languages and Culture in Core 39. (2) ENG 101 and ENG 201 do not fulfill any requirements for any major or minor in English or English teaching.

English Courses (21 hours)

Shared English Core (12 hours)

All English majors (and some English minors) are required to complete a 12-hour shared core of courses:

- ENG 205 - Introduction to English Studies and Ways of Reading **Credits: 3**
- ENG 255 - Introduction to British Literary History **Credits: 3**
- ENG 265 - Introduction to American Literary History **Credits: 3**
- ENG 301 - Advanced Composition **Credits: 3**

Shared English Electives (9 hours)

All English majors (and some English minors) are required to complete nine hours of shared electives at the 300 and 400 level:

English Language (3 hours) Selected From

- ENG 313 - Introduction to Linguistics **Credits: 3**
- ENG 314 - Survey of English Grammars **Credits: 3**
- ENG 417 - History of the English Language **Credits: 3**

Theory (3 hours) Selected From

- ENG 387 - Women's Literature and Gender Issues: 19th- and 20th-Century Theory **Credits: 3**
- ENG 415 - History of Rhetoric **Credits: 3**
- ENG 416 - Contemporary Issues in Rhetoric **Credits: 3**
- ENG 448 - Literary Criticism and Theory **Credits: 3**

World and Multicultural Literature (3 hours) Selected From

- ENG 330 - Ethnic Literature in America **Credits: 3**
- ENG 371 - Non-Western World Literature **Credits: 3**
- ENG 372 - Western World Literature **Credits: 3**
- ENG 375 - Modern Canadian Literature **Credits: 3**
- ENG 381 - Medieval World Literature **Credits: 3**
- ENG 382 - Literature of the Bible **Credits: 3**
- ENG 386 - World Mythology **Credits: 3**

Bachelor of Science Degree in English with Rhetoric and Writing Emphasis

This program is identical to the Bachelor of Arts Degree in English with Rhetoric and Writing Emphasis, except no non-English modern or classical language is required.

Bachelor of Arts Degree in English with Rhetoric and Writing Emphasis

Requires 12 hours in a non-English modern or classical language.

Directed Electives (21 hours)

(300-400 level) as follows:

Craft Courses (12 hours)

- ENG 316 - Critical and Investigative Writing **Credits: 3**
- ENG 411 - Writing in the Digital Age **Credits: 3**
- ENG 412 - Writing for the Professions **Credits: 3**
- ENG 491 - The Writer at Work **Credits: 3**
- and other courses as designated by the English Department.

Theory Courses (3-6 hours)

- ENG 413 - Theory in Rhetoric and Writing **Credits: 3**
- ENG 415 - History of Rhetoric **Credits: 3**
- ENG 416 - Contemporary Issues in Rhetoric **Credits: 3**
- ENG 448 - Literary Criticism and Theory **Credits: 3**

Open English Electives (3-6 hours)

Select upper-level coursework to total 21 hours of electives; ENG 302 may not be selected as an elective.

English Teaching Major, B.A./B.S.

42 hours. A secondary education teaching major (grades 5-12)

Teaching Major Grade & GPA Requirement

Students completing a teaching major must earn at least a 2.75 cumulative GPA, a 2.75 major GPA, and a grade of C or better in all courses applied toward degree requirements.

English Major

Notes: (1) English majors are normally expected to use HUM 241-242 The Western Tradition in Literature I-II to fulfill Ways of Knowing-World Languages and Culture in Core 39. (2) ENG 101 and ENG 201 do not fulfill any requirements for any major or minor in English or English teaching.

English Courses (21 hours)

Shared English Core (12 hours)

All English majors (and some English minors) are required to complete a 12-hour shared core of courses:

- ENG 205 - Introduction to English Studies and Ways of Reading **Credits: 3**
- ENG 255 - Introduction to British Literary History **Credits: 3**
- ENG 265 - Introduction to American Literary History **Credits: 3**
- ENG 301 - Advanced Composition **Credits: 3**

Shared English Electives (9 hours)

All English majors (and some English minors) are required to complete nine hours of shared electives at the 300 and 400 level:

English Language (3 hours) Selected From

- ENG 313 - Introduction to Linguistics **Credits: 3**
- ENG 314 - Survey of English Grammars **Credits: 3**
- ENG 417 - History of the English Language **Credits: 3**

Theory (3 hours) Selected From

- ENG 387 - Women's Literature and Gender Issues: 19th- and 20th-Century Theory **Credits: 3**
- ENG 415 - History of Rhetoric **Credits: 3**
- ENG 416 - Contemporary Issues in Rhetoric **Credits: 3**
- ENG 448 - Literary Criticism and Theory **Credits: 3**

World and Multicultural Literature (3 hours) Selected From

- ENG 330 - Ethnic Literature in America **Credits: 3**
- ENG 371 - Non-Western World Literature **Credits: 3**
- ENG 372 - Western World Literature **Credits: 3**
- ENG 375 - Modern Canadian Literature **Credits: 3**
- ENG 381 - Medieval World Literature **Credits: 3**
- ENG 382 - Literature of the Bible **Credits: 3**
- ENG 386 - World Mythology **Credits: 3**

Bachelor of Science Degree, English Teaching Major

This program is identical to the Bachelor of Arts Degree in English with Teaching Emphasis, except no non-English modern or classical language is required.

Bachelor of Arts Degree, English Teaching Major

Must complete 12 hours from USI Core 39 as follows:

- Three courses (9 hours) in a single language (through the 204 level) from the World Languages subject area
- One course (3 hours) from the Natural Science with lab category

Note: Students entering the English teaching program should review the College of Liberal Arts Teacher Certification Policy.

Directed Electives (21 hours)

Shakespeare (3 hours)

- ENG 451 - Shakespeare's Histories and Tragedies **Credits: 3 or**
- ENG 453 - Shakespeare's Comedies and Romances **Credits: 3**

English Teaching (6 hours)

- ENG 310 - Writing in the Secondary Schools **Credits: 3 and**
- ENG 444 - Literature in the Secondary Schools **Credits: 3**

Literature Electives (6 hours)

- ENG 330 - Ethnic Literature in America **Credits: 3**
- ENG 375 - Modern Canadian Literature **Credits: 3**
- ENG 382 - Literature of the Bible **Credits: 3**
- ENG 386 - World Mythology **Credits: 3**
- ENG 387 - Women's Literature and Gender Issues: 19th- and 20th-Century Theory **Credits: 3**
- ENG 424 - Chaucer **Credits: 3**
- ENG 425 - Milton: Prose and Poetry **Credits: 3**
- ENG 426 - The Literature of the Renaissance **Credits: 3**
- ENG 427 - Neo-Classical and Eighteenth-Century Literature **Credits: 3**
- ENG 431 - Nineteenth-Century Literature **Credits: 3**
- ENG 432 - Twentieth-Century Poetry **Credits: 3**
- ENG 435 - The Novel to the Twentieth Century **Credits: 3**
- ENG 436 - The Novel of the Twentieth Century **Credits: 3**
- ENG 437 - Contemporary Fiction **Credits: 3**
- ENG 451 - Shakespeare's Histories and Tragedies **Credits: 3**
- ENG 453 - Shakespeare's Comedies and Romances **Credits: 3**
- ENG 473 - History of Western Drama I **Credits: 3**
- ENG 474 - History of World Drama II **Credits: 3**
- ENG 499 - Seminar in Literature and Language **Credits: 3**

Open Electives (6 hours)

English coursework at the 300-400 level; may include theory, literature, rhetoric, and writing.

Secondary Education Licensure minor

Students seeking a teaching major that leads to licensure as a secondary school teacher (grades 5-12) are required to complete the Secondary Education Licensure Minor.

Creative Writing Minor

24 hours; 2.0 minor GPA required

Core (9 hours)

- ENG 205 - Introduction to English Studies and Ways of Reading **Credits: 3**
- ENG 255 - Introduction to British Literary History **Credits: 3 or**
- ENG 265 - Introduction to American Literary History **Credits: 3**

Upper level literature course **Credits: 3**

Limited Electives (6 hours)

3 hours in theory selected from:

- ENG 415 - History of Rhetoric **Credits: 3**
- ENG 448 - Literary Criticism and Theory **Credits: 3**
- ENG 416 - Contemporary Issues in Rhetoric **Credits: 3**

3 hours in world and multicultural literature selected from:

- ENG 330 - Ethnic Literature in America **Credits: 3**
- ENG 371 - Non-Western World Literature **Credits: 3**
- ENG 372 - Western World Literature **Credits: 3**
- ENG 375 - Modern Canadian Literature **Credits: 3**
- ENG 382 - Literature of the Bible **Credits: 3**
- ENG 386 - World Mythology **Credits: 3**

Required Courses (6 hours)

- ENG 302 - Creative Writing **Credits: 3**
- ENG 402 - Advanced Creative Writing **Credits: 3**

Directed Electives (3 hours)

In an advanced workshop, selected from:

- ENG 303 - Poetry Workshop **Credits: 3**
- ENG 304 - Fiction Workshop **Credits: 3**
- ENG 305 - Creative Non-Fiction Workshop **Credits: 3**
- ENG 307 - Screenwriting Workshop **Credits: 3**

English Teaching Minor

27 hours; 2.75 minor GPA required

Note: Students entering the English teaching program should review the College of Liberal Arts Teacher Certification Policy.

Shared English Core

12 hours

- ENG 205 - Introduction to English Studies and Ways of Reading **Credits: 3**
- ENG 255 - Introduction to British Literary History **Credits: 3**
- ENG 265 - Introduction to American Literary History **Credits: 3**
- ENG 301 - Advanced Composition **Credits: 3**

English Teaching Courses (6 hours)

- ENG 310 - Writing in the Secondary Schools **Credits: 3**
- ENG 444 - Literature in the Secondary Schools **Credits: 3**

Directed Electives (6 hours)

- ENG 313 - Introduction to Linguistics **Credits: 3**
- ENG 330 - Ethnic Literature in America **Credits: 3**
- ENG 371 - Non-Western World Literature **Credits: 3**
- ENG 372 - Western World Literature **Credits: 3**
- ENG 375 - Modern Canadian Literature **Credits: 3**
- ENG 381 - Medieval World Literature **Credits: 3**
- ENG 386 - World Mythology **Credits: 3**
- ENG 387 - Women's Literature and Gender Issues: 19th- and 20th-Century Theory **Credits: 3**
- ENG 415 - History of Rhetoric **Credits: 3**
- ENG 416 - Contemporary Issues in Rhetoric **Credits: 3**
- ENG 417 - History of the English Language **Credits: 3**
- ENG 448 - Literary Criticism and Theory **Credits: 3**
- ENG 449 - Major Author **Credits: 3**
- ENG 451 - Shakespeare's Histories and Tragedies **Credits: 3**
- ENG 453 - Shakespeare's Comedies and Romances **Credits: 3**

Entrepreneurship Minor, English Emphasis

18 hours

The Entrepreneurship minor is offered through the Romain College of Business. Students may choose to fulfill the 9 hour directed electives component of the minor by selecting among approved English coursework.

Required Business classes (9 hours)

- MNGT 352 - Entrepreneurship Ideation and Innovation **Credits: 3**
- MNGT 353 - Entrepreneurship Feasibility Analysis and Business Plan Development **Credits: 3**
- MNGT 354 - Strategic Entrepreneurship **Credits: 3**

Directed Electives in English (9 hours)

Selected from the following courses:

- ENG 316 - Critical and Investigative Writing **Credits: 3**
- ENG 319 - Fundamentals of Grant Writing **Credits: 3**
- ENG 411 - Writing in the Digital Age **Credits: 3**
- ENG 412 - Writing for the Professions **Credits: 3**
- ENG 414 - Intercultural Technical Writing **Credits: 3**
- ENG 419 - Advanced Grant Writing **Credits: 3**
- ENG 498 - Internship in English **Credits: 3**

Literature Minor

24 hours; 2.0 minor GPA required

Shared Core (12 hours)

All English majors (and some English minors) are required to complete a 12-hour shared core of courses:

- ENG 205 - Introduction to English Studies and Ways of Reading **Credits: 3**
- ENG 255 - Introduction to British Literary History **Credits: 3**
- ENG 265 - Introduction to American Literary History **Credits: 3**
- ENG 301 - Advanced Composition **Credits: 3**

Directed Electives (12 hours)

3 hours in Theory Selected From

- ENG 415 - History of Rhetoric **Credits: 3**
- ENG 416 - Contemporary Issues in Rhetoric **Credits: 3**
- ENG 448 - Literary Criticism and Theory **Credits: 3**

3 hours in World and Multicultural Literature Selected From

- ENG 330 - Ethnic Literature in America **Credits: 3**
- ENG 371 - Non-Western World Literature **Credits: 3**
- ENG 372 - Western World Literature **Credits: 3**
- ENG 375 - Modern Canadian Literature **Credits: 3**
- ENG 382 - Literature of the Bible **Credits: 3**
- ENG 386 - World Mythology **Credits: 3**

3 hours in Shakespeare or Another Major Author

- ENG 424 - Chaucer **Credits: 3**
- ENG 451 - Shakespeare's Histories and Tragedies **Credits: 3**
- ENG 453 - Shakespeare's Comedies and Romances **Credits: 3**
- ENG 449 - Major Author **Credits: 3** (topic must be approved)
- ENG 459 - Special Studies in English **Credits: 1-6** (topic must be approved)

3 hours of Literature at the 300-400 Level

Advisor approved elective

Rhetoric and Writing Minor

24 hours; 2.0 minor GPA required

Core (9 hours)

- ENG 205 - Introduction to English Studies and Ways of Reading **Credits: 3**
- ENG 255 - Introduction to British Literary History **Credits: 3 or**
- ENG 265 - Introduction to American Literary History **Credits: 3**
- ENG 301 - Advanced Composition **Credits: 3**

Limited Electives (6 hours)

At the 300 and 400 level as follows:

3 hours in Literary Theory selected from:

- ENG 387 - Women's Literature and Gender Issues: 19th- and 20th-Century Theory **Credits: 3**
- ENG 448 - Literary Criticism and Theory **Credits: 3**

3 hours in Rhetorical Studies selected from:

- ENG 415 - History of Rhetoric **Credits: 3**
- ENG 416 - Contemporary Issues in Rhetoric **Credits: 3**

Directed Electives (6-9 hours)

At the 300 and 400 level, selected from the following:

- ENG 316 - Critical and Investigative Writing **Credits: 3**
- ENG 411 - Writing in the Digital Age **Credits: 3**

- ENG 412 - Writing for the Professions **Credits: 3**
- ENG 491 - The Writer at Work **Credits: 3**

Open English Electives (3 hours)

If needed, to total nine hours of electives; ENG 302 is excluded.

Writing Certificate, Creative Writing Concentration

15 hours

The English Department offers two writing concentration certificates: The Writing Concentration and The Creative Writing Concentration. No notation of the certificate will be listed on a student's official transcript.

Required Courses

Select 15 hours from among the following courses:

- ENG 302 - Creative Writing **Credits: 3**
- ENG 305 - Creative Non-Fiction Workshop **Credits: 3**
- ENG 307 - Screenwriting Workshop **Credits: 3**
- ENG 361 - Playwriting **Credits: 3**
- ENG 303 - Poetry Workshop **Credits: 3**
- ENG 304 - Fiction Workshop **Credits: 3**
- ENG 402 - Advanced Creative Writing **Credits: 3**
- ENG 491 - The Writer at Work **Credits: 3**

Writing Certificate, Writing Concentration

15 hours

The English Department offers two writing concentration certificates: The Writing Concentration and The Creative Writing Concentration. No notation of the certificate will be listed on a student's official transcript.

Required Courses

Select 15 hours from among the following courses:

- ENG 301 - Advanced Composition **Credits: 3**
- ENG 316 - Critical and Investigative Writing **Credits: 3**
- ENG 411 - Writing in the Digital Age **Credits: 3**
- ENG 412 - Writing for the Professions **Credits: 3**
- ENG 415 - History of Rhetoric **Credits: 3**
- ENG 416 - Contemporary Issues in Rhetoric **Credits: 3**
- ENG 417 - History of the English Language **Credits: 3**
- ENG 491 - The Writer at Work **Credits: 3**

History

The purpose of history is to develop an understanding of the past in order to live wisely in a diverse and global community. History offers original and indispensable ways of looking at human experience because it distinguishes and evaluates continuity amid the forces of change. By means of historical inquiry, the modern world is seen as shaped by the past. History prepares individuals to live wisely in a diverse and global community by teaching them to understand, analyze and interpret the past, evaluate critically the way in which the past shapes the current world, and develop the skills that allow them to communicate their knowledge and ideas effectively.

As a discipline, history educates all students for a variety of careers. History majors and minors are prepared to pursue graduate and professional programs in history and related fields. In addition to teaching, they find careers in diverse areas that include law, public administration, library science, museum and historic site management, business, medicine, and the ministry.

History Major, B.A./B.S.

36 hours; 2.5 major GPA required

Required Courses (15 hours)

- HIST 261 - Early World History to 1300 **Credits: 3**
- HIST 262 - Early Modern World History, 1300 - 1700 **Credits: 3**
- HIST 263 - Modern World History, 1700 - present **Credits: 3**
- HIST 298 - Historical Methods **Credits: 3**

- HIST 498 - Senior Seminar in American History **Credits: 3** or
- HIST 499 - Senior Seminar in World History **Credits: 3**

Elective Courses (21 hours)

History majors must select nine hours from one of the elective areas of history, and six hours from each of the other two areas:

Area I - United States History

Area II - European History

Area III - African, Asian, Latin American, Middle Eastern, and Russian/Soviet History

HIST 498 and/or HIST 499 will be counted in the appropriate elective area if taken as different topics.

History Teaching (optional)

For students seeking licensure to teach history (5-12), the optional History Teaching track emphasizes identified courses of greatest benefit. In response to changes in teacher licensing and preparation, a multi-subject Social Science Secondary Education degree is no longer offered. Under the new system students are required to complete a degree in a particular social science area, such as history, and the Secondary Education Minor.

Students seeking to teach history as a secondary school teacher (grades 5-12) are required to complete the History Teaching major, 6 additional hours (shown below) and the secondary education licensure minor.

- POLS 102 - Introduction to American Politics **Credits: 3**

- GEOG 112 - Earth System Science **Credits: 3** or
- GEOG 330 - World Geography **Credits: 3**

Secondary Education Licensure minor

Students seeking a teaching major that leads to licensure as a secondary school teacher (grades 5-12) are required to complete the Secondary Education Licensure Minor.

History Minor

24 hours; 2.5 minor GPA required

Required Courses (12 hours)

- HIST 261 - Early World History to 1300 **Credits: 3**
- HIST 262 - Early Modern World History, 1300 - 1700 **Credits: 3**
- HIST 263 - Modern World History, 1700 - present **Credits: 3**
- HIST 298 - Historical Methods **Credits: 3**

Elective Courses (12 hours)

History minors must select a minimum of 12 hours from the elective areas of history listed below. No more than six hours may be taken from any one area.

Area I - United States History

Area II - European History

Area III - African, Asian, Latin American, Middle Eastern, and Russian/Soviet History

HIST 498 and/or HIST 499 will be counted in the appropriate elective area if taken twice.

Social Science Teaching Minor for Elementary Education or Junior High/Middle School

24 hours; 2.75 minor GPA required

A minor in social science with an emphasis in historical perspectives is designed specifically to meet the needs of the prospective elementary or junior high/middle school teacher. This minor may be used only in combination with a major of Elementary Education or Special Education. This minor may not be used in combination with a teaching major at the secondary education level (or Early Childhood, or a non-teaching major). **This minor will not lead to licensure in social sciences for secondary education.** Certification for high school teachers in any of the social sciences requires completion of the complete degree and the Secondary Education Minor.

Required Courses (21 hours)

- HIST 101 - The United States to 1865 **Credits: 3 or**
- HIST 102 - The United States since 1865 **Credits: 3**

- HIST 111 - World Civilizations I, Beginnings to 1500 **Credits: 3 or**
- HIST 112 - World Civilizations II, 1500-Present **Credits: 3**

- HIST 298 - Historical Methods **Credits: 3**
- 300- or 400-level U.S., European, or World history **Credits: 3**
- POLS 102 - Introduction to American Politics **Credits: 3**
- SOC 121 - Principles of Sociology **Credits: 3**

- GEOG 112 - Earth System Science **Credits: 3 or**
- GEOG 330 - World Geography **Credits: 3**

Elective (3 hours)

Chosen from:

- ECON 175 - Fundamentals of Economics **Credits: 3**
- ECON 208 - Principles of Microeconomics **Credits: 3**
- ECON 209 - Principles of Macroeconomics **Credits: 3**
- PSY 201 - Introduction to Psychology **Credits: 3**
- GEOL 101 - Prehistoric Life **Credits: 3**

Intensive English Program (IEP)

The Intensive English Program (IEP) at USI helps international students, scholars, and professionals to develop English language skills, academic strategies, and cultural knowledge necessary for success in academic programs and professional settings in the United States.

The program provides non-native English-speaking students with the resources and opportunities to develop their listening, speaking, reading, and writing skills to a level appropriate for university study and to equip them with the academic strategies necessary for successful study in a language and culture that may differ from their native language and/or culture. The IEP also prepares students to pass proficiency standards for the TOEFL test.

Upon successful completion of the Intensive English Program, a written exam administered by USI's Composition Program and English Department will be used to determine placement into the appropriate level of freshman composition: ENG100/101/201.

Program Format

Upon enrollment, students are given a placement test (CaMLA) to determine level of proficiency. The IEP has six levels. Each level includes courses in listening, speaking, reading, writing, and English for specific purposes and TOEFL preparation in the higher levels to be administered in eight-week terms with twenty-one to twenty-three hours of instruction per week. Units provide students with intensive instruction in the four skills with embedded cultural learning in order to reach the high standards of quality education.

Please see GENS 094 under which IEP is coded.

For more information, visit www.usi.edu/iep

Performing Arts

The Department of Performing Arts oversees programs in theatre and music at USI. USI offers a baccalaureate program of study in theatre that enables students to progress in performance, design, and technology within the field. It also offers minors in general music, applied vocal music, and applied vocal music education. Both areas offer talent scholarships.

The Theatre Program

The USI Theatre Program presents students with exciting experiences that carry the work of the classroom forward into the practical realm of the University's fully produced season of plays, a season that ranges from such classic playwrights as Sophocles and Shakespeare to contemporary plays and musicals. There also is an extended connection between the academic program and New Harmony Theatre, the University's professional summer theatre program, and students often receive their first professional experience through the summer project. With dedicated mentoring and placement guidance from the faculty, many students begin to work in other professional summer theatres around the country during their study, so there are always opportunities to pursue, both in and out of the classroom.

As baccalaureate candidates, students prepare for a full range of possibilities following their college experience. While a strong professional focus is maintained throughout the program, the theatre major has far-ranging applications, greatly increasing students' sense of personal discipline, their critical thinking, and their communication skills. Graduates of the program are generally well-prepared for graduate study, specialized internships in the field, as well as for the professional world. Many will seek a career in teaching, combining their study with a secondary education field, such as English.

The Theatre Program at USI believes strongly that theatre students, regardless of their area of focus, must have an appreciation for the theatre as a whole. It therefore requires a balance between performance and technical subject areas. All students are required to take some history or survey classes. Still, the program provides a great deal of flexibility, enabling performance students to choose acting, directing, and playwriting electives, while technology and design students may develop equally in the areas of lighting, scenery, and costume. Special topics classes are periodically offered to address the interests and needs of the students.

In addition to the major in Theatre Arts, a Theatre Arts minor and Theatre Education minor are both offered. The Theatre Arts minor permits students with other major programs of study to take a concentration of courses in any aspect of theatre to which they are drawn. The Theatre Education minor, taken in conjunction with a Secondary Education major, will permit this additional teaching certification.

The Music Program

The music program of the performing arts curriculum offers students throughout the University three minors in music to develop their musicianship through performance and study. The minors in general music and applied voice offer valuable experiences for performing arts students eager to build their musical credentials within the Theatre major. The minor in vocal music education offers students in the Education major the option of adding certification in the area of Elementary Music Education to their credentials. The various music ensembles maintain a performance calendar independent from that of the USI Theatre, as well as offer a number of performance-based scholarships.

Theatre Arts Major, B.A./B.S.

43 hours; C or better required in major courses; 2.0 major GPA required

Theatre Arts Major (43 hours)

Required Courses (25 hours)

- THTR 102 - Intro to Theatrical Production **Credits: 3**
- THTR 120 - Theatre Laboratory I **Credits: 1** (take twice, 2 hours total)
- THTR 251 - Fundamentals of Acting **Credits: 3**
- THTR 320 - Theatre Laboratory II **Credits: 1** (take twice, 2 hours total)

One of the following:

- THTR 224 - Production Technology **Credits: 3**
- THTR 234 - Costume Technology **Credits: 3**
- THTR 243 - Lighting Technology **Credits: 3**

Two of the following:

- THTR 327 - Scene Design **Credits: 3**
- THTR 337 - Costume Design **Credits: 3**
- THTR 347 - Lighting Design **Credits: 3**
- THTR 487 - Stage Directing **Credits: 3**

One from the following:

- THTR 371 - History of Theatre I **Credits: 3**
- THTR 473 - History of World Drama I **Credits: 3**

One of the following:

- THTR 372 - History of Theatre II **Credits: 3**
- THTR 474 - History of World Drama II **Credits: 3**

Electives (18 hours)

Note: Any of the courses in the grouped selections above not selected as a required class can be selected as an elective. Nine hours of the electives must be taken at the 300- to 400-level.

- THTR 101 - Introduction to Theatre **Credits: 3**
- THTR 150 - Practicum in Dance **Credits: 3**
- THTR 153 - Improvisational Theatre **Credits: 3**
- THTR 226 - Production Graphics **Credits: 3**
- THTR 235 - Stage Make-up **Credits: 3**
- THTR 236 - Costume Crafts **Credits: 3**
- THTR 252 - Fundamentals of Scene Study **Credits: 3**
- THTR 253 - Voice and Diction **Credits: 3**
- THTR 254 - Stage Combat **Credits: 3**
- THTR 260 - Intermediate Dance Practicum **Credits: 3**
- THTR 307 - Period Styles for the Theatre **Credits: 3**
- THTR 326 - Theatre Graphics II **Credits: 3**
- THTR 351 - Acting for the Modern Stage **Credits: 3**
- THTR 352 - Acting in Period Style **Credits: 3**
- THTR 353 - Musical Theatre Performance I **Credits: 3**
- THTR 354 - Musical Theatre Performance II **Credits: 3**
- THTR 360 - Practicum in Dance, Advanced Level **Credits: 3**
- THTR 361 - Playwriting **Credits: 3**

- THTR 381 - Stage Management **Credits: 3**
- THTR 400 - Independent Study in Theatre Arts **Credits: 1-3**
- THTR 427 - Advanced Scene Design **Credits: 3**
- THTR 437 - Advanced Costume Design **Credits: 3**
- THTR 451 - Acting as a Business **Credits: 3**
- THTR 490 - Repertory Theatre Internship **Credits: 3**
- THTR 498 - Internship in Theatre **Credits: 3**
- THTR 499 - Special Topics in Theatre Arts **Credits: 3**

Applied Vocal Music Education Minor

2.0 minor GPA required

27-31 hours

Core 39 Requirement

- MUS 202 - Introduction to Music **Credits: 3** ***
*** May be taken concurrently with minor courses.
- ENG 101 - Rhetoric and Composition I: Literacy and the Self **Credits: 3**

Foundation Courses (16 hours)

- MUS 161 - Music Theory I **Credits: 3**
- MUS 162 - Music Theory II **Credits: 3**
- MUS 171 - Aural Skills I **Credits: 1**
- MUS 172 - Aural Skills II **Credits: 1**
- MUS 381 - Music History I **Credits: 3**
- MUS 382 - Music History II **Credits: 3**
- MUS 181 - Class Piano I **Credits: 1**
- MUS 182 - Class Piano II **Credits: 1**

Applied Voice - 4 hours culminating in a 2nd year recital

- MUS 210 - Applied Voice **Credits: 1**

Music Education Courses - 3 hours

- MUS 251 - Music and Movement in Elementary Schools **Credits: 3**

Ensembles (4 semesters from the following list)

- MUS 200 - USI Chamber Choir **Credits: 2**
- MUS 219 - USI Women's Choir **Credits: 1**

NOTE:

Review the College of Liberal Arts teacher certification policy in the College of Liberal Arts section of this bulletin. In addition to a teaching minor in music, in order to teach music in Indiana secondary schools, a student must have a teaching major in another discipline.

Applied Vocal Music Performance Minor

2.0 minor GPA required

24-28 hours

Core 39 Requirement

- MUS 202 - Introduction to Music **Credits: 3** ***
*** May be taken concurrently with minor courses.
- ENG 101 - Rhetoric and Composition I: Literacy and the Self **Credits: 3**

Foundation Courses (16 hours)

- MUS 161 - Music Theory I **Credits: 3**
- MUS 162 - Music Theory II **Credits: 3**
- MUS 171 - Aural Skills I **Credits: 1**
- MUS 172 - Aural Skills II **Credits: 1**
- MUS 381 - Music History I **Credits: 3**
- MUS 382 - Music History II **Credits: 3**
- MUS 181 - Class Piano I **Credits: 1**
- MUS 182 - Class Piano II **Credits: 1**

Applied Voice - 4 hours culminating in a 2nd year recital

- MUS 210 - Applied Voice **Credits: 1** (take four times)

Ensembles (4 semesters from the following list)

- MUS 200 - USI Chamber Choir **Credits: 2**
- MUS 219 - USI Women's Choir **Credits: 1**

General Music Minor

2.0 minor GPA required

20-24 hours

Core 39 Requirement

- MUS 202 - Introduction to Music **Credits: 3** ***
*** May be taken concurrently with minor courses.
- ENG 101 - Rhetoric and Composition I: Literacy and the Self **Credits: 3**

Foundation Courses (16 hours)

- MUS 161 - Music Theory I **Credits: 3**
- MUS 162 - Music Theory II **Credits: 3**
- MUS 171 - Aural Skills I **Credits: 1**
- MUS 172 - Aural Skills II **Credits: 1**
- MUS 381 - Music History I **Credits: 3**
- MUS 382 - Music History II **Credits: 3**
- MUS 181 - Class Piano I **Credits: 1**
- MUS 182 - Class Piano II **Credits: 1**

Ensembles (4 semesters from the following list)

- MUS 200 - USI Chamber Choir **Credits: 2**
- MUS 219 - USI Women's Choir **Credits: 1**
- MUS 290 - USI Jazz Ensemble **Credits: 2**

Theatre Arts Minor

18 hours; C or better required in minor courses; 2.0 minor GPA required

The theatre minor is offered in order to enable students with a decided passion for a particular area of theatre study, but who wish to pursue other interests, to realize a shorter, more specialized program of study.

Required Courses (6 hours)

- THTR 101 - Introduction to Theatre **Credits: 3**
- THTR 120 - Theatre Laboratory I **Credits: 1** (must take twice for a total of 2 Credits)
- THTR 320 - Theatre Laboratory II **Credits: 1**

Electives (12 hours)

Six hours must be earned at the 300-level or above. Students must observe all prerequisites.

Note: Any of the courses above not selected as a required course can be selected as an elective.

- THTR 102 - Intro to Theatrical Production **Credits: 3**
- THTR 150 - Practicum in Dance **Credits: 3**
- THTR 153 - Improvisational Theatre **Credits: 3**

- THTR 224 - Production Technology **Credits: 3**
- THTR 226 - Production Graphics **Credits: 3**
- THTR 228 - Theatre Graphics I **Credits: 3**
- THTR 234 - Costume Technology **Credits: 3**
- THTR 235 - Stage Make-up **Credits: 3**
- THTR 236 - Costume Crafts **Credits: 3**
- THTR 243 - Lighting Technology **Credits: 3**
- THTR 251 - Fundamentals of Acting **Credits: 3**
- THTR 252 - Fundamentals of Scene Study **Credits: 3**
- THTR 253 - Voice and Diction **Credits: 3**
- THTR 254 - Stage Combat **Credits: 3**
- THTR 260 - Intermediate Dance Practicum **Credits: 3**
- THTR 307 - Period Styles for the Theatre **Credits: 3**
- THTR 326 - Theatre Graphics II **Credits: 3**
- THTR 327 - Scene Design **Credits: 3**
- THTR 337 - Costume Design **Credits: 3**
- THTR 346 - Lighting Programming **Credits: 3**
- THTR 347 - Lighting Design **Credits: 3**
- THTR 351 - Acting for the Modern Stage **Credits: 3**
- THTR 352 - Acting in Period Style **Credits: 3**
- THTR 353 - Musical Theatre Performance I **Credits: 3**
- THTR 354 - Musical Theatre Performance II **Credits: 3**
- THTR 360 - Practicum in Dance, Advanced Level **Credits: 3**
- THTR 361 - Playwriting **Credits: 3**
- THTR 371 - History of Theatre I **Credits: 3**
- THTR 372 - History of Theatre II **Credits: 3**
- THTR 400 - Independent Study in Theatre Arts **Credits: 1-3**
- THTR 427 - Advanced Scene Design **Credits: 3**
- THTR 437 - Advanced Costume Design **Credits: 3**
- THTR 447 - Advanced Lighting Design **Credits: 3**
- THTR 451 - Acting as a Business **Credits: 3**
- THTR 473 - History of World Drama I **Credits: 3**
- THTR 474 - History of World Drama II **Credits: 3**
- THTR 487 - Stage Directing **Credits: 3**
- THTR 490 - Repertory Theatre Internship **Credits: 3**
- THTR 498 - Internship in Theatre **Credits: 3**
- THTR 499 - Special Topics in Theatre Arts **Credits: 3**

Theatre Education Teaching Minor

24 hours; C or better required in minor courses; 2.75 minor GPA required

Required Courses (24 hours)

- THTR 102 - Intro to Theatrical Production **Credits: 3**
- THTR 224 - Production Technology **Credits: 3**
- THTR 234 - Costume Technology **Credits: 3**

- THTR 243 - Lighting Technology **Credits: 3**
- THTR 251 - Fundamentals of Acting **Credits: 3**
- THTR 487 - Stage Directing **Credits: 3**

- THTR 371 - History of Theatre I **Credits: 3 or**
- THTR 372 - History of Theatre II **Credits: 3**

Choose one from:

- THTR 327 - Scene Design **Credits: 3**
- THTR 337 - Costume Design **Credits: 3**
- THTR 347 - Lighting Design **Credits: 3**

NOTE: Review the College of Liberal Arts teacher certification policy in the College of Liberal Arts section of this bulletin. In addition to a teaching minor in theatre, in order to teach theatre in Indiana secondary schools, a student must have a teaching major in another discipline.

Philosophy

Philosophy provides an excellent field of study for students planning to seek advanced degrees in law, philosophy, theology, politics, and other areas. The critical thinking and communications skills stressed in philosophy are a valuable complement to most any career or field of study. Philosophy is an excellent complementary second major (only 30 credits) or minor (18 credits). Students pursue a Bachelor of Science or Bachelor of Arts degree. The latter, requiring 12 hours of a non-English modern or classical language, is preferable for those interested in more advanced degrees.

Philosophy Major, B.A./ B.S.

30 hours; 2.0 major GPA required

Required Courses (15 hours)

- PHIL 205 - Introduction to Logic **Credits: 3 or**
- PHIL 305 - Introduction to Symbolic Logic **Credits: 3**

- PHIL 350 - History of Philosophy I **Credits: 3 or**
- HUM 231 - The Western Tradition in Philosophy I **Credits: 3**

- PHIL 351 - History of Philosophy II **Credits: 3 or**
- HUM 232 - The Western Tradition in Philosophy II **Credits: 3**

Choose one from

- PHIL 344 - Contemporary Philosophy **Credits: 3**
- PHIL 418 - Metaphysics **Credits: 3**
- PHIL 420 - Theory of Knowledge **Credits: 3**
- PHIL 435 - Philosophy of Science **Credits: 3**

Choose one from

- PHIL 301 - Theoretical Ethics **Credits: 3**
- PHIL 363 - Bioethics **Credits: 3**
- PHIL 366 - Environmental Ethics **Credits: 3**
- PHIL 441 - Political and Legal Philosophy **Credits: 3**

Electives (15 hours)

15 hours selected from philosophy course offerings as directed by advisor. (No more than six total hours of 200-level courses may be counted.)

No more than 6 hours from:

- PHIL 200 - Introduction to Philosophy **Credits: 3**
- PHIL 201 - Introduction to Ethics **Credits: 3**
- PHIL 205 - Introduction to Logic **Credits: 3**

Upper-level electives (9-15 hours):

- PHIL 301 - Theoretical Ethics **Credits: 3**
- PHIL 304 - Philosophy of Art **Credits: 3**
- PHIL 305 - Introduction to Symbolic Logic **Credits: 3**
- PHIL 344 - Contemporary Philosophy **Credits: 3**
- PHIL 361 - Special Problems in Philosophy **Credits: 3**
- PHIL 362 - Interdisciplinary Problems **Credits: 3**
- PHIL 363 - Bioethics **Credits: 3**
- PHIL 364 - Gender and Philosophy **Credits: 3**
- PHIL 365 - Sexual Ethics **Credits: 3**
- PHIL 366 - Environmental Ethics **Credits: 3**
- PHIL 413 - Philosophy of Religion **Credits: 3**

- PHIL 415 - History of Rhetoric **Credits: 3 or**
- ENG 415 - History of Rhetoric **Credits: 3**

- PHIL 418 - Metaphysics **Credits: 3**
- PHIL 420 - Theory of Knowledge **Credits: 3**
- PHIL 425 - Philosophy of Mind **Credits: 3**
- PHIL 435 - Philosophy of Science **Credits: 3**
- PHIL 441 - Political and Legal Philosophy **Credits: 3**
- POLS 445 - Ancient Political Theory **Credits: 3**
- POLS 446 - Modern Political Theory **Credits: 3**

Cognitive Science Minor

18 hours; 2.0 minor GPA required

The Cognitive Science minor is an interdisciplinary minor dedicated to "the science of the mind." The Cognitive Science minor complements majors such as philosophy, psychology, computer science, modern and classical languages, and other majors.

Required Courses (15 hours)

Take one course from each set:

Select one course:

- PHIL 205 - Introduction to Logic **Credits: 3**
- PHIL 305 - Introduction to Symbolic Logic **Credits: 3**
- MATH 253 - Principles of Mathematical Logic **Credits: 3**

Select one course:

- PSY 385 - Physiological Psychology **Credits: 3**
- PSY 425 - Cognitive Psychology **Credits: 3**

Required course:

- PHIL 377 - Introduction to Cognitive Science **Credits: 3**

Select one course:

- PHIL 362 - Interdisciplinary Problems **Credits: 3** (approved topics: Consciousness; Free Will & Determ; others as approved)
- PHIL 425 - Philosophy of Mind **Credits: 3**
- PHIL 361 - Special Problems in Philosophy **Credits: 3** (topic must be approved)

Select one course:

- PSY 386 - Psycholinguistics **Credits: 3**
- ENG 313 - Introduction to Linguistics **Credits: 3**
- FREN 365 - Introduction to Applied Linguistics **Credits: 3**
- GERM 365 - Introduction to Applied Linguistics **Credits: 3**
- SPAN 365 - Introduction to Applied Linguistics **Credits: 3**

Additional Course (3 hours)

Select any unused course from the list of required classes above, or choose from:

- ECE 241 - Digital Logic **Credits: 3**
- CS 101 - Fundamentals of Computer Science **Credits: 3**
- CS 461 - Artificial Intelligence **Credits: 3**
- PSY 312 - Sensation and Perception **Credits: 3**
- PSY 400 - Special Topics in Psychology **Credits: 3** (topic must be approved)

Philosophy Minor

18 hours; 2.0 minor GPA required

Required Courses (9 hours)

- PHIL 205 - Introduction to Logic **Credits: 3 or**
- PHIL 305 - Introduction to Symbolic Logic **Credits: 3**

- PHIL 350 - History of Philosophy I **Credits: 3 or**
- HUM 231 - The Western Tradition in Philosophy I **Credits: 3**

- PHIL 351 - History of Philosophy II **Credits: 3 or**
- HUM 232 - The Western Tradition in Philosophy II **Credits: 3**

Elective Courses (9 hours)

Nine hours selected from philosophy course offerings as directed by advisor. (No more than six total hours of 200-level courses may be counted.)

No more than 6 hours from:

- PHIL 200 - Introduction to Philosophy **Credits: 3**
- PHIL 201 - Introduction to Ethics **Credits: 3**
- PHIL 205 - Introduction to Logic **Credits: 3**

Upper-level electives:

- PHIL 301 - Theoretical Ethics **Credits: 3**
- PHIL 304 - Philosophy of Art **Credits: 3**
- PHIL 305 - Introduction to Symbolic Logic **Credits: 3**
- PHIL 344 - Contemporary Philosophy **Credits: 3**
- PHIL 361 - Special Problems in Philosophy **Credits: 3**
- PHIL 362 - Interdisciplinary Problems **Credits: 3**
- PHIL 363 - Bioethics **Credits: 3**
- PHIL 364 - Gender and Philosophy **Credits: 3**
- PHIL 365 - Sexual Ethics **Credits: 3**
- PHIL 413 - Philosophy of Religion **Credits: 3**

- PHIL 415 - History of Rhetoric **Credits: 3 or**
- ENG 415 - History of Rhetoric **Credits: 3**

- PHIL 418 - Metaphysics **Credits: 3**
- PHIL 420 - Theory of Knowledge **Credits: 3**
- PHIL 425 - Philosophy of Mind **Credits: 3**
- PHIL 435 - Philosophy of Science **Credits: 3**
- PHIL 441 - Political and Legal Philosophy **Credits: 3**

Political Science and Public Administration

Political science is the study of government, politics and public issues, and the institutions and processes through which conflicts over such issues are resolved. The major is grounded in the field's theoretical traditions and provides a strong background in the fundamental branches of the discipline: American politics, comparative politics, international politics, public policy, public administration, and political theory. Political science students develop analytical and methodological skills that permit them to critically assess contemporary political events and identify practical solutions to problems that arise in society and government. The major offers a solid foundation for a liberal arts education, regardless of a student's career objectives, and is particularly well-suited to those interested in government, law, teaching, business, and journalism. As undergraduates, political science majors have the opportunity to gain practical experience in the field by working for political campaigns and serving as interns for the state legislature, in local or state courts, or for various law-related organizations. Students with majors in political science may earn either a Bachelor of Science degree or a Bachelor of Arts Degree, which has a two-year non-English modern or classical language requirement.

Political Science Major, B.A./B.S.

39 hours; 2.0 major GPA required

Required Courses (24 hours)

- POLS 102 - Introduction to American Politics **Credits: 3**
- POLS 202 - Introduction to Public Administration **Credits: 3 or**
- POLS 203 - Introduction to the Policy Process in the United States **Credits: 3**
- POLS 271 - International Politics **Credits: 3**
- POLS 281 - Comparative Politics **Credits: 3**
- POLS 232 - Research Design and Data Collection **Credits: 3**
- POLS 332 - Statistics and Data Analysis **Credits: 3**
- POLS 499 - Senior Seminar in Political Science **Credits: 3**

One course selected from:

- POLS 309 - American Political Theory **Credits: 3**
- POLS 445 - Ancient Political Theory **Credits: 3**
- POLS 446 - Modern Political Theory **Credits: 3**

Electives (15 hours)

- CRIM 301 - Criminal Justice Administration **Credits: 3**
- CRIM 302 - Criminal Law **Credits: 3**
- POLS 202 - Introduction to Public Administration **Credits: 3**
- POLS 203 - Introduction to the Policy Process in the United States **Credits: 3**
- POLS 208 - Law, Courts, and Justice **Credits: 3**
- POLS 305 - State and Local Government **Credits: 3**
- POLS 306 - Political Parties **Credits: 3**
- POLS 309 - American Political Theory **Credits: 3**
- POLS 314 - The American Presidency **Credits: 3**
- POLS 351 - Leadership in Bureaucratic Organizations in the United States **Credits: 3**
- POLS 361 - Intergovernmental Relations in the United States **Credits: 3**
- POLS 363 - Public Organizational Behavior **Credits: 3**
- POLS 371 - The United Nations **Credits: 3**
- POLS 383 - Government and Politics of Latin America **Credits: 3**
- POLS 384 - The Middle East **Credits: 3**
- POLS 385 - Western European Politics **Credits: 3**
- POLS 399 - Advanced Topics in Political Science **Credits: 3**
- POLS 404 - Indiana Constitutional Law **Credits: 3**
- POLS 405 - Constitutional Law **Credits: 3**
- POLS 406 - Constitutional Rights **Credits: 3**
- POLS 407 - The Legislative Process **Credits: 3**
- POLS 410 - Interest Groups and Public Policy **Credits: 3**
- POLS 427 - Urban Politics and Governance **Credits: 3**
- POLS 445 - Ancient Political Theory **Credits: 3**
- POLS 446 - Modern Political Theory **Credits: 3**
- POLS 464 - Environmental Politics and Policy **Credits: 3**

- POLS 471 - International Organizations **Credits: 3**
- POLS 473 - International Law **Credits: 3**
- POLS 487 - Government and Politics of Post-Communist States **Credits: 3**
- POLS 495 - Judicial Internship **Credits: 3**
- POLS 496 - Legal Internship **Credits: 3**
- POLS 497 - Legislative Internship **Credits: 6**
- POLS 498 - Research in Political Science **Credits: 3**
- POLS 499 - Senior Seminar in Political Science **Credits: 3**

Additional Requirement

Political Science majors also must complete one course (3 hours) in one of these disciplines: economics, psychology, or sociology.

Legal Studies Minor

21 hours; 2.5 minor GPA required

The Legal Studies minor is an interdisciplinary minor, including courses from disciplines such as economics, criminal justice, business, communications, political science, and anthropology. The minor is aimed at students who wish to pursue legal careers that do not require a law degree (i.e. paralegals), or who may wish to work in a variety of settings (law firms, corporations, government agencies, etc). They may also pursue careers in business, banking, or real estate.

Students who complete the Political Science or Criminal Justice Studies major may count up to six hours of credit from the major toward the Legal Studies minor.

Required University Core courses

- CMST 101 - Introduction to Public Speaking **Credits: 3**
- POLS 102 - Introduction to American Politics **Credits: 3**
- PHIL 201 - Introduction to Ethics **Credits: 3**

Required Foundations courses (12 hours)

Complete two courses from this list:

- CMST 107 - Introduction to Interpersonal Communication **Credits: 3**
- PHIL 205 - Introduction to Logic **Credits: 3**
- ENG 301 - Advanced Composition **Credits: 3**
- ECON 327 - Applied Cost-Benefit Analysis **Credits: 3**

Complete two courses from this list:

- CRIM 234 - Introduction to Corrections **Credits: 3**
- CRIM 244 - Police & Society **Credits: 3**
- POLS 208 - Law, Courts, and Justice **Credits: 3**

- SOC 225 - Criminology **Credits: 3**

Electives (9 hours)

No more than one course may be taken at the lower-level. No more than six hours may be selected among POLS 399 and CRIM 370 .

No more than one lower-level course:

- ANTH 211 - Introduction to Forensic Anthropology **Credits: 3**
- BLAW 263 - Legal Environment of Business **Credits: 3**
- ECON 208 - Principles of Microeconomics **Credits: 3**

No more than six hours (any combination) from among:

- CRIM 370 - Seminar in Criminal Justice **Credits: 3** (approved topic: U.S. Criminal Courts)
- POLS 399 - Advanced Topics in Political Science **Credits: 3** (approved topics: Gender, Politics & Policy; Constitutional Cases & Context)

Additional electives:

- BLAW 363 - Law for the Entrepreneur **Credits: 3**
- COMM 494 - Mass Communication Law and Ethics **Credits: 3**
- CRIM 302 - Criminal Law **Credits: 3**
- CRIM 411 - Criminal Procedure **Credits: 3**
- PHIL 441 - Political and Legal Philosophy **Credits: 3**
- POLS 404 - Indiana Constitutional Law **Credits: 3**
- POLS 405 - Constitutional Law **Credits: 3**
- POLS 406 - Constitutional Rights **Credits: 3**
- POLS 464 - Environmental Politics and Policy **Credits: 3**
- POLS 473 - International Law **Credits: 3**
- POLS 495 - Judicial Internship **Credits: 3**
- POLS 496 - Legal Internship **Credits: 3**
- POLS 497 - Legislative Internship **Credits: 6**

Political Science Minor

24 hours; 2.0 minor GPA required

Required Courses (18 hours)

- POLS 102 - Introduction to American Politics **Credits: 3**
- POLS 202 - Introduction to Public Administration **Credits: 3 or**
- POLS 203 - Introduction to the Policy Process in the United States **Credits: 3**
- POLS 271 - International Politics **Credits: 3 or**
- POLS 281 - Comparative Politics **Credits: 3**
- POLS 232 - Research Design and Data Collection **Credits: 3**
- POLS 332 - Statistics and Data Analysis **Credits: 3**

Choose one course

- POLS 309 - American Political Theory **Credits: 3**
- POLS 445 - Ancient Political Theory **Credits: 3**
- POLS 446 - Modern Political Theory **Credits: 3**

Electives (6 hours)

- CRIM 301 - Criminal Justice Administration **Credits: 3**
- CRIM 302 - Criminal Law **Credits: 3**
- POLS 202 - Introduction to Public Administration **Credits: 3**
- POLS 203 - Introduction to the Policy Process in the United States **Credits: 3**
- POLS 208 - Law, Courts, and Justice **Credits: 3**
- POLS 299 - Special Topics in Political Science **Credits: 3**
- POLS 305 - State and Local Government **Credits: 3**
- POLS 306 - Political Parties **Credits: 3**
- POLS 309 - American Political Theory **Credits: 3**
- POLS 314 - The American Presidency **Credits: 3**
- POLS 351 - Leadership in Bureaucratic Organizations in the United States **Credits: 3**
- POLS 361 - Intergovernmental Relations in the United States **Credits: 3**
- POLS 363 - Public Organizational Behavior **Credits: 3**
- POLS 371 - The United Nations **Credits: 3**
- POLS 383 - Government and Politics of Latin America **Credits: 3**
- POLS 384 - The Middle East **Credits: 3**
- POLS 385 - Western European Politics **Credits: 3**
- POLS 399 - Advanced Topics in Political Science **Credits: 3**
- POLS 404 - Indiana Constitutional Law **Credits: 3**
- POLS 405 - Constitutional Law **Credits: 3**
- POLS 406 - Constitutional Rights **Credits: 3**
- POLS 407 - The Legislative Process **Credits: 3**
- POLS 410 - Interest Groups and Public Policy **Credits: 3**
- POLS 427 - Urban Politics and Governance **Credits: 3**
- POLS 445 - Ancient Political Theory **Credits: 3**
- POLS 446 - Modern Political Theory **Credits: 3**
- POLS 471 - International Organizations **Credits: 3**
- POLS 473 - International Law **Credits: 3**
- POLS 487 - Government and Politics of Post-Communist States **Credits: 3**
- POLS 495 - Judicial Internship **Credits: 3**
- POLS 496 - Legal Internship **Credits: 3**
- POLS 497 - Legislative Internship **Credits: 6**
- POLS 498 - Research in Political Science **Credits: 3**
- POLS 499 - Senior Seminar in Political Science **Credits: 3**

Pre-Law Minor

21 hours; 3.0 minor GPA required

The Pre-Law minor is an interdisciplinary minor, including courses from disciplines such as economics, criminal justice, business, communications, political science, and anthropology. The minor is aimed at students who wish to attend a law school.

Students who complete the Political Science or Sociology major may count up to six hours of credit from the major toward the Pre-Law minor.

Required University Core courses

- CMST 101 - Introduction to Public Speaking **Credits: 3**
- POLS 102 - Introduction to American Politics **Credits: 3**
- PHIL 201 - Introduction to Ethics **Credits: 3**

Required Foundations courses (12 hours)

- CMST 107 - Introduction to Interpersonal Communication **Credits: 3**
- PHIL 205 - Introduction to Logic **Credits: 3**
- ENG 301 - Advanced Composition **Credits: 3**
- ECON 327 - Applied Cost-Benefit Analysis **Credits: 3**

Electives (9 hours)

No more than one course may be taken at the lower-level. No more than six hours may be selected among POLS 399 and CRIM 370 .

No more than one lower-level course:

- ANTH 211 - Introduction to Forensic Anthropology **Credits: 3**
- BLAW 263 - Legal Environment of Business **Credits: 3**
- ECON 208 - Principles of Microeconomics **Credits: 3**
- POLS 208 - Law, Courts, and Justice **Credits: 3**

No more than six hours (any combination) from among:

- CRIM 370 - Seminar in Criminal Justice **Credits: 3** (approved topic: U.S. Criminal Courts)
- POLS 399 - Advanced Topics in Political Science **Credits: 3** (approved topics: Gender, Politics & Policy; Constitutional Cases & Context)

Additional electives:

- BLAW 363 - Law for the Entrepreneur **Credits: 3**
- COMM 494 - Mass Communication Law and Ethics **Credits: 3**
- CRIM 302 - Criminal Law **Credits: 3**
- CRIM 411 - Criminal Procedure **Credits: 3**
- PHIL 441 - Political and Legal Philosophy **Credits: 3**
- POLS 404 - Indiana Constitutional Law **Credits: 3**
- POLS 405 - Constitutional Law **Credits: 3**
- POLS 406 - Constitutional Rights **Credits: 3**
- POLS 464 - Environmental Politics and Policy **Credits: 3**
- POLS 473 - International Law **Credits: 3**
- POLS 495 - Judicial Internship **Credits: 3**
- POLS 496 - Legal Internship **Credits: 3**
- POLS 497 - Legislative Internship **Credits: 6**

Psychology

The study of psychology provides students with a framework for understanding human behavior in its many facets. Grounded firmly within the liberal arts tradition, the USI psychology curriculum encourages the development of the capacity to think clearly, analyze problems, and communicate effectively. The departmental major emphasizes the application of quantitative methods to the study of behavior, as well as the application of psychological principles to solving human problems. Psychology majors frequently develop careers in counseling, rehabilitation, and other helping professions, as well as in personnel, business, sales, research, and teaching. Students pursue either a Bachelor of Science or a Bachelor of Arts degree. The latter requires 12 hours of non-English modern or classical language study.

Internships and research experiences are available in many areas.

Psychology Major, B.A./B.S.

41 hours; 2.0 major GPA required

Required courses (26 hours)

- PSY 201 - Introduction to Psychology **Credits: 3**
- PSY 202 - Orientation to a Major in Psychology **Credits: 1**
- PSY 303 - Research Methods and Statistics I **Credits: 3**
- PSY 353 - Research Methods and Statistics II **Credits: 4**
- PSY 497 - Capstone in Psychology: History and Systems **Credits: 3**

Two of the following courses:

- PSY 312 - Sensation and Perception **Credits: 3**
- PSY 357 - Learning Theory **Credits: 3**
- PSY 385 - Physiological Psychology **Credits: 3**
- PSY 425 - Cognitive Psychology **Credits: 3**

Two of the following courses:

- PSY 261 - Lifespan Developmental Psychology **Credits: 3**
- PSY 273 - Social Psychology **Credits: 3**
- PSY 322 - Abnormal Psychology **Credits: 3**
- PSY 462 - Personality **Credits: 3**

Elective courses (15 hours)

- PSY 261 - Lifespan Developmental Psychology **Credits: 3**
- PSY 273 - Social Psychology **Credits: 3**
- PSY 298 - Human Sexuality **Credits: 3**
- PSY 312 - Sensation and Perception **Credits: 3**
- PSY 322 - Abnormal Psychology **Credits: 3**
- PSY 332 - Forensic Psychology **Credits: 3**

- PSY 357 - Learning Theory **Credits: 3**
- PSY 361 - Child and Adolescent Psychology **Credits: 3**
- PSY 362 - Clinical Psychology **Credits: 3**
- PSY 371 - Adulthood and Aging **Credits: 3**
- PSY 376 - Industrial Psychology **Credits: 3**
- PSY 377 - Sport Psychology **Credits: 3**
- PSY 381 - Psychology of Gender **Credits: 3**
- PSY 385 - Physiological Psychology **Credits: 3**
- PSY 386 - Psycholinguistics **Credits: 3**
- PSY 400 - Special Topics in Psychology **Credits: 3**
- PSY 422 - Psychopathology in Children and Adolescents **Credits: 3**
- PSY 425 - Cognitive Psychology **Credits: 3**
- PSY 435 - Community Psychology **Credits: 3**
- PSY 462 - Personality **Credits: 3**
- PSY 476 - Psychometrics **Credits: 3**
- PSY 498 - Internship **Credits: 3** (no more than 3 hours can apply toward the major)

Psychology Minor

18 hours; 2.0 minor GPA required

Required course (3 hours)

- PSY 201 - Introduction to Psychology **Credits: 3**

Directed Electives (15 hours)

15 hours of psychology courses excluding PSY 498 and PSY 499, with at least six hours at the 300 or 400 level.

Social Work

The Department of Social Work offers a minor in Social Work, a Bachelor of Social Work (BSW), and a Master of Social Work (MSW).

Social Work Major, B.S.W.

The Bachelor of Social Work program is designed to prepare students for entry into social work positions within local, state, and federal social service agencies and programs. This program is fully accredited by the Council on Social Work Education.

Students graduating from the program will possess a solid liberal arts foundation through Core 39 integrated with professional social work knowledge. The principal educational objective of the program is to prepare students for beginning competency-based social work practice. The focus of the program is to prepare generalist bachelor's level practitioners with the knowledge, skills, and ethical principles needed for work with diverse populations. Students will be prepared to work with a variety of client systems including: individuals, families, groups, organizations, institutions, communities, and society in general.

Curriculum content is carefully constructed to expose students to the following core knowledge areas:

- social welfare issues and policies
- human behavior in the social environment

- social systems theory
- knowledge and skills in conducting social work research
- problem-solving theory and methodology
- generalist intervention model
- knowledge of client populations
- knowledge of social service programs and agencies
- human diversity
- oppression and discrimination
- at-risk populations
- promotion of social and economic justice
- professional social work values and ethics
- practice/intervention skills and integrative field experience

Admission

The philosophy of the program is geared toward preparing the highest-quality professional for the social work field. Therefore, students interested in a major in social work must be admitted into the program. The student must satisfy the following requirements for admission:

- Students are required to review and update their student academic file in the Social Work Department at the start of the application process. Included in the file should be a current copy of all college and university transcripts for each institution the student has attended.
- A cumulative GPA of 2.75 on a 4.0 scale is required for admission to the social work program. The prerequisite courses must be completed by the beginning of the semester a student plans to enroll in courses identified for majors only.
- Completion of the following 12 hours of social work prerequisite courses with a 2.75 GPA and a grade no lower than C in each class. (At least two of the courses must have an official grade at the time an application is submitted.) SOCW 221 - Introduction to Social Work, 3 hours SOCW 222 - Social Welfare: Emergence of the Social Services, 3 hours SOCW 239 - Human Behavior and the Social Environment, 3 hours SOCW 241 - Social Work Intervention, 3 hours
- Completion of 30 hours of Core 39 courses with a minimum grade of C in each of the following courses:
 - Composition – ENG 101 - Rhetoric and Composition I: Literacy and the Self
 - Natural Science with Lab - BIOL 105 - Biology of Human Concern
 - Social Science/Diversity:
 - PSY 201 - Introduction to Psychology
 - PSY 261 - Lifespan Developmental Psychology
 - SOC 121 - Principles of Sociology
 - POLS 102 - Introduction to American Politics.
Students who attend a junior college may take State and Local Government.
 - A math class at 100 level or higher with a minimum grade of C.
- Transfer students will be evaluated on an individual basis. They must meet the minimum course work requirement(s) or their equivalent(s) to be eligible for admission to the program.
- Completion of the application is required. It is the applicant's responsibility to provide all materials to the Social Work Department by the application deadline. The application must be complete to be reviewed by the admission committee.
- A personal interview and/or additional evaluative data may be required of applicants.

NOTE: The program does not grant academic credit for life or work experience in lieu of social work courses or field content. Students must complete all Core 39 requirements, to complete the BSW program.

The evaluation process will focus on academic standards and additional criteria, including evidence of a commitment to social work values, basic understanding of social work, professional attitude, and evidence of good writing and oral communication skills.

All eligible students are invited to apply. The program actively encourages minorities and students from diverse backgrounds to apply. The program does not discriminate on the basis of race, color, gender, sexual orientation, age, religion, national origin, marital status, political belief, or disability.

Upon completion of the application process, students will be notified of the admission decision in writing. It should be noted there is a "cap" on admissions; only a limited number of qualified students are admitted each year. Students denied admission into the Bachelor of Social Work program have the right to appeal the decision. Students who are admitted into the program must achieve a C+ or better in all social work classes, with the exception of statistics in which a C or better is required, and a minimum overall grade point average of 2.75 on a 4.0 scale. Students who fail to progress in their course work for more than one semester will be required to reapply to the program. Students who are not enrolled for two semesters or longer will be required to graduate under the bulletin in effect at the time they re-enter.

Major – Social Work (51 hours)

Required Courses

2.75 GPA and no grade lower than C required in the following four courses:

- SOCW 221 - Introduction to Social Work **Credits: 3**
- SOCW 222 - Social Welfare: Emergence of the Social Services **Credits: 3**
- SOCW 239 - Human Behavior and the Social Environment **Credits: 3**
- SOCW 241 - Social Work Intervention **Credits: 3**

C or better required in:

- SOCW 325 - Introduction to Social Work Statistics **Credits: 3**

C+ or better required in:

- SOCW 326 - Introduction to Social Work Research **Credits: 3**
- SOCW 340 - Communications Skills **Credits: 3**
- SOCW 341 - Social Welfare Policy-Program and Service Delivery Analysis **Credits: 3**
- SOCW 342 - Social Work Practice with Micro Systems I **Credits: 3**
- SOCW 343 - Social Work Practice with Micro Systems II **Credits: 3**
- SOCW 344 - Social Work Practice with Macro Systems **Credits: 3**
- SOCW 401 - Social Work Practicum I **Credits: 3**
- SOCW 402 - Social Work Practice I **Credits: 3**
- SOCW 411 - Social Work Practicum II **Credits: 6**
- SOCW 412 - Social Work Practice II-Integration Seminar for Social Work Practicum II **Credits: 3**
- SOCW 413 - BSW Project-Research Study **Credits: 3**

Note(s):

A student must be admitted to the social work program before enrolling in courses designated for majors only.

Social Work Electives

The following courses are not part of the required core and are open to all students:

- SOCW 223 - Introduction to Gerontology **Credits: 3**
- SOCW 224 - Introduction to Social Justice **Credits: 3**
- SOCW 225 - Child Welfare Services **Credits: 3**

- SOCW 238 - Disabilities in Contemporary Society **Credits: 3**
- SOCW 323 - Social Work Practice with the Aged **Credits: 3**
- SOCW 390 - Independent Study in Social Work **Credits: 1-3**
- SOCW 392 - Global Social Work **Credits: 3**
- SOCW 400 - Special Topics in Human Service Practice **Credits: 3**

Social Work Minor

18 hours

Required courses (12 hours)

- SOCW 221 - Introduction to Social Work **Credits: 3**
- SOCW 222 - Social Welfare: Emergence of the Social Services **Credits: 3**
- SOCW 239 - Human Behavior and the Social Environment **Credits: 3**
- SOCW 241 - Social Work Intervention **Credits: 3**

Electives (6 hours)

Six (6) hours selected from the following list of courses; three (3) of the hours must be at the 300-400 level:

- SOCW 223 - Introduction to Gerontology **Credits: 3**
- SOCW 224 - Introduction to Social Justice **Credits: 3**
- SOCW 225 - Child Welfare Services **Credits: 3**
- SOCW 238 - Disabilities in Contemporary Society **Credits: 3**
- SOCW 323 - Social Work Practice with the Aged **Credits: 3**
- SOCW 390 - Independent Study in Social Work **Credits: 1-3**
- SOCW 392 - Global Social Work **Credits: 3**
- SOCW 400 - Special Topics in Human Service Practice **Credits: 3**

Sociology, Anthropology, and Criminal Justice Studies

Sociology

Students interested in sociology may elect a major or a minor as part of the liberal arts program leading to the Bachelor of Arts degree or Bachelor of Science degree. The Bachelor of Arts degree requires 12 hours of a non-English modern or classical language.

Students can elect to have anthropology courses included in their sociology major/minor and several sociology courses are part of the criminal justice studies program. Many students choose sociology because it is a broad liberal arts base for several professions such as law, criminal justice, education, medicine, social work, and counseling. The undergraduate degree provides strong preparation for a variety of business, social service, and government careers. The USI sociology program emphasizes practical and theoretical skills including: critical thinking about the social world, computer applications, writing and communication skills, and community engagement.

Anthropology

Anthropology examines human diversity in a global context. It is the study and understanding of humans in all places and throughout time, including the effects of culture on individuals and of individuals on their society. Anthropology offers a perspective for critically analyzing culture and prepared students for multicultural career settings in the United States and abroad. The anthropology program includes coursework from all three major subfields: archaeology, physical anthropology, and cultural.

Criminal Justice Studies

Students interested in criminal justice studies (CJS) may elect a major or minor as part of the liberal arts program leading to the Bachelor of Arts or Bachelor of Science degree. The Bachelor of Arts degree requires 12 hours of non-English modern or classical language.

Students will learn the basic four areas of the discipline: policing, law, corrections, and criminology in the introductory courses, and then will be able to specialize in their area of choice through upper division electives.

Criminal Justice Studies is a multi-disciplinary major with contributions from the fields of sociology, political science, and anthropology.

Several of the required and elective courses in the criminal justice studies major are listed under their respective disciplines such as sociology and political science.

Criminal Justice Studies requires students to complete the pre-criminal justice requirements and have a cumulative GPA of 2.50 before being accepted as criminal justice studies majors. Students must also maintain a 2.50 GPA in the CJS major.

Anthropology Major, B.A./B.S.

33 hours; 2.0 major GPA required

Introductory Courses (9 hours)

- ANTH 111 - Introduction to World Cultures **Credits: 3**
- ANTH 121 - Introduction to Archaeology **Credits: 3**
- ANTH 131 - Introduction to Physical Anthropology **Credits: 3**

Methods Course (3-6 hours)

Select one of the following:

- ANTH 397 - Archaeological Field School **Credits: 6** (summer only)
- ANTH 401 - Anthropology Lab Methods **Credits: 3**
- ANTH 402 - Ethnography **Credits: 3**

Theory (3 hours)

- ANTH 475 - History of Anthropological Thought **Credits: 3**

Cultural/Linguistic Subfields (6 hours; choose 2 courses)

- ANTH 322 - Cultural Ecology **Credits: 3**
- ANTH 323 - Native Peoples of North America **Credits: 3**
- ANTH 324 - Peoples of Asia **Credits: 3**
- ANTH 325 - Peoples of Latin America **Credits: 3**
- ANTH 326 - Peoples of Africa **Credits: 3**
- ANTH 370 - Cultural Anthropology Seminar **Credits: 3**
- SOC 370 - Seminar in Sociology **Credits: 3** (Approved topic: Globalization)

No more than one course from the following:

- FREN 365 - Introduction to Applied Linguistics **Credits: 3**
- GERM 365 - Introduction to Applied Linguistics **Credits: 3**
- SPAN 365 - Introduction to Applied Linguistics **Credits: 3**

Archaeology/Physical Subfields (6 hours; choose 2 courses)

- ANTH 342 - Archaeology of North America **Credits: 3**
- ANTH 343 - Archaeology of Mesoamerica **Credits: 3**
- ANTH 344 - Archaeology of Greece **Credits: 3**
- ANTH 345 - Prehistory of Europe **Credits: 3**
- ANTH 380 - Archaeology Seminar **Credits: 3**
- ANTH 352 - Primatology **Credits: 3**
- ANTH 353 - Human Origins **Credits: 3**
- ANTH 354 - Human Osteology **Credits: 3**
- ANTH 355 - Human Variation **Credits: 3**
- ANTH 390 - Physical Anthropology Seminar **Credits: 3**

Electives (3-6 hours)

Select additional electives to total 33 hours in the major. Choose from unused courses listed above or from the following list:

No more than 3 hours of lower-level coursework:

- ANTH 200 - Special Topics in Anthropology **Credits: 3**
- ANTH 211 - Introduction to Forensic Anthropology **Credits: 3**
- ANTH 221 - Archaeology: Fact and Fiction **Credits: 3**
- ANTH 235 - American Life **Credits: 3**
- ANTH 241 - The Supernatural **Credits: 3**

repeatable courses (with topic change):

- ANTH 370 - Cultural Anthropology Seminar **Credits: 3**
- ANTH 380 - Archaeology Seminar **Credits: 3**
- ANTH 390 - Physical Anthropology Seminar **Credits: 3**

Language Requirement (6 hours)

Anthropology majors must also complete 6 hours of language coursework (excluding FREN 365, GERM 365, and SPAN 365). Some courses may apply toward the University Core Curriculum/Core 39. Select courses in French, German, Spanish, Arabic, Chinese, Japanese, or Latin.

Criminal Justice Studies Major, B.A./B.S.

Pre-CJS program (30 hours)

Core 39 Courses (18 hours)

C or better required

- ENG 101 - Rhetoric and Composition I: Literacy and the Self **Credits: 3**
- CMST 101 - Introduction to Public Speaking **Credits: 3 or**
- CMST 107 - Introduction to Interpersonal Communication **Credits: 3**
- Core 39 approved Math course **Credits: 3-4**
- PHIL 201 - Introduction to Ethics **Credits: 3 or**
- Core 39 approved Moral and Ethical Reasoning course **Credits: 3**
- SOC 121 - Principles of Sociology **Credits: 3**
- POLS 102 - Introduction to American Politics **Credits: 3**

Required Pre-Admission Courses (12 hours)

C+ or better required

- CRIM 234 - Introduction to Corrections **Credits: 3**
- CRIM 244 - Police & Society **Credits: 3**
- SOC 225 - Criminology **Credits: 3**
- POLS 208 - Law, Courts, and Justice **Credits: 3**

Additional Information

Student must have a Cumulative GPA of 2.5 and a grade of C or better in each required Core 39 course, and a C+ or better in each Pre-CJS required course to change from Pre-CJS to CJS status. Student must maintain a GPA of 2.5 to major in CJS.

CJS program (27 hours)

- CRIM 371 - Criminological Theory **Credits: 3**
- CRIM 475 - Criminal Justice Studies Capstone **Credits: 3**
- SOC 391 - Introduction to Sociological Research **Credits: 3 and**
- SOC 392 - Statistics for Social Research **Credits: 3**
- **or**
- POLS 232 - Research Design and Data Collection **Credits: 3 and**
- POLS 332 - Statistics and Data Analysis **Credits: 3**

One diversity course

- CRIM 331 - Gender and Crime **Credits: 3**
- CRIM 370 - Seminar in Criminal Justice **Credits: 3** (Approved topics: Race & Crime; Urban Crime; Diversity in Policing)
- CRIM 403 - Violence Against Women **Credits: 3**
- SOC 421 - Race and Ethnicity **Credits: 3**
- SOC 431 - Gender and Society **Credits: 3**
- SOC 463 - Wealth and Poverty **Credits: 3**

CJS Electives (12 hours)

Select four courses, three of which must be 300/400-level.

Policing

- CRIM 411 - Criminal Procedure **Credits: 3**
- CRIM 412 - Police Discretion **Credits: 3**
- CRIM 370 - Seminar in Criminal Justice **Credits: 3** (Policing Topic)

Law

- CRIM 302 - Criminal Law **Credits: 3**
- CRIM 370 - Seminar in Criminal Justice **Credits: 3** (Law/Courts Topic)
- POLS 405 - Constitutional Law **Credits: 3**
- POLS 406 - Constitutional Rights **Credits: 3**

Criminology

- CRIM 312 - Organized Crime **Credits: 3**
- SOC 335 - Juvenile Delinquency **Credits: 3**
- SOC 426 - Sociology of Deviant Behavior **Credits: 3**
- SOC 370 - Seminar in Sociology **Credits: 3** (Hate Groups & Hate Crimes)

Corrections

- CRIM 311 - Convict Criminology **Credits: 3**
- CRIM 401 - Probation and Parole **Credits: 3**
- CRIM 370 - Seminar in Criminal Justice **Credits: 3** (Corrections Topic)

General CJS & Cognates

- ANTH 211 - Introduction to Forensic Anthropology **Credits: 3 or**
- CRIM 200 - Special Topics in Criminal Justice **Credits: 3**

- CRIM 301 - Criminal Justice Administration **Credits: 3**
- CRIM 331 - Gender and Crime **Credits: 3**
- CRIM 370 - Seminar in Criminal Justice **Credits: 3**
- CRIM 489 - Independent Study in Criminal Justice **Credits: 3**
- SOC 370 - Seminar in Sociology **Credits: 3** (Approved topic: Social Networks)

Internships

- CRIM 499 - Internship in Criminal Justice **Credits: 3**
- POLS 496 - Legal Internship **Credits: 3**

Sociology Major, B.A./B.S.

39 hours; 2.0 major GPA required

Required courses (18 hours)

- SOC 121 - Principles of Sociology **Credits: 3**
- SOC 370 - Seminar in Sociology **Credits: 3**
- SOC 371 - Classical Sociological Theory **Credits: 3**
- SOC 372 - Contemporary Sociological Theory **Credits: 3**
- SOC 391 - Introduction to Sociological Research **Credits: 3**
- SOC 392 - Statistics for Social Research **Credits: 3**

Electives (21 hours)

At least 12 hours of upper-level coursework selected from:

- SOC 335 - Juvenile Delinquency **Credits: 3**
- SOC 341 - Sociology of Medicine **Credits: 3**
- SOC 343 - Sociology of Death and Dying **Credits: 3**
- SOC 345 - Simulated Games of Society **Credits: 3**
- SOC 370 - Seminar in Sociology **Credits: 3**
(different topic than one applied to above required courses)
- SOC 375 - Social Change **Credits: 3**
- SOC 415 - Sociology of the Environment **Credits: 3**
- SOC 421 - Race and Ethnicity **Credits: 3**
- SOC 424 - Population **Credits: 3**
- SOC 426 - Sociology of Deviant Behavior **Credits: 3**
- SOC 431 - Gender and Society **Credits: 3**
- SOC 441 - Social Movements **Credits: 3**
- SOC 461 - Sociological Issues in Education **Credits: 3**
- SOC 463 - Wealth and Poverty **Credits: 3**

Additional electives:

- SOC 200 - Special Topics in Sociology **Credits: 3**
- SOC 225 - Criminology **Credits: 3**
- SOC 231 - Social Problems **Credits: 3**

- SOC 251 - Principles of Social Psychology **Credits: 3**
- SOC 261 - Marriage and Family **Credits: 3**
- SOC 489 - Independent Study **Credits: 1-3**
- SOC 499 - Internship in Sociology **Credits: 3**

No more than two Anthropology courses:

- ANTH 121 - Introduction to Archaeology **Credits: 3**
- ANTH 200 - Special Topics in Anthropology **Credits: 3**
- ANTH 323 - Native Peoples of North America **Credits: 3**
- ANTH 324 - Peoples of Asia **Credits: 3**
- ANTH 325 - Peoples of Latin America **Credits: 3**
- ANTH 342 - Archaeology of North America **Credits: 3**
- ANTH 353 - Human Origins **Credits: 3**

Anthropology Minor

18 hours

A minor is available in the field of anthropology. The minor consists of 18 hours; six hours must be at the 300–400 level. Coursework is directed toward cultural anthropology, physical anthropology, or archaeology. No more than six hours of anthropology may be applied toward the sociology major.

Required Courses (9-12 Hours)

Select 2 of the following

- ANTH 111 - Introduction to World Cultures **Credits: 3**
- ANTH 121 - Introduction to Archaeology **Credits: 3**
- ANTH 131 - Introduction to Physical Anthropology **Credits: 3**

Select 1 of the following

- ANTH 333 - Cultural Anthropology **Credits: 3**
- ANTH 397 - Archaeological Field School **Credits: 6**

Electives (6-9 Hours)

- ANTH 111 - Introduction to World Cultures **Credits: 3**
- ANTH 121 - Introduction to Archaeology **Credits: 3**
- ANTH 131 - Introduction to Physical Anthropology **Credits: 3**
- ANTH 200 - Special Topics in Anthropology **Credits: 3**
- ANTH 211 - Introduction to Forensic Anthropology **Credits: 3**
- ANTH 353 - Human Origins **Credits: 3**
- ANTH 370 - Cultural Anthropology Seminar **Credits: 3**
- ANTH 397 - Archaeological Field School **Credits: 6**
- ANTH 489 - Independent Study in Anthropology **Credits: 3**

- ANTH 499 - Internship in Anthropology **Credits: 3**
- ENG 313 - Introduction to Linguistics **Credits: 3**

Criminal Justice Minor

18 hours; 2.0 minor GPA required

If also completing a Sociology major, no more than nine hours of SOC courses from the Sociology major can be applied toward the Criminal Justice minor.

Required courses (6 hours)

Select two of the following:

- CRIM 234 - Introduction to Corrections **Credits: 3**
- CRIM 244 - Police & Society **Credits: 3**
- SOC 225 - Criminology **Credits: 3**
- POLS 208 - Law, Courts, and Justice **Credits: 3**

Electives (12 hours)

9 hours must be at 300/400 level

lower-level courses (no more than one):

- ANTH 211 - Introduction to Forensic Anthropology **Credits: 3**
- CRIM 200 - Special Topics in Criminal Justice **Credits: 3**
- CRIM 234 - Introduction to Corrections **Credits: 3**
- CRIM 244 - Police & Society **Credits: 3**
- SOC 225 - Criminology **Credits: 3**
- POLS 208 - Law, Courts, and Justice **Credits: 3**

upper-level courses:

- CRIM 301 - Criminal Justice Administration **Credits: 3**
- CRIM 302 - Criminal Law **Credits: 3**
- CRIM 311 - Convict Criminology **Credits: 3**
- CRIM 312 - Organized Crime **Credits: 3**
- CRIM 331 - Gender and Crime **Credits: 3**
- CRIM 370 - Seminar in Criminal Justice **Credits: 3**
- CRIM 371 - Criminological Theory **Credits: 3**
- CRIM 401 - Probation and Parole **Credits: 3**
- CRIM 403 - Violence Against Women **Credits: 3**
- CRIM 411 - Criminal Procedure **Credits: 3**
- CRIM 412 - Police Discretion **Credits: 3**
- CRIM 489 - Independent Study in Criminal Justice **Credits: 3**
- POLS 405 - Constitutional Law **Credits: 3**
- POLS 406 - Constitutional Rights **Credits: 3**
- SOC 335 - Juvenile Delinquency **Credits: 3**
- SOC 370 - Seminar in Sociology **Credits: 3** (Approved topics: Hate Groups/Hate Crimes; Social Const. of Drugs)

- SOC 426 - Sociology of Deviant Behavior **Credits: 3**

Sociology Minor

18 hours; 2.0 minor GPA required

Required Courses (9 hours)

- SOC 121 - Principles of Sociology **Credits: 3**
- SOC 370 - Seminar in Sociology **Credits: 3**
- One 300/400-level Sociology course **Credits: 3**

Electives (9 hours)

Advisor approved Sociology electives (one Anthropology course may be counted as an elective).

Social Science Major, A.A./A.S.

2.0 major GPA required

The associate degree program in social sciences is designed for students who anticipate the need for only two years of college education. Basically it reflects the training received in the first two years of a regular four-year program, and a student may, if he or she desires, continue on to a baccalaureate degree. At the same time, a student with an associate degree will have the satisfaction of having recognition for his or her efforts, and will be able to produce a tangible certification for prospective employers.

Required Core 39 Courses (35 hours)

- UNIV 101 - First Year Experience **Credits: 1**
- ENG 101 - Rhetoric and Composition I: Literacy and the Self **Credits: 3**
- ENG 201 - Rhetoric and Composition II: Literacy and the World **Credits: 3**

- CMST 101 - Introduction to Public Speaking **Credits: 3 or**
- CMST 107 - Introduction to Interpersonal Communication **Credits: 3**

- MATH 108 - Survey of Mathematics **Credits: 4 or**
- MATH 111 - College Algebra **Credits: 4**

- Foundations-Physical Activity and Wellness : **1**
- Ways of Knowing-Creative and Aesthetic Expression: **3**
- Ways of Knowing-Historical Inquiry: **3**
- Ways of Knowing-Moral and Ethical Reasoning: **3** (subject must be different from primary area)
- Ways of Knowing-Social Inquiry: **3**
- Ways of Knowing-World Languages and Culture: **3**
- Natural Science: **3**
- Embedded Experience-Diversity Credits: **3**

Social Science Primary Area (18 hours)

Select 18 hours in a single area of concentration selected from:

- Psychology
- Sociology
- Economics
- Political Science
- United States history
- World History

Elective Courses (12 hours)

Select 12 hours of additional electives.

World Languages and Cultures

The faculty of the Department of World Languages and Cultures is committed to providing students with language skills and cultural knowledge for professional and academic careers in the 21st century. We foster and strengthen communication among widely diverse constituencies at home and abroad through outreach programs, sustained partnerships and international study. As language-sensitive and language-functional citizens, we foster respect for others.

The department offers majors, minors, and teacher certification in French Studies, German Studies, and Spanish Studies. Latin students may choose a minor in Classical Studies. In addition, the department offers coursework through the advanced level in Japanese and the intermediate level in Arabic and Chinese.

French Studies Major, B.A.

30 hours; 2.0 major GPA required

French Studies Major

Required courses (21 hours)

- FREN 203 - Intermediate French I **Credits: 3**
- FREN 204 - Intermediate French II **Credits: 3**
- FREN 205 - Cultural Contexts for Conversation **Credits: 3**
- FREN 306 - Advanced French I **Credits: 3**
- FREN 307 - Advanced French II **Credits: 3**
- FREN 308 - Francophone Cultures **Credits: 3**
- FREN 325 - Introduction to Francophone Literature **Credits: 3**

Elective courses (9 hours)

6 hours must be taught in French

- FREN 275 - The French Film **Credits: 3 or**
- FREN 365 - Introduction to Applied Linguistics **Credits: 3**

- FREN 344 - Francophone Literature in Translation **Credits: 3**
- FREN 415 - French Civilization **Credits: 3**
- FREN 416 - 17th and 18th Centuries French Literature **Credits: 3**
- FREN 417 - 19th and 20th Centuries French Literature **Credits: 3**
- FREN 460 - Internship in French **Credits: 1-6**
- FREN 490 - Special Topics in French **Credits: 3**
- FREN 499 - Individual Study in French **Credits: 1-3**

Optional Concentration in Language and International Trade

Language majors may opt for a concentration in international trade and business. This concentration combines the study of a non-English modern or classical language (French, German, or Spanish) with a business core, culminating in an internship in an international business or organization.

Concentration in Language and International Trade

Required business courses (30 hours)

- ACCT 201 - Accounting Principles I **Credits: 3**
- ACCT 202 - Accounting Principles II **Credits: 3**
- CIS 151 - Computer Applications in Business **Credits: 3**

- FIN 201 - Fundamentals of Finance **Credits: 3 or**
- FIN 305 - Business Finance **Credits: 3**

- MNGT 305 - Principles of Management **Credits: 3**
- MKTG 305 - Principles of Marketing **Credits: 3**
- MNGT 445 - International Business **Credits: 3**

- ECON 265 - Elementary Statistics **Credits: 3 or**
- MATH 241 - Principles of Statistics **Credits: 3**

- directed business electives **Credits: 6**

Required courses outside the College of Business (13 hours)

- MATH 111 - College Algebra **Credits: 4**
- ECON 208 - Principles of Microeconomics **Credits: 3**
- ECON 209 - Principles of Macroeconomics **Credits: 3**
- PSY 201 - Introduction to Psychology **Credits: 3**

French Studies Teaching Major, B.A.

An all-grade education teaching major (grades P-12).

Teaching Major Grade and GPA Requirement

Students completing a teaching major must earn a grade of A in FREN 307, at least a 2.75 cumulative GPA, a 3.00 major GPA, and a grade of B or better in all courses applied toward degree requirements.

French Studies Teaching Major (36 hours)

Required courses (24 hours)

- FREN 203 - Intermediate French I **Credits: 3**
- FREN 204 - Intermediate French II **Credits: 3**
- FREN 205 - Cultural Contexts for Conversation **Credits: 3**
- FREN 306 - Advanced French I **Credits: 3**
- FREN 307 - Advanced French II **Credits: 3**
- FREN 308 - Francophone Cultures **Credits: 3**
- FREN 325 - Introduction to Francophone Literature **Credits: 3**
- FREN 365 - Introduction to Applied Linguistics **Credits: 3**

Elective courses (12 hours)

12 hours selected from French course offerings as directed by advisor (excluding FREN 101 and FREN 102)

P-12 Education Licensure minor

Students seeking a teaching major that leads to licensure in all grades (P-12) are required to complete the P-12 Education Licensure Minor.

Optional Concentration in Language and International Trade

Language majors may opt for a concentration in international trade and business. This concentration combines the study of a non-English modern or classical language (French, German, or Spanish) with a business core, culminating in an internship in an international business or organization.

Concentration in Language and International Trade

Required business courses (30 hours)

- ACCT 201 - Accounting Principles I **Credits: 3**
- ACCT 202 - Accounting Principles II **Credits: 3**
- CIS 151 - Computer Applications in Business **Credits: 3**

- FIN 201 - Fundamentals of Finance **Credits: 3 or**
- FIN 305 - Business Finance **Credits: 3**

- MNGT 305 - Principles of Management **Credits: 3**

- MKTG 305 - Principles of Marketing **Credits: 3**
- MNGT 445 - International Business **Credits: 3**

- ECON 265 - Elementary Statistics **Credits: 3 or**
- MATH 241 - Principles of Statistics **Credits: 3**

- directed business electives **Credits: 6**

Required courses outside the College of Business (13 hours)

- MATH 111 - College Algebra **Credits: 4**
- ECON 208 - Principles of Microeconomics **Credits: 3**
- ECON 209 - Principles of Macroeconomics **Credits: 3**
- PSY 201 - Introduction to Psychology **Credits: 3**

German Studies Major, B.A.

30 hours; 2.0 major GPA required

German Studies Major

Required courses (21 hours)

- GERM 203 - Intermediate German I **Credits: 3**
- GERM 204 - Intermediate German II **Credits: 3**
- GERM 205 - Cultural Contexts for Conversation **Credits: 3**
- GERM 306 - Advanced German I **Credits: 3**
- GERM 307 - Advanced German II **Credits: 3**
- GERM 308 - Germanic Cultures **Credits: 3**
- GERM 325 - Introduction to German Literature **Credits: 3**

Elective Courses (9 hours)

6 hours must be taught in German.

- GERM 275 - The German Film **Credits: 3 or**
- GERM 365 - Introduction to Applied Linguistics **Credits: 3**

- GERM 334 - Introduction to Modern German Drama **Credits: 3**
- GERM 335 - German for the Professional **Credits: 3**
- GERM 344 - Germanic Literature in Translation **Credits: 3**
- GERM 412 - Berlin: Tale of a City **Credits: 3**
- GERM 460 - Internship in German **Credits: 1-6**
- GERM 490 - Special Topics in German **Credits: 3**
- GERM 499 - Individual Study in German **Credits: 1-3**

Optional Concentration in Language and International Trade

Language majors may opt for a concentration in international trade and business. This concentration combines the study of a non-English modern or classical language (French, German, or Spanish) with a business core, culminating in an internship in an international business or organization.

Concentration in Language and International Trade

Required business courses (30 hours)

- ACCT 201 - Accounting Principles I **Credits: 3**
- ACCT 202 - Accounting Principles II **Credits: 3**
- CIS 151 - Computer Applications in Business **Credits: 3**

- FIN 201 - Fundamentals of Finance **Credits: 3 or**
- FIN 305 - Business Finance **Credits: 3**

- MNGT 305 - Principles of Management **Credits: 3**
- MKTG 305 - Principles of Marketing **Credits: 3**
- MNGT 445 - International Business **Credits: 3**

- ECON 265 - Elementary Statistics **Credits: 3 or**
- MATH 241 - Principles of Statistics **Credits: 3**

- directed business electives **Credits: 6**

Required courses outside the College of Business (13 hours)

- MATH 111 - College Algebra **Credits: 4**
- ECON 208 - Principles of Microeconomics **Credits: 3**
- ECON 209 - Principles of Macroeconomics **Credits: 3**
- PSY 201 - Introduction to Psychology **Credits: 3**

German Studies Teaching Major, B.A.

An all-grade education teaching major (grades P-12).

Teaching Major Grade and GPA Requirement

Students completing a teaching major must earn a grade of A in GERM 307, at least a 2.75 cumulative GPA, a 3.00 major GPA, and a grade of B or better in all courses applied toward degree requirements.

German Studies Teaching Major (36 hours)

Required courses (24 hours)

- GERM 203 - Intermediate German I **Credits: 3**
- GERM 204 - Intermediate German II **Credits: 3**
- GERM 205 - Cultural Contexts for Conversation **Credits: 3**
- GERM 306 - Advanced German I **Credits: 3**
- GERM 307 - Advanced German II **Credits: 3**
- GERM 308 - Germanic Cultures **Credits: 3**
- GERM 325 - Introduction to German Literature **Credits: 3**
- GERM 365 - Introduction to Applied Linguistics **Credits: 3**

Elective courses (12 hours)

12 hours selected from German course offerings as directed by advisor (excluding GERM 101 and GERM 102).

P-12 Education Licensure minor

Students seeking a teaching major that leads to licensure in all grades (P-12) are required to complete the P-12 Education Licensure Minor.

Optional Concentration in Language and International Trade

Language majors may opt for a concentration in international trade and business. This concentration combines the study of a non-English modern or classical language (French, German, or Spanish) with a business core, culminating in an internship in an international business or organization.

Concentration in Language and International Trade

Required business courses (30 hours)

- ACCT 201 - Accounting Principles I **Credits: 3**
- ACCT 202 - Accounting Principles II **Credits: 3**
- CIS 151 - Computer Applications in Business **Credits: 3**

- FIN 201 - Fundamentals of Finance **Credits: 3 or**
- FIN 305 - Business Finance **Credits: 3**

- MNGT 305 - Principles of Management **Credits: 3**
- MKTG 305 - Principles of Marketing **Credits: 3**
- MNGT 445 - International Business **Credits: 3**

- ECON 265 - Elementary Statistics **Credits: 3 or**
- MATH 241 - Principles of Statistics **Credits: 3**

- directed business electives **Credits: 6**

Required courses outside the College of Business (13 hours)

- MATH 111 - College Algebra **Credits: 4**
- ECON 208 - Principles of Microeconomics **Credits: 3**
- ECON 209 - Principles of Macroeconomics **Credits: 3**
- PSY 201 - Introduction to Psychology **Credits: 3**

Spanish Studies Major, B.A.

Spanish Studies Major

30 credit hours; 2.0 major GPA required

Required Courses (21 hours)

- SPAN 203 - Intermediate Spanish I **Credits: 3**
- SPAN 204 - Intermediate Spanish II **Credits: 3**
- SPAN 205 - Cultural Contexts for Conversation **Credits: 3**
- SPAN 306 - Advanced Spanish I **Credits: 3**
- SPAN 307 - Advanced Spanish II **Credits: 3**
- SPAN 308 - Hispanic Cultures **Credits: 3**
- SPAN 325 - Introduction to Hispanic Literature **Credits: 3**

Elective courses (9 hours)

6 hours must be taught in Spanish.

- SPAN 275 - The Hispanic Film **Credits: 3 or**
- SPAN 365 - Introduction to Applied Linguistics **Credits: 3**

- SPAN 303 - Spanish for Heritage Speakers **Credits: 3**
- SPAN 332 - US Latino Literature and Culture **Credits: 3**
- SPAN 333 - Afro-Latin American Studies **Credits: 3**
- SPAN 335 - Spanish for the Professional **Credits: 3**
- SPAN 344 - Hispanic Literature in Translation **Credits: 3**
- SPAN 402 - Composition and Stylistics **Credits: 3**
- SPAN 411 - Spanish Linguistics I **Credits: 3**
- SPAN 412 - Spanish Linguistics II **Credits: 3**
- SPAN 413 - Spanish American Narrative **Credits: 3**
- SPAN 414 - Hispanic Poetry **Credits: 3**
- SPAN 415 - The Hispanic Essay **Credits: 3**
- SPAN 417 - Hispanic Drama **Credits: 3**
- SPAN 454 - Golden Age Drama **Credits: 3**
- SPAN 460 - Internship in Spanish **Credits: 1-6**
- SPAN 490 - Special Topics in Spanish **Credits: 3**

- SPAN 499 - Individual Study in Spanish **Credits: 1-3**

Optional Concentration in Language and International Trade

Language majors may opt for a concentration in international trade and business. This concentration combines the study of a non-English modern or classical language (French, German, or Spanish) with a business core, culminating in an internship in an international business or organization.

Concentration in Language and International Trade

Required business courses (30 hours)

- ACCT 201 - Accounting Principles I **Credits: 3**
- ACCT 202 - Accounting Principles II **Credits: 3**
- CIS 151 - Computer Applications in Business **Credits: 3**

- FIN 201 - Fundamentals of Finance **Credits: 3 or**
- FIN 305 - Business Finance **Credits: 3**

- MNGT 305 - Principles of Management **Credits: 3**
- MKTG 305 - Principles of Marketing **Credits: 3**
- MNGT 445 - International Business **Credits: 3**

- ECON 265 - Elementary Statistics **Credits: 3 or**
- MATH 241 - Principles of Statistics **Credits: 3**

- directed business electives **Credits: 6**

Required courses outside the College of Business (13 hours)

- MATH 111 - College Algebra **Credits: 4**
- ECON 208 - Principles of Microeconomics **Credits: 3**
- ECON 209 - Principles of Macroeconomics **Credits: 3**
- PSY 201 - Introduction to Psychology **Credits: 3**

Spanish Studies Teaching Major, B.A.

An all-grade education teaching major (grades P-12).

Teaching Major Grade and GPA Requirement

Students completing a teaching major must earn a grade of A in SPAN 307, at least a 2.75 cumulative GPA, a 3.00 major GPA, and a grade of B or better in all courses applied toward degree requirements.

Spanish Studies Teaching Major (36 hours)

Required Courses (24 hours)

- SPAN 203 - Intermediate Spanish I **Credits: 3**
- SPAN 204 - Intermediate Spanish II **Credits: 3**
- SPAN 205 - Cultural Contexts for Conversation **Credits: 3**
- SPAN 306 - Advanced Spanish I **Credits: 3**
- SPAN 307 - Advanced Spanish II **Credits: 3**
- SPAN 308 - Hispanic Cultures **Credits: 3**
- SPAN 325 - Introduction to Hispanic Literature **Credits: 3**
- SPAN 365 - Introduction to Applied Linguistics **Credits: 3**

Elective Courses (12 hours)

12 hours selected from Spanish course offerings as directed by advisor (excluding SPAN 101 and SPAN 102).

P-12 Education Licensure minor

Students seeking a teaching major that leads to licensure in all grades (P-12) are required to complete the P-12 Education Licensure Minor.

Optional Concentration in Language and International Trade

Language majors may opt for a concentration in international trade and business. This concentration combines the study of a non-English modern or classical language (French, German, or Spanish) with a business core, culminating in an internship in an international business or organization.

Concentration in Language and International Trade

Required business courses (30 hours)

- ACCT 201 - Accounting Principles I **Credits: 3**
- ACCT 202 - Accounting Principles II **Credits: 3**
- CIS 151 - Computer Applications in Business **Credits: 3**

- FIN 201 - Fundamentals of Finance **Credits: 3 or**
- FIN 305 - Business Finance **Credits: 3**

- MNGT 305 - Principles of Management **Credits: 3**
- MKTG 305 - Principles of Marketing **Credits: 3**
- MNGT 445 - International Business **Credits: 3**

- ECON 265 - Elementary Statistics **Credits: 3 or**
- MATH 241 - Principles of Statistics **Credits: 3**

- directed business electives **Credits: 6**

Required courses outside the College of Business (13 hours)

- MATH 111 - College Algebra **Credits: 4**
- ECON 208 - Principles of Microeconomics **Credits: 3**
- ECON 209 - Principles of Macroeconomics **Credits: 3**
- PSY 201 - Introduction to Psychology **Credits: 3**

French Studies Minor

18 hours; 2.0 minor GPA required

Required courses (18 hours)

- FREN 203 - Intermediate French I **Credits: 3**
- FREN 204 - Intermediate French II **Credits: 3**
- FREN 205 - Cultural Contexts for Conversation **Credits: 3**
- FREN 306 - Advanced French I **Credits: 3**
- FREN 307 - Advanced French II **Credits: 3**
- FREN 308 - Francophone Cultures **Credits: 3**

French Studies Teaching Minor

24 hours

Teaching Minor Grade and GPA Requirement

Students completing a teaching major must earn a grade of A in FREN 307, at least a 2.75 cumulative GPA, a 3.00 major GPA, and a grade of B or better in all courses applied toward degree requirements.

Required courses (24 hours)

- FREN 203 - Intermediate French I **Credits: 3**
- FREN 204 - Intermediate French II **Credits: 3**
- FREN 205 - Cultural Contexts for Conversation **Credits: 3**
- FREN 306 - Advanced French I **Credits: 3**
- FREN 307 - Advanced French II **Credits: 3**
- FREN 308 - Francophone Cultures **Credits: 3**
- FREN 325 - Introduction to Francophone Literature **Credits: 3**
- FREN 365 - Introduction to Applied Linguistics **Credits: 3**

German Studies Minor

18 hours; 2.0 minor GPA required

Required courses (18 hours)

- GERM 203 - Intermediate German I **Credits: 3**
- GERM 204 - Intermediate German II **Credits: 3**
- GERM 205 - Cultural Contexts for Conversation **Credits: 3**
- GERM 306 - Advanced German I **Credits: 3**
- GERM 307 - Advanced German II **Credits: 3**
- GERM 308 - Germanic Cultures **Credits: 3**

German Studies Teaching Minor

24 hours

Teaching Minor Grade and GPA Requirement

Students completing a teaching minor must earn a grade of A in GERM 307, at least a 2.75 cumulative GPA, a 3.00 major GPA, and a grade of B or better in all courses applied toward degree requirements.

Required courses (24 hours)

- GERM 203 - Intermediate German I **Credits: 3**
- GERM 204 - Intermediate German II **Credits: 3**
- GERM 205 - Cultural Contexts for Conversation **Credits: 3**
- GERM 306 - Advanced German I **Credits: 3**
- GERM 307 - Advanced German II **Credits: 3**
- GERM 308 - Germanic Cultures **Credits: 3**
- GERM 325 - Introduction to German Literature **Credits: 3**
- GERM 365 - Introduction to Applied Linguistics **Credits: 3**

Spanish Studies Minor

18 hours; 2.0 minor GPA required

Required courses (18 hours)

- SPAN 203 - Intermediate Spanish I **Credits: 3**
- SPAN 204 - Intermediate Spanish II **Credits: 3**
- SPAN 205 - Cultural Contexts for Conversation **Credits: 3**
- SPAN 306 - Advanced Spanish I **Credits: 3**
- SPAN 307 - Advanced Spanish II **Credits: 3**
- SPAN 308 - Hispanic Cultures **Credits: 3**

Spanish Studies Teaching Minor

24 hours

Teaching Minor Grade and GPA Requirement

Students completing a teaching minor must earn a grade of A in SPAN 307, at least a 2.75 cumulative GPA, a 3.00 major GPA, and a grade of B or better in all courses applied toward degree requirements.

Required courses (24 hours)

- SPAN 203 - Intermediate Spanish I **Credits: 3**
- SPAN 204 - Intermediate Spanish II **Credits: 3**
- SPAN 205 - Cultural Contexts for Conversation **Credits: 3**
- SPAN 306 - Advanced Spanish I **Credits: 3**
- SPAN 307 - Advanced Spanish II **Credits: 3**
- SPAN 308 - Hispanic Cultures **Credits: 3**
- SPAN 325 - Introduction to Hispanic Literature **Credits: 3**
- SPAN 365 - Introduction to Applied Linguistics **Credits: 3**

College of Nursing and Health Professions

health.usi.edu

Ann White, RN, PhD, MBA, Dean

Mary Kay Arvin, OTD, OTR/L, Chair, Occupational Therapy Assistant Program

Jeri Burger, RN, PhD, Chair, RN Completion Program

Deborah Carl Wolf, RDH, MEd, Assistant Dean, Chair, Dental Hygiene Program

Mary C. Ehlman, BA, MSW, MBA, PhD., Director, Center for Healthy Aging and Wellness

Claudine Fairchild, RT(R) (M), RDMS, MS, Chair, Diagnostic Medical Sonography Program

Mellisa Hall, RN, DNP Chair, Graduate Nursing Program

Janet Kilbane, OTD, Interim Chair, Occupational Therapy Program

Kimberly Parsons, MEd, CDA, EFDA, RDH, Chair, Dental Assisting Program

Wesley Phy, BS, RRT, Chair, Respiratory Therapy Program

Julie McCullough, Ph.D., R.D., Chair, Food and Nutrition Program

Martin Reed, R.T.(R), Ph.D., Chair, Radiologic and Imaging Sciences Program

Mayola Rowser, RN, B.S.N., M.S.N., D.N.P., Ph.D., Assistant Dean

Constance Swenty, RN, B.S.N., M.S.N., D.N.P., Chair Undergraduate Nursing Program

Kevin Valadares, Ph.D., Chair, Health Administration Program

Frank Ward, EdD, MSA, PA, Chair, Health Services Program

The College of Nursing and Health Professions promotes excellence in its academic programs, faculty, and students and demonstrates leadership in healthcare education, research, practice, and community service. The College of Nursing and Health Professions prepares students for personally satisfying, successful, and financially rewarding healthcare careers.

The college offers a wide array of campus, independent study, and online health professions continuing education and specialized certificate programs. A complete listing and schedule of offerings can be viewed on the college web site health.usi.edu.

Accrediting organizations representing the profession and/or appropriate state governmental agencies are identified with program information. Program graduates consistently excel on state and national licensing/registry exams and are heavily recruited by healthcare employers.

Faculty are academically prepared, experienced practitioners who are licensed, registered, and/or certified members of the professions in which they teach. The college provides a caring atmosphere in which students, faculty, and community healthcare professionals work together to optimize personal and professional development. The college provides educational experiences which prepare students to become competent practitioners and to successfully achieve licensure, registration, or certification in their fields.

Clinical Stimulation Center, Dental Clinic and Clinical Affiliates

The Clinical Simulation Center provides students with diverse and challenging learning activities. Computerized simulated learning activities prepare students for critical thinking and therapeutic intervention in their clinical practices. A state-of-the-art dental clinic and telehealth clinic provide high-quality learning activities for students.

A wide variety of clinical facilities are utilized in the educational programs of the college. These facilities include Deaconess Health System and related facilities, St. Mary's Medical Center and facilities, Evansville State Hospital, Evansville-Vanderburgh School Corporation, Evansville-Vanderburgh County Public Health Department, Evansville Association for Retarded Citizens, Visiting Nurse Association of Southwestern Indiana, Rehabilitation Center, Planned Parenthood, Southwestern Indiana Adult Mental Health Center, Southwestern Indiana Regional Council on Aging, senior citizens centers, dental offices, physicians' offices, day care centers, nursing homes, area extended care facilities. A complete listing of clinical affiliates is located in the college office.

Center for Healthy Aging and Wellness

The Center for Healthy Aging and Wellness is dedicated to advancing the understanding of aging and promoting the well-being of older adults through interdisciplinary education, research, and engaged partnerships. The interdisciplinary center involves faculty from all colleges and is housed within the College of Nursing and Health Professions. Additional information can be obtained through the college web site health.usi.edu.

Community Health Centers

The USI-Community Health Centers at Glenwood Leadership Academy, Cedar Hall Community School, and Lodge Community School offer nursing and health professions students an opportunity to engage in interprofessional learning through clinical rotation.

Advising

The College of Nursing and Health Professions provides support for students throughout their educational experience. The professional advisors in the College's Advising Center work with first year students and pre-majors to formulate academic and professional goals. Advisors assist students with career exploration, major and course selection and connections with University and community resources. As students progress into their major, faculty advisors provide expert career advice and specialized information about their chosen profession.

Financial Assistance

A number of scholarships are designated specifically for students in the College of Nursing and Health Professions. These scholarships are in addition to the scholarships and other financial assistance that are available for all USI students.

Admission and Progression Requirements

Students seeking admission to College of Nursing and Health Professions programs must apply for admission to the University and submit a separate application to the program of their choice. To ensure the highest quality of student learning experiences, admission is competitive and limited. Students meeting academic requirements must be in good health; eligible for licensure, certification, or registration; and capable of meeting clinical practice requirements. Acceptance into a clinical program is contingent upon a negative drug screen and criminal record check. A felony may affect a graduate's eligibility to sit for professional licensure/certification/registration. Additional information about the admission process and timeline is listed on each program's web pages.

Minimum grade requirements for major and other selected courses are identified in student handbooks and on program websites. Additional information regarding admission and progression requirements are listed in the individual program descriptions that follow.

Application for Degree and Diploma Form

A Formal Application for Graduation and Diploma Form must be filed by students completing course requirements one semester prior to the semester in which the program will be completed. The formal application may be obtained from the College of Nursing and Health Professions office and should be returned to the student's academic advisor for review and approval.

Certificate and Degree Programs and Minors

The College of Nursing and Health Professions offers the following health professions certificate and degree programs and minors:

Dental Assisting

The dental assistant works as a valued member of the dental health team and assists the dentist in performing professional duties in the operatory, laboratory, and business office. The student becomes competent in chair side assisting, laboratory procedures, x-ray techniques, and in the business related functions of the dental office/clinic.

The program offers a certificate in dental assisting and an associate of science degree with a major in dental assisting. The certificate program requires eight credit hours of prerequisite course work prior to the one academic year (two semesters) of the program. Approximately 1,150 hours of lecture, laboratory, and clinical instruction are included in the dental assisting courses. A second year of study is available which enables students to earn an associate of science degree with a major in dental assisting. Students who are enrolled in the program must achieve a grade of C or better in all courses which directly pertain to their major. An overall grade point average of 2.0 or better is required for graduation from the program.

Upon successful completion of the program, the student receives a Certificate in Dental Assisting which qualifies the student to sit for the Dental Assisting National Board Certification Examination. The dental assisting program is accredited by the Commission on Dental Accreditation of the American Dental Association, a specialized accrediting body recognized by the Council on Postsecondary Accreditation and by the United States Department of Education. The address of the Commission on Dental Accreditation of the American Dental Association is 211 East Chicago Avenue, Chicago, IL 60611-2678, phone 800/621-8099.

Admission Requirements for Dental Assisting

Students seeking admission to the dental assisting program must apply for admission to USI. Admission to the University and completion of the prerequisite courses does not guarantee admission to the dental assisting program. Admission into the dental assisting program is limited to 24 students each academic year. Students are accepted into the dental assisting program based on cumulative grade point average. Applicants meeting academic requirements must also present evidence of satisfactory health status, satisfactory criminal background check, satisfactory drug screen, and capable of performing clinical practice requirements. Application materials for the dental assisting program are available on the program's website at www.usi.edu/health/dental-assisting/program-admission. The completed application and supporting documentation must be submitted to the dental assisting program by March 1 of the year the student desires admission to the program. Applications received after March 1 will be considered on a space available basis.

Admission criteria

- Acceptance to the University of Southern Indiana
- submission of the dental assisting application
- submission of a dental assisting office observation form showing completion of eight hours of observation in a dental office
- completion of required college prerequisite courses with a grade of C or higher; and
- minimum college grade point average of 2.5 on a 4.0 scale.

Students who do not meet these criteria may request for admission eligibility re-evaluation following successful completion of specified courses required for the dental assisting program. Students currently enrolled in an accredited college or university other than the University of Southern Indiana must submit an official transcript of grades with their application.

Applicants are required to visit a dental office which employs a dental assistant and observe the functions and responsibilities of a practicing dental assistant for a period of eight hours. A statement verifying this observation, signed by the dental assistant or dentist, is to be submitted along with other supporting documents by the application deadline date.

Dental Assisting Major, A.S.

60 hours; C or better required in all courses

The associate of science degree is available to certificate program graduates who complete a second academic year. Of the 60 hours required to graduate with an associate of science degree 25 hours must be Core 39 courses. At the completion of the dental assisting certificate curriculum the student will have earned 41 hours; six of the 41 credits are Core 39* courses. Nineteen additional hours of Core 39 courses are needed to graduate with an associate of science degree in dental assisting. The 19 Core 39 hours can be selected from the following categories:

Dental Assisting Associate of Science Degree, Core 39 coursework (19 hours)

Foundations-Composition	3 hours
Foundations-Mathematics	3-4 hours
Ways of Knowing-Creative and Aesthetic Expression	3 hours
Ways of Knowing-Historical Inquiry	3 hours
Ways of Knowing-Moral and Ethical Reasoning	3 hours
Ways of Knowing-Scientific and Mathematical Inquiry	3 hours

Ways of Knowing-Social Inquiry 3 hours

Ways of Knowing-World Languages and Culture 3 hours

Natural Science 8-9 hours

*See *USI Bulletin* for appropriate Core 39 courses.

Pre-requisite Courses (8 hours)

- ENG 101 - Rhetoric and Composition I: Literacy and the Self **Credits: 3**
- CMST 101 - Introduction to Public Speaking **Credits: 3**
- HP 115 - Medical Terminology For The Health Professions **Credits: 2**

Required Coursework (33 hours)

- DTAS 122 - Clinical Science I **Credits: 5**
- DTAS 156 - Human Systems I **Credits: 3**
- DTHY 303 - Oral Radiology **Credits: 3**
- DTHY 308 - Applied Dental Materials **Credits: 3**
- DTHY 314 - Oral Anatomy **Credits: 2**
- DTAS 111 - Oral Pathology **Credits: 1**
- DTAS 158 - Practice Management, Ethics, and Jurisprudence **Credits: 3**
- DTAS 166 - Human Systems II **Credits: 3**
- DTAS 175 - Preventive Dentistry **Credits: 2**
- DTAS 181 - Clinical Science II **Credits: 5**
- DTAS 183 - Clinical Science Applications **Credits: 3**

Dental Assisting Certificate

41 hours; C or better required in all courses

Pre-requisite Courses (8 hours)

- ENG 101 - Rhetoric and Composition I: Literacy and the Self **Credits: 3**
- CMST 101 - Introduction to Public Speaking **Credits: 3**
- HP 115 - Medical Terminology For The Health Professions **Credits: 2**

First Semester (16 hours)

- DTAS 122 - Clinical Science I **Credits: 5**
- DTAS 156 - Human Systems I **Credits: 3**
- DTHY 303 - Oral Radiology **Credits: 3**
- DTHY 308 - Applied Dental Materials **Credits: 3**
- DTHY 314 - Oral Anatomy **Credits: 2**

Second Semester (17 hours)

- DTAS 111 - Oral Pathology **Credits: 1**
- DTAS 158 - Practice Management, Ethics, and Jurisprudence **Credits: 3**
- DTAS 166 - Human Systems II **Credits: 3**
- DTAS 175 - Preventive Dentistry **Credits: 2**
- DTAS 181 - Clinical Science II **Credits: 5**
- DTAS 183 - Clinical Science Applications **Credits: 3**

Optional Elective (3 hours)

- DTAS 291 - Expanded Functions Dental Assisting **Credits: 3**

Dental Hygiene

Dental hygiene involves the use of a process of care to assess oral health status, develop a dental hygiene diagnosis, and plan and implement preventive and therapeutic services to achieve optimum oral health. This process of care is utilized to support the oral health status of individuals in a variety of clinical settings, and groups in community education and healthcare settings.

Dental hygiene has evolved into a multifaceted profession offering opportunities in a variety of areas. Career opportunities for the licensed dental hygienist are available in dental clinics and practices, administrative and managerial healthcare, education, research, and public health. The dental hygiene program at the University of Southern Indiana provides a curriculum which includes didactic courses, laboratory and clinical experiences, and community oral health education experiences. This diversity prepares graduates to deliver oral healthcare services and education in a variety of practice settings.

The Bachelor of Science degree in dental hygiene requires two academic years of prerequisite courses and two academic years of professional education courses. Prerequisite courses may be taken at any accredited college or university. Courses completed at another university must be comparable to those offered by USI and must transfer for credit. Dental hygiene courses taken while enrolled in the University of Southern Indiana dental assisting program must be completed within three years of entering the dental hygiene program. A grade of C or better is required in all courses to be applied to the dental hygiene degree. An overall grade point average of 2.5 is required for graduation from the program.

Prerequisite courses cannot be taken on pass/fail option. All chemistry, biology, health professions, nutrition, and math prerequisite courses must be completed by the end of the spring semester in the year the student desires admission to the program. The remainder of the prerequisite courses must be completed prior to beginning the dental hygiene professional curriculum.

Students seeking admission to the dental hygiene program also must be accepted for admission to USI. Admission to the University and completion of the prerequisite courses does not guarantee admission to the dental hygiene program. Admission into the dental hygiene program is limited to 24 students each academic year. Students are accepted into the dental hygiene program based on the cumulative grade point average in the required prerequisite courses. Twenty-four students with the highest grade point average in the required prerequisite courses are offered admission into the program each year. Applicants meeting academic requirements also must present evidence of satisfactory health status, satisfactory criminal background check, satisfactory drug screen to be eligible for dental hygiene licensure, and capable of fulfilling clinical practice requirements.

Application materials for the dental hygiene program are available in the College of Nursing and Health Professions office and on the program's web site. The completed application must be submitted to the dental hygiene program by February 1 of the year the student desires admission to the program. Applications received after February 1 will be considered on a space available basis.

Admission Requirements

Admission requirements include the following:

- acceptance to the University of Southern Indiana;
- completion of the required prerequisite college courses with a grade of C or higher and a minimum cumulative grade point average of 2.8 (4.0 scale);
- submission of a dental hygiene application;
- submission of medical and immunization records;
- CPR certification for healthcare providers;
- completion of a criminal background check; and
- completion of drug testing.

Dental Hygiene Major, B.S.

C or better required in all coursework; 2.50 cumulative GPA required

The dental hygiene program at the University of Southern Indiana is accredited by the Commission on Dental Accreditation of the American Dental Association, a specialized accrediting body recognized by the United States Department of Education. The address of the Commission on Dental Accreditation is American Dental Association, 211 East Chicago Ave, Chicago, IL 60611-2678, phone 800/621-8099.

The dental hygiene program has two tracks. One track is for students in the entry level Dental Hygiene Program (Track I). The second track is a bachelor degree completion option for dental hygienists who hold an associate degree (Track II). Both tracks require 120 credit hours for the degree.

Track I - Entry-level Dental Hygiene Program

Students who are admitted to Track I complete two academic years (55 credit hours) of specified pre-professional courses prior to being admitted to the program. The third and fourth years of the program are comprised of professional courses in dental hygiene (65 hours).

Admission Requirements for Track I:

- Admission to the University
- Completion of the required prerequisite college courses with a grade of C or higher and a minimum cumulative grade point average of 2.8
- Submission of a dental hygiene application
- Submission of medical and immunization records
- CPR certification for healthcare providers
- Completion of a criminal background check
- Completion of drug testing

Students selected for admission into the Dental Hygiene Program must be eligible for dental hygiene licensure and capable of fulfilling clinical practice requirements.

Prerequisite Courses

Semester I

- MATH 114 - Quantitative Reasoning **Credits: 3**
- CMST 101 - Introduction to Public Speaking **Credits: 3 or**
- CMST 107 - Introduction to Interpersonal Communication **Credits: 3**
- ENG 101 - Rhetoric and Composition I: Literacy and the Self **Credits: 3**
- KIN 192 - Concepts in Wellness and Fitness **Credits: 1**
- PSY 201 - Introduction to Psychology **Credits: 3**
- UNIV 101 - First Year Experience **Credits: 1**

Semester II

- CHEM 141 - Principles of Chemistry **Credits: 4**
- Selected Ways of Knowing (CAE, HI, or WLC) **Credits: 3**
- ENG 201 - Rhetoric and Composition II: Literacy and the World **Credits: 3**
- SOC 121 - Principles of Sociology **Credits: 3**

Semester III

- BIOL 121 - Human Anatomy and Physiology I **Credits: 4**
- HP 356 - Ethics and Healthcare in a Pluralistic Society **Credits: 3**
- HP 115 - Medical Terminology For The Health Professions **Credits: 2**
- NUTR 376 - Principles and Applications in Nutrition **Credits: 3**

Semester IV

- BIOL 122 - Human Anatomy and Physiology II **Credits: 4**
- BIOL 272 - Medical Microbiology **Credits: 3**
- HP 302 - Biostatistics **Credits: 3**
- HP 225 - Pharmacology and Therapeutics **Credits: 3**
- World Language and Culture (BS WLC) **Credits: 3**

Professional Courses

Semester V

- DTHY 303 - Oral Radiology **Credits: 3**
- DTHY 308 - Applied Dental Materials **Credits: 3**
- DTHY 314 - Oral Anatomy **Credits: 2**
- DTHY 316 - Preventive Oral Health I **Credits: 2**
- DTHY 327 - Introduction to Evidence-Based Dental Hygiene Care **Credits: 1**
- DTHY 341 - Dental Hygiene Theory I **Credits: 4**
- DTHY 342 - Dental Hygiene Clinic I **Credits: 3**

Semester VI

- DTHY 313 - Anatomy of the Head and Neck **Credits: 2**
- DTHY 315 - Oral Embryology and Histology **Credits: 1**
- DTHY 318 - Preventive Oral Health II **Credits: 3**
- DTHY 322 - Periodontology **Credits: 2**
- DTHY 351 - Dental Hygiene Theory II **Credits: 4**
- DTHY 352 - Dental Hygiene Clinic II **Credits: 3**

Semester VII

- DTHY 405 - General and Oral Pathology **Credits: 4**
- DTHY 411 - Community Oral Health Theory **Credits: 1**
- DTHY 422 - Clinical Application of Periodontology **Credits: 1**
- DTHY 423 - Pain Management in Dentistry **Credits: 2**
- DTHY 441 - Dental Hygiene Theory III **Credits: 4**
- DTHY 442 - Dental Hygiene Clinic III **Credits: 5**

Semester VIII

- DTHY 412 - Community Oral Health Practicum **Credits: 2**
- DTHY 451 - Dental Hygiene Theory IV **Credits: 4**
- DTHY 452 - Dental Hygiene Clinic IV **Credits: 5**
- DTHY 457 - Professional and Current Issues in Oral Healthcare **Credits: 3**

Track II - Degree Completion Program

Students admitted to Track II must hold an associate degree in dental hygiene.

Admission Requirements for Track II:

- Admission to the University
- Completion of an associate degree in dental hygiene
- License to practice dental hygiene in any U.S. state
- Submission of medical and immunization records
- CPR certification for healthcare providers
- Completion of a criminal background check
- Completion of drug testing

Core 39

Completion of the USI Core 39 or its equivalent

Other Required Courses

- HP 302 - Biostatistics **Credits: 3**
- DTHY 401 - Clinical Management I **Credits: 3**
- DTHY 402 - Clinical Management II **Credits: 3**
- DTHY 457 - Professional and Current Issues in Oral Healthcare **Credits: 3**

- Nine (9) hours of electives chosen from HA, HP, GERO, or PH courses
- Completion of an accredited Associate Degree Dental Hygiene Program (60 hours)

Food and Nutrition

The food and nutrition degree is designed to prepare graduates for entry into community food and nutrition-related careers including healthcare, business, and industry. The major provides a broad coverage of the interpersonal, conceptual, analytical, and application skills necessary to perform in the food and nutrition-related field. Three program options are available: dietetics, nutrition and wellness, or food service management. A minor in nutrition also is offered.

Food and Nutrition Major, Dietetics Specialty, B.A./B.S.

Dietetics is the science of managing food and nutrition to promote health. Students choosing this option will examine nutrition and its application to food and health. The didactic program in dietetics is accredited by the Commission on Accreditation for Dietetics Education (CADE). CADE is recognized as the accrediting agency for bachelor level dietetic programs in the United States. CADE contact information: 120 South Riverside Plaza, Chicago, IL 60606-6995, telephone 312/899-0040, fax 312/899-4817, cade@eatright.org or www.eatright.org/cade.

To become a registered dietitian (R. D.), students must complete a minimum of a bachelor's degree from a CADE accredited undergraduate program, complete a CADE accredited supervised practice program, and complete a national exam. At the completion of our baccalaureate specialty in dietetics, students will be able to apply to a supervised practice program. A grade point average of 3.0 or higher is encouraged for application to supervised practice programs. Graduates who meet these requirements are eligible to take the national registration exam.

Admission Requirements

All applicants must first seek admission to the University by completing an application, having official transcripts of high school and other universities and colleges sent to the University of Southern Indiana, and completing all other University admission requirements. Applicants with a minimum of a 2.0 grade point average may be admitted to the Bachelor of Science in Food and Nutrition program.

Pre-Dietetic students who are seeking formal admission to the Dietetics program will need to complete the following criteria and submit a formal Dietetics Association Application to the Food and Nutrition Department. Complete the following course work (or equivalent) with a minimum 2.9 overall grade point average: *BIOL 121, PSY 201, ENG 101, CMST 101 or CMST 107, MATH 111, *CHEM 261, *NUTR 376. Courses with an * require a "C" or better.

Food and Nutrition Degree Requirements

A candidate for the Bachelor of Science in Food and Nutrition degree must meet the general requirements for graduation as outlined in this bulletin and successfully complete the food and nutrition courses required for the major area of study.

Summary of food and nutrition degree program requirements:

- completion of Core 39 requirements as outlined in this bulletin. Specific requirements for Core 39 component of each option area are noted in the section following;
- complete required nutrition core courses: 26 hours;
- complete 33-38 hours in one of the specialty areas;
- a minimum of 120 hours;

- a minimum of 30 hours must be taken from the University of Southern Indiana;
- a minimum of 39 hours of 300/400-level credit hours;
- obtain an average of 2.0 grade point average or better on all work taken at the University of Southern Indiana; and
- achieve a grade of C or better in all core nutrition courses.

Dietetics students also must achieve a grade of C or better in BIOL 121, BIOL 122, CHEM 261, and CHEM 262.

Food and Nutrition Core, Required Courses (26 hours)

C or better required

- NUTR 203 - Introduction to Food, Nutrition, and Dietetics **Credits: 1**
- NUTR 285 - Management Fundamentals in Food and Nutrition **Credits: 3**
- NUTR 376 - Principles and Applications in Nutrition **Credits: 3**
- NUTR 381 - Quantity Food Production and Purchasing **Credits: 4**
- NUTR 396 - Nutrition Throughout the Lifecycle **Credits: 3**
- NUTR 397 - Nutrition in Health Promotion and Disease Prevention **Credits: 3**
- NUTR 415 - Dietary Supplements and Herb Use in Nutrition **Credits: 3**
- NUTR 465 - Community Nutrition **Credits: 3**
- NUTR 496 - Leadership and Professional Issues in Food and Nutrition **Credits: 3**

Food and Nutrition Specialty Area

In the student's sophomore year, and upon completion of the majority of the Core 39 courses, the student will choose a specialty area.

Required Core Curriculum Courses for Dietetics Specialty

- MATH 111 - College Algebra **Credits: 4** (or higher level A2 MATH course)
- PHIL 363 - Bioethics **Credits: 3** or
- HP 356 - Ethics and Healthcare in a Pluralistic Society **Credits: 3**
- SOC 121 - Principles of Sociology **Credits: 3**
- PSY 201 - Introduction to Psychology **Credits: 3**
- BIOL 121 - Human Anatomy and Physiology I **Credits: 4** (C or better)
- BIOL 122 - Human Anatomy and Physiology II **Credits: 4** (C or better)
- CHEM 261 - General Chemistry I **Credits: 4** (C or better)
- CHEM 262 - General Chemistry II **Credits: 4** (C or better)

Dietetics Specialty (38 hours)

C or better required in all classes

- HP 115 - Medical Terminology For The Health Professions **Credits: 2**
- HP 211 - The Healthcare Delivery System **Credits: 3**
- HP 302 - Biostatistics **Credits: 3**
- NUTR 205 - The Profession of Dietetics **Credits: 1**
- NUTR 378 - Nutrition for Fitness and Sports **Credits: 3**

- NUTR 384 - Principles and Applications in Food Science **Credits: 3**
- NUTR 412 - Advanced Human Metabolism **Credits: 4**
- NUTR 452 - Nutrition and Health Assessment **Credits: 3**
- NUTR 481 - Nutritional Education, Counseling and Theory **Credits: 3**
- NUTR 485 - Medical Nutrition Therapy I **Credits: 3**
- NUTR 486 - Medical Nutrition Therapy II **Credits: 3**
- BIOL 272 - Medical Microbiology **Credits: 3**
- CHEM 241 - Organic/Biochemistry Principles **Credits: 4**

Optional course:

- NUTR 420 - Practicum in Food, Nutrition and Wellness **Credits: 1-6**

Sample Food and Nutrition Curriculum - Dietetics Specialty

First Year

Fall Semester (16 hours)

- * ENG 101 - Rhetoric and Composition I: Literacy and the Self **Credits: 3**
- * CMST 101 - Introduction to Public Speaking **Credits: 3 ** or**
- * CMST 107 - Introduction to Interpersonal Communication **Credits: 3 ****
- * BIOL 121 - Human Anatomy and Physiology I **Credits: 4 ****
- * MATH 111 - College Algebra **Credits: 4 ****
- UNIV 101 - First Year Experience **Credits: 1**
- NUTR 203 - Introduction to Food, Nutrition, and Dietetics **Credits: 1 ****

Spring Semester (15 hours)

- * ENG 201 - Rhetoric and Composition II: Literacy and the World **Credits: 3 ****
- * BIOL 122 - Human Anatomy and Physiology II **Credits: 4 ****
- * SOC 121 - Principles of Sociology **Credits: 3 ****
- * PSY 201 - Introduction to Psychology **Credits: 3 ****
- HP 115 - Medical Terminology For The Health Professions **Credits: 2 ****

Second Year

Fall Semester (14 hours)

- * CHEM 261 - General Chemistry I **Credits: 4 ****
- * World Language and Culture Credit: **3****

- HP 211 - The Healthcare Delivery System **Credits: 3 ****
- * NUTR 376 - Principles and Applications in Nutrition **Credits: 3 ****
- KIN 192-Physical Activity and Wellness Core **Credit: 1**

Spring Semester (16 hours)

- * CHEM 262 - General Chemistry II **Credits: 4 ****
- *Ways of Knowing (CAE, HI, or WLC) **Credits: 3****
- BIOL 272 - Medical Microbiology **Credits: 3 ****
- NUTR 285 - Management Fundamentals in Food and Nutrition **Credits: 3 ****
- NUTR 205 - The Profession of Dietetics **Credits: 1**
- Elective-**Credits: 2**

Third Year

Fall Semester (16 hours)

- NUTR 378 - Nutrition for Fitness and Sports **Credits: 3 ****
- NUTR 381 - Quantity Food Production and Purchasing **Credits: 4 ****
- NUTR 396 - Nutrition Throughout the Lifecycle **Credits: 3 ****
- CHEM 241 - Organic/Biochemistry Principles **Credits: 4 ****
- Elective **Credits: 1**

Spring Semester (15 hours)

- HP 302 - Biostatistics **Credits: 3 ****
- NUTR 384 - Principles and Applications in Food Science **Credits: 3 ****
- NUTR 397 - Nutrition in Health Promotion and Disease Prevention **Credits: 3 ****
- NUTR 452 - Nutrition and Health Assessment **Credits: 3**
- IPH 401 - Interprofessional Perspectives on Global Health **Credits: 3**

Fourth Year

Fall Semester (15 hours)

- *Core - Global Communities Core Curriculum Selection Credits: **3**
- NUTR 412 - Advanced Human Metabolism **Credits: 4 ****
- NUTR 415 - Dietary Supplements and Herb Use in Nutrition **Credits: 3 ****
- NUTR 485 - Medical Nutrition Therapy I **Credits: 3 ****
- HP 356 - Ethics and Healthcare in a Pluralistic Society **Credits: 3**
- Elective - (Recommend HP 335 Pathophysiology) Credits: **3**

Spring Semester (15 hours)

- NUTR 465 - Community Nutrition **Credits: 3** **
- NUTR 481 - Nutritional Education, Counseling and Theory **Credits: 3** **
- NUTR 486 - Medical Nutrition Therapy II **Credits: 3** **
- Core 39-Writing Embedded Selection **Credits: 3**
- * NUTR 496 - Leadership and Professional Issues in Food and Nutrition **Credits: 3** **

Note(s):

*Core 39 courses

** Required for DPD

Food and Nutrition Major, Food Service Management Specialty B.A./B.S.

The food service management specialty courses are designed to develop problem-solving skills and creative thinking in food service. During the completion of this specialty, the students will be provided opportunities to complete food service certifications. Certifications have proven to be an important key element for developing professionalism in the food service industry and a way of recognizing employees and reducing turnover. Nationally recognized certifications will be offered.

Admission Requirements

All applicants must first seek admission to the University by completing an application, having official transcripts of high school and other universities and colleges sent to the University of Southern Indiana, and completing all other University admission requirements. Applicants with a minimum of a 2.0 grade point average may be admitted to the Bachelor of Science in Food and Nutrition program.

Food and Nutrition Degree Requirements

A candidate for the Bachelor of Science in Food and Nutrition degree must meet the general requirements for graduation as outlined in this bulletin and successfully complete the food and nutrition courses required for the major area of study.

Summary of food and nutrition degree program requirements:

- completion of Core 39 requirements as outlined in this bulletin. Specific requirements for Core 39 component of each option area are noted in the section following;
- complete required nutrition core courses: 26 hours;
- complete 33-38 hours in one of the specialty areas;
- a minimum of 120 hours;
- a minimum of 30 hours must be taken from the University of Southern Indiana;
- a minimum of 39 hours of 300/400-level credit hours;
- obtain an average of 2.0 grade point average or better on all work taken at the University of Southern Indiana; and
- achieve a grade of C or better in all core nutrition courses.

Dietetics students also must achieve a grade of C or better in BIOL 121, BIOL 122, CHEM 261, and CHEM 262.

Note(s):

Many of the courses required for the Bachelor of Science in Food and Nutrition degree are available online to distance education students.

Food and Nutrition Core, Required Courses (26 hours)

C or better required

- NUTR 203 - Introduction to Food, Nutrition, and Dietetics **Credits: 1**
- NUTR 285 - Management Fundamentals in Food and Nutrition **Credits: 3**
- NUTR 376 - Principles and Applications in Nutrition **Credits: 3**
- NUTR 381 - Quantity Food Production and Purchasing **Credits: 4**
- NUTR 396 - Nutrition Throughout the Lifecycle **Credits: 3**
- NUTR 397 - Nutrition in Health Promotion and Disease Prevention **Credits: 3**
- NUTR 415 - Dietary Supplements and Herb Use in Nutrition **Credits: 3**
- NUTR 465 - Community Nutrition **Credits: 3**
- NUTR 496 - Leadership and Professional Issues in Food and Nutrition **Credits: 3**

Required Core Curriculum Courses for Food Service Management Specialty

- MATH 111 - College Algebra **Credits: 4** (or higher level A2 MATH course)
- ECON 208 - Principles of Microeconomics **Credits: 3**
- ECON 209 - Principles of Macroeconomics **Credits: 3**
- PSY 201 - Introduction to Psychology **Credits: 3**

- BIOL 141 - Principles of Biology **Credits: 4 or**
- BIOL 133 - Biological Concepts **Credits: 4**

- CHEM 103 - Molecules, Matter, and Me **Credits: 3 or**
- CHEM 141 - Principles of Chemistry **Credits: 4 or**
- CHEM 261 - General Chemistry I **Credits: 4**

Food Service Management Specialty Courses (36 hours)

- CIS 151 - Computer Applications in Business **Credits: 3**
- ACCT 201 - Accounting Principles I **Credits: 3**
- ACCT 202 - Accounting Principles II **Credits: 3**
- MKTG 201 - Introduction to Marketing **Credits: 3**
- MKTG 332 - Consumer Behavior **Credits: 3**
- NUTR 383 - Practical Applications and Evaluation of Food Preparation and Nutrition **Credits: 3**
- NUTR 427 - Senior Project in Food and Nutrition **Credits: 3**
- NUTR 492 - Food Service Operations Management **Credits: 3**
- HP 378 - Community Health Education Methods **Credits: 3**

- HA 411 - Healthcare Leadership **Credits: 3 or**
- MNGT 201 - Survey of Management **Credits: 3 or**
- MNGT 305 - Principles of Management **Credits: 3**

- HA 421 - Healthcare Finance **Credits: 3 or**
- FIN 201 - Fundamentals of Finance **Credits: 3**

- NUTR 420 - Practicum in Food, Nutrition and Wellness **Credits: 1-6** (3 Credits required)

Sample Food and Nutrition Curriculum - Food Service Management Specialty

First Year

Fall Semester (15 hours)

- * ENG 101 - Rhetoric and Composition I: Literacy and the Self **Credits: 3**
- * CMST 101 - Introduction to Public Speaking **Credits: 3 or**
- * CMST 107 - Introduction to Interpersonal Communication **Credits: 3**
- CIS 151 - Computer Applications in Business **Credits: 3**
- * MATH 111 - College Algebra **Credits: 4**
- UNIV 101 - First Year Experience **Credits: 1**
- NUTR 203 - Introduction to Food, Nutrition, and Dietetics **Credits: 1**

Spring Semester (16 hours)

- * ENG 201 - Rhetoric and Composition II: Literacy and the World **Credits: 3**
- * ECON 208 - Principles of Microeconomics **Credits: 3**
- * BIOL 141 - Principles of Biology **Credits: 4 or**
- * BIOL 133 - Biological Concepts **Credits: 4**
- * Core 39 - Ways of Knowing Selection **Credits: 3**
- * PSY 201 - Introduction to Psychology **Credits: 3**

Second Year

Fall Semester (15 hours)

- * CHEM 103 - Molecules, Matter, and Me **Credits: 3 or**
- * CHEM 141 - Principles of Chemistry **Credits: 4 or**
- * CHEM 261 - General Chemistry I **Credits: 4**
- ACCT 201 - Accounting Principles I **Credits: 3**
- * Core 39 - Ways of Knowing Selection **Credits: 3**
- * ECON 209 - Principles of Macroeconomics **Credits: 3**
- * NUTR 376 - Principles and Applications in Nutrition **Credits: 3**

Spring Semester (16 hours)

- MKTG 201 - Introduction to Marketing **Credits: 3**
- ACCT 202 - Accounting Principles II **Credits: 3**
- * Core 39 - BS World Language and Culture Selection **Credits: 3**
- * Elective **Credits: 3**
- NUTR 285 - Management Fundamentals in Food and Nutrition **Credits: 3**
- * KIN 192 - Concepts in Wellness and Fitness **Credits: 1**

Third Year

Fall Semester (15 hours)

- HA 411 - Healthcare Leadership **Credits: 3 or**
- MNGT 201 - Survey of Management **Credits: 3 or**
- MNGT 305 - Principles of Management **Credits: 3**

- NUTR 396 - Nutrition Throughout the Lifecycle **Credits: 3**
- NUTR 381 - Quantity Food Production and Purchasing **Credits: 4**
- Elective **Credits: 3**
- Elective **Credits: 2**

Spring Semester (15 hours)

- MKTG 332 - Consumer Behavior **Credits: 3**
- NUTR 383 - Practical Applications and Evaluation of Food Preparation and Nutrition **Credits: 3**
- NUTR 397 - Nutrition in Health Promotion and Disease Prevention **Credits: 3**
- *Core 39 - Ways of Knowing Selection **Credits: 3**
- *Core 39 - Diversity Selection **Credits: 3**

Fourth Year

Fall Semester (15 hours)

- HA 421 - Healthcare Finance **Credits: 3**
- FIN 201 - Fundamentals of Finance **Credits: 3**
- NUTR 415 - Dietary Supplements and Herb Use in Nutrition **Credits: 3**
- NUTR 420 - Practicum in Food, Nutrition and Wellness **Credits: 1-6**
- NUTR 492 - Food Service Operations Management **Credits: 3**
- *Core 39 - Writing Embedded Selection **Credits: 3**

Spring Semester (15 hours)

- NUTR 465 - Community Nutrition **Credits: 3**
- NUTR 427 - Senior Project in Food and Nutrition **Credits: 3**
- * NUTR 496 - Leadership and Professional Issues in Food and Nutrition **Credits: 3**
- HP 378 - Community Health Education Methods **Credits: 3**

- *Core 39 - Global Embedded Selection **Credits: 3**

Note(s):

*Core 39 courses

Food and Nutrition Major, Nutrition and Wellness Specialty, B.A./B.S.

The nutrition and wellness specialty provides students with an understanding of the role of exercise and nutrition in overall wellness. Graduates are prepared to work in nutrition and wellness positions in fitness centers, community and public health settings, nutrition marketing, product development, and consumer affairs. With the epidemic growth of obesity and related illnesses, graduates of the specialty will have multiple employment opportunities.

Food and Nutrition Degree Requirements

A candidate for the Bachelor of Science in Food and Nutrition degree must meet the general requirements for graduation as outlined in this bulletin and successfully complete the food and nutrition courses required for the major area of study.

Summary of food and nutrition degree program requirements:

- completion of Core 39 requirements as outlined in this bulletin. Specific requirements for Core 39 component of each option area are noted in the section following;
- complete required nutrition core courses: 26 hours;
- complete 33-38 hours in one of the specialty areas;
- a minimum of 120 hours;
- a minimum of 30 hours must be taken from the University of Southern Indiana;
- a minimum of 39 hours of 300/400-level credit hours;
- obtain an average of 2.0 grade point average or better on all work taken at the University of Southern Indiana; and
- achieve a grade of C or better in all core nutrition courses.

Dietetics students also must achieve a grade of C or better in BIOL 121, BIOL 122, CHEM 261, and CHEM 262.

Food and Nutrition Core, Required Courses (26 hours)

C or better required

- NUTR 203 - Introduction to Food, Nutrition, and Dietetics **Credits: 1**
- NUTR 285 - Management Fundamentals in Food and Nutrition **Credits: 3**
- NUTR 376 - Principles and Applications in Nutrition **Credits: 3**
- NUTR 381 - Quantity Food Production and Purchasing **Credits: 4**
- NUTR 396 - Nutrition Throughout the Lifecycle **Credits: 3**
- NUTR 397 - Nutrition in Health Promotion and Disease Prevention **Credits: 3**
- NUTR 415 - Dietary Supplements and Herb Use in Nutrition **Credits: 3**
- NUTR 465 - Community Nutrition **Credits: 3**
- NUTR 496 - Leadership and Professional Issues in Food and Nutrition **Credits: 3**

Food and Nutrition Specialty Area

In the student's sophomore year, and upon completion of the majority of the Core 39 courses, the student will choose a specialty area.

Required Core 39 Courses for Nutrition and Wellness Specialty

- PSY 201 - Introduction to Psychology **Credits: 3**
- BIOL 121 - Human Anatomy and Physiology I **Credits: 4**
- BIOL 122 - Human Anatomy and Physiology II **Credits: 4**
- CHEM 141 - Principles of Chemistry **Credits: 4**

Nutrition and Wellness Specialty Courses (33 hours)

- HP 115 - Medical Terminology For The Health Professions **Credits: 2**
- HP 305 - Structure and Theory: Worksite Wellness and Health Promotion **Credits: 3**
- HP 306 - Evaluation and Application: Worksite Wellness and Health Promotion **Credits: 3**
- HP 378 - Community Health Education Methods **Credits: 3**
- KIN 281 - Personal Health Science **Credits: 3**
- KIN 385 - Methods of Group Exercise Instruction **Credits: 3**
- EXSC 397 - Physiology of Exercise **Credits: 4**
- EXSC 484 - Exercise Testing and Prescription **Credits: 3**
- GERO 318 - Healthy Aging **Credits: 3**
- NUTR 378 - Nutrition for Fitness and Sports **Credits: 3**
- NUTR 383 - Practical Applications and Evaluation of Food Preparation and Nutrition **Credits: 3**

Optional course:

- NUTR 420 - Practicum in Food, Nutrition and Wellness **Credits: 1-6**

Sample Food and Nutrition Curriculum - Nutrition and Wellness Specialty

First Year

Fall Semester (16 hours)

- * ENG 101 - Rhetoric and Composition I: Literacy and the Self **Credits: 3**
- * CMST 101 - Introduction to Public Speaking **Credits: 3 or**
- * CMST 107 - Introduction to Interpersonal Communication **Credits: 3**

- *Core 39 - Ways of Knowing Selection **Credits: 3**
- *Core 39 - MATH selection **Credits: 3**
- * UNIV 101 - First Year Experience **Credits: 1**
- Elective **Credits: 3**

Spring Semester (15 hours)

- * ENG 201 - Rhetoric and Composition II: Literacy and the World **Credits: 3**
- * KIN 281 - Personal Health Science **Credits: 3**
- HP 115 - Medical Terminology For The Health Professions **Credits: 2**
- * PSY 201 - Introduction to Psychology **Credits: 3**
- CHEM 141 - Principles of Chemistry **Credits: 4**

Second Year

Fall Semester (14 hours)

- * BIOL 121 - Human Anatomy and Physiology I **Credits: 4**
- * Core 39 - Ways of Knowing **Credits: 3**
- NUTR 203 - Introduction to Food, Nutrition, and Dietetics **Credits: 1**
- * NUTR 376 - Principles and Applications in Nutrition **Credits: 3**
- NUTR 378 - Nutrition for Fitness and Sports **Credits: 3**

Spring Semester (16 hours)

- GERO 318 - Healthy Aging **Credits: 3**
- * BIOL 122 - Human Anatomy and Physiology II **Credits: 4**
- * Core 39 - BS World Language and Culture **Credit: 3**
- KIN 385 - Methods of Group Exercise Instruction **Credits: 3**
- NUTR 285 - Management Fundamentals in Food and Nutrition **Credits: 3**

Third Year

Fall Semester (15 hours)

- EXSC 397 - Physiology of Exercise **Credits: 4**
- NUTR 381 - Quantity Food Production and Purchasing **Credits: 4**
- NUTR 396 - Nutrition Throughout the Lifecycle **Credits: 3**
- HP 305 - Structure and Theory: Worksite Wellness and Health Promotion **Credits: 3**
- Elective **Credit: 1**

Spring Semester (15 hours)

- NUTR 383 - Practical Applications and Evaluation of Food Preparation and Nutrition **Credits: 3**
- NUTR 397 - Nutrition in Health Promotion and Disease Prevention **Credits: 3**
- HP 306 - Evaluation and Application: Worksite Wellness and Health Promotion **Credits: 3**
- *Core 39 - Diversity Embedded Selection **Credits: 3**
- Elective **Credits: 3**

Fourth Year

Fall Semester (15 hours)

- EXSC 484 - Exercise Testing and Prescription **Credits: 3**
- NUTR 415 - Dietary Supplements and Herb Use in Nutrition **Credits: 3**
- *Core 39 - Ways of Knowing Selection **Credits: 3**
- *Core 39 - Writing Embedded Selection **Credits: 3**
- Elective **Credits: 3**

Spring Semester (15 hours)

- NUTR 465 - Community Nutrition **Credits: 3**
- Elective **Credits: 3**
- NUTR 496 - Leadership and Professional Issues in Food and Nutrition **Credits: 3**
- * Core 39 - Global Embedded Selection **Credits: 3**
- HP 378 - Community Health Education Methods **Credits: 3**

Note(s):

* Core 39 courses

Nutrition Minor

18-19 hours

The minor in Nutrition will allow students to gain a better understanding of nutrition and its role in achieving optimal health.

Required Courses

- One biology or chemistry course from Natural Science in Core 39 Credits: **3-4**
- NUTR 376 - Principles and Applications in Nutrition **Credits: 3**
- NUTR 378 - Nutrition for Fitness and Sports **Credits: 3**
- NUTR 396 - Nutrition Throughout the Lifecycle **Credits: 3**
- NUTR 415 - Dietary Supplements and Herb Use in Nutrition **Credits: 3**
- NUTR 465 - Community Nutrition **Credits: 3**

Health Services

Bachelor of Science in Health Services graduates are prepared for entry into or advancement in the healthcare field. This degree program is designed to provide educational opportunities for students interested in gaining a knowledge base for positions in healthcare not requiring specialized clinical preparation, or for individuals who have completed a health professions clinical program and wish to increase their knowledge and skills to effectively respond to the rapidly changing needs of the American healthcare delivery system.

Program Options

The Health Services major has three tracks:

- Track A - Degree Completion Option. Students with an active clinical license who desire a baccalaureate degree to complement their clinical profession, for continued employment, or to advance in their field may choose the degree completion option.
- Track B - Generalist Option. The generalist option may lead to entry-level employment in the health care area where no licensing or specialty training is required.
- Track C - Specialty Option. Students who complete one of several specialty areas will be fully prepared for an entry-level position, promotion or advancement, or to continue coursework at the graduate level in the respective health care field.

Admission Requirements

All applicants must first seek admission to the University by completing an application, having official transcripts of high school and other universities and colleges sent to the University of Southern Indiana and completing all other University admission requirements. Applicants with at least a 2.0 grade point average may apply to the Bachelor of Science in Health Services program. (Track C - Specialty Option students require at least a 2.75 grade point average.)

Double Major

Students from another major wishing to double major in Health Services are required to complete the Health Services Core courses (18 hours) and choose a specialty area (24-36 hours).

Health Services Major Requirements

Candidates for the Bachelor of Science in Health Services degree must meet the general requirements for graduation as outlined in this bulletin and successfully complete all sections outlined in the Health Services curriculum.

Health Services Major, Generalist Option, B.S.

Bachelor of Science in Health Services

Health Services Core (15 hours)

C or better required

- HP 211 - The Healthcare Delivery System **Credits: 3**
- GERO 215 - Health Care Aspects of Gerontology **Credits: 3**
- PH 284 - Public Health **Credits: 3**
- HP 302 - Biostatistics **Credits: 3**
- HP 356 - Ethics and Healthcare in a Pluralistic Society **Credits: 3**

Medical Terminology

- HP 115 - Medical Terminology For The Health Professions **Credits: 2**

Health Services Specialty Overview (12 hours)

- HA 407 - Issues in Health Care Leadership **Credits: 3**
- PH 483 - Health All Around Us: Concepts in Environmental Health **Credits: 3**
- GERO 312 - Living Well Throughout the Lifespan **Credits: 3**
- HP 377 - Foundations for Health Promotion **Credits: 3**

Generalist Electives (10 hours)

As directed by a health services advisor, complete 10 hours of electives from among the following:

- GERO 319 - Assessment and Management of Alzheimer's Disease **Credits: 3**
- HP 225 - Pharmacology and Therapeutics **Credits: 3**
- HP 234 - Mechanisms of Pathophysiology **Credits: 3**
- HP 236 - Eastern Medicine and Alternative/Complimentary Healthcare **Credits: 3**
- HP 255 - Human Sexuality: A Health Perspective **Credits: 3**
- HP 265 - Alcohol And Drug Abuse: A Health Perspective **Credits: 3**
- HP 308 - HIV/AIDS: Biological, Medical, Psychosocial, and Legal Perspectives **Credits: 3**
- HP 490 - Special Topics In Health Professions **Credits: 1, 2, or 3**
- NUTR 376 - Principles and Applications in Nutrition **Credits: 3**
- NUTR 378 - Nutrition for Fitness and Sports **Credits: 3**
- PSY 322 - Abnormal Psychology **Credits: 3**
- HP 498 - Current Concepts in the Health Professions **Credits: 3**
- Health Services or other Electives to meet graduation requirements

Health Services Major, Gerontology Specialty, B.S.

2.75 major GPA required; 2.75 cumulative GPA required

Bachelor of Science in Health Services

Health Services Core (15 hours)

C or better required

- HP 211 - The Healthcare Delivery System **Credits: 3**
- GERO 215 - Health Care Aspects of Gerontology **Credits: 3**
- PH 284 - Public Health **Credits: 3**
- HP 302 - Biostatistics **Credits: 3**
- HP 356 - Ethics and Healthcare in a Pluralistic Society **Credits: 3**

Health Services Specialty Area

Health Services majors in Track C are required to complete one specialty area (Health Administration, Gerontology, Health Promotion and Worksite Wellness, Public Health, Long Term Care Administration).

Gerontology Specialty, Pre-Admission Courses

Required pre-admission courses:

- PSY 201 - Introduction to Psychology **Credits: 3**
- MATH 111 - College Algebra **Credits: 4**

Recommended pre-admission courses:

- ENG 210 - Technical Writing **Credits: 3**

Gerontology Specialty (27 hours)

C or better required

- PSY 371 - Adulthood and Aging **Credits: 3**
- GERO 316 - Age Related Health Changes **Credits: 3**
- GERO 317 - Health Care Continuum and Community Services **Credits: 3**
- GERO 318 - Healthy Aging **Credits: 3**
- GERO 321 - Sociological Aspects of Aging **Credits: 3**
- GERO 425 - Health Facilities Administration **Credits: 3**
- HP 480 - Internship in Health Services **Credits: 1, 2, or 3** (Two 3-hour internships required; **6 hours**)
- HP 498 - Current Concepts in the Health Professions **Credits: 3** (senior standing)
- Health Services or other Electives to meet graduation requirements

Health Services Major, Health Administration Specialty, B.S.

2.75 major GPA required; 2.75 cumulative GPA required

Bachelor of Science in Health Services

Health Services Core (15 hours)

C or better required

- HP 211 - The Healthcare Delivery System **Credits: 3**
- GERO 215 - Health Care Aspects of Gerontology **Credits: 3**
- PH 284 - Public Health **Credits: 3**
- HP 302 - Biostatistics **Credits: 3**
- HP 356 - Ethics and Healthcare in a Pluralistic Society **Credits: 3**

Health Services Specialty Area

Health Services majors in Track C are required to complete one specialty area (Health Administration, Gerontology, Health Promotion and Worksite Wellness, Public Health, Long Term Care Administration).

Health Administration Specialty, Pre-Admission Courses

Required pre-admission courses:

- ENG 210 - Technical Writing **Credits: 3**
- CIS 151 - Computer Applications in Business **Credits: 3**
- MATH 111 - College Algebra **Credits: 4**

Recommended pre-admission courses:

- ECON 175 - Fundamentals of Economics **Credits: 3**
- POLS 102 - Introduction to American Politics **Credits: 3**
- ACCT 201 - Accounting Principles I **Credits: 3**
- HP 115 - Medical Terminology For The Health Professions **Credits: 2**

Health Administration Specialty (27 hours)

C or better required

- HA 405 - Health Informatics **Credits: 3**
- HA 411 - Healthcare Leadership **Credits: 3**
- HA 421 - Healthcare Finance **Credits: 3**
- HA 431 - Healthcare Quality **Credits: 3**
- HA 496 - Marketing and Competitive Strategy in Healthcare **Credits: 3**
- PH 485 - Epidemiology **Credits: 3**
- HP 480 - Internship in Health Services **Credits: 1, 2, or 3** (Two 3-hour internships required; **6 hours**)
- HP 498 - Current Concepts in the Health Professions **Credits: 3** (senior standing)
- Health Services or other Electives to meet graduation requirements

Health Services Major, Health Promotion & Worksite Wellness Specialty, B.S.

2.75 major GPA required; 2.75 cumulative GPA required

Bachelor of Science in Health Services

Health Services Core (15 hours)

C or better required

- HP 211 - The Healthcare Delivery System **Credits: 3**
- GERO 215 - Health Care Aspects of Gerontology **Credits: 3**
- PH 284 - Public Health **Credits: 3**
- HP 302 - Biostatistics **Credits: 3**
- HP 356 - Ethics and Healthcare in a Pluralistic Society **Credits: 3**

Health Services Specialty Area

Health Services majors in Track C are required to complete one specialty area (Health Administration, Gerontology, Health Promotion and Worksite Wellness, Public Health, Long Term Care Administration).

Health Promotion & Worksite Wellness Specialty, Pre-Admission Courses

Required pre-admission courses:

- HP 115 - Medical Terminology For The Health Professions **Credits: 2**
- MATH 111 - College Algebra **Credits: 4**

Recommended pre-admission courses:

- ENG 210 - Technical Writing **Credits: 3**
- CIS 151 - Computer Applications in Business **Credits: 3**

Health Promotion & Worksite Wellness Specialty (30 hours)

C or better required

- HP 305 - Structure and Theory: Worksite Wellness and Health Promotion **Credits: 3**
- HP 306 - Evaluation and Application: Worksite Wellness and Health Promotion **Credits: 3**
- HP 378 - Community Health Education Methods **Credits: 3**
- NUTR 376 - Principles and Applications in Nutrition **Credits: 3**
- PH 484 - Environmental Health **Credits: 3**
- HP 409 - Health Promotion and Worksite Wellness Practicum **Credits: 3** (Two 3-hour practicums required; **6 hours**)
- HP 498 - Current Concepts in the Health Professions **Credits: 3** (senior standing)
- Health Services or other Electives to meet graduation requirements

6 hours from the following

- GERO 318 - Healthy Aging **Credits: 3**
- HP 255 - Human Sexuality: A Health Perspective **Credits: 3**
- HP 265 - Alcohol And Drug Abuse: A Health Perspective **Credits: 3**
- CMST 410 - Seminar in Interpersonal Communication **Credits: 3** (Approved topic: Health Communication)

Health Services Major, Long Term Care Administration Specialty, B.S.

2.75 major GPA required; 2.75 cumulative GPA required

Bachelor of Science in Health Services

Health Services Core (15 hours)

C or better required

- HP 211 - The Healthcare Delivery System **Credits: 3**
- GERO 215 - Health Care Aspects of Gerontology **Credits: 3**

- PH 284 - Public Health **Credits: 3**
- HP 302 - Biostatistics **Credits: 3**
- HP 356 - Ethics and Healthcare in a Pluralistic Society **Credits: 3**

Health Services Specialty Area

Health Services majors in Track C are required to complete one specialty area (Health Administration, Gerontology, Health Promotion and Worksite Wellness, Public Health, Long Term Care Administration).

Long Term Care Administration Specialty, Pre-Admission Courses

Required pre-admission courses:

- PSY 201 - Introduction to Psychology **Credits: 3**
- MATH 111 - College Algebra **Credits: 4**

Recommended pre-admission courses:

- ENG 210 - Technical Writing **Credits: 3**
- HP 115 - Medical Terminology For The Health Professions **Credits: 2**
- ECON 175 - Fundamentals of Economics **Credits: 3**
- CIS 151 - Computer Applications in Business **Credits: 3**
- ACCT 201 - Accounting Principles I **Credits: 3**

Long Term Care Administration Specialty (39 hours)

C or better required

- PSY 371 - Adulthood and Aging **Credits: 3**
- GERO 316 - Age Related Health Changes **Credits: 3**
- GERO 317 - Health Care Continuum and Community Services **Credits: 3**
- GERO 321 - Sociological Aspects of Aging **Credits: 3**
- GERO 425 - Health Facilities Administration **Credits: 3**
- HA 405 - Health Informatics **Credits: 3**
- HA 411 - Healthcare Leadership **Credits: 3**
- HA 421 - Healthcare Finance **Credits: 3**
- HA 431 - Healthcare Quality **Credits: 3**
- HA 496 - Marketing and Competitive Strategy in Healthcare **Credits: 3**
- HP 480 - Internship in Health Services **Credits: 1, 2, or 3** (Two 3-hour internships required; **6 hours**)
- HP 498 - Current Concepts in the Health Professions **Credits: 3** (senior standing)
- Health Services or other Electives to meet graduation requirements

Health Services Major, Public Health Specialty, B.S.

2.75 major GPA required; 2.75 cumulative GPA required

Bachelor of Science in Health Services

Health Services Core (15 hours)

C or better required

- HP 211 - The Healthcare Delivery System **Credits: 3**
- GERO 215 - Health Care Aspects of Gerontology **Credits: 3**
- PH 284 - Public Health **Credits: 3**
- HP 302 - Biostatistics **Credits: 3**
- HP 356 - Ethics and Healthcare in a Pluralistic Society **Credits: 3**

Health Services Specialty Area

Health Services majors in Track C are required to complete one specialty area (Health Administration, Gerontology, Health Promotion and Worksite Wellness, Public Health, Long Term Care Administration).

Public Health Specialty, Pre-Admission Courses

Required pre-admission courses:

- HP 115 - Medical Terminology For The Health Professions **Credits: 2**
- MATH 111 - College Algebra **Credits: 4**

Recommended pre-admission courses:

- ENG 210 - Technical Writing **Credits: 3**
- BIOL 251 - Environmental Conservation **Credits: 3**
- CIS 151 - Computer Applications in Business **Credits: 3**

Public Health Specialty (24 hours)

C or better required

- HP 378 - Community Health Education Methods **Credits: 3**
- NUTR 376 - Principles and Applications in Nutrition **Credits: 3**
- PH 385 - Disease Control **Credits: 3**
- PH 484 - Environmental Health **Credits: 3**
- PH 485 - Epidemiology **Credits: 3**
- PH 486 - Public Health Administration **Credits: 3**

9 hours from the following

- HP 480 - Internship in Health Services **Credits: 1, 2, or 3**
- HP 490 - Special Topics In Health Professions **Credits: 1, 2, or 3**
- HP 498 - Current Concepts in the Health Professions **Credits: 3** (senior standing)
- Health Services or other Electives to meet graduation requirements

Optional Courses

The following courses are recommended for students pursuing the Public Health specialty:

- SOC 121 - Principles of Sociology **Credits: 3**
- CHEM 107 - Elements in Everyday Chemistry **Credits: 4**
- BIOL 272 - Medical Microbiology **Credits: 3**

Health Services Major; Degree Completion Option, B.S.

Bachelor of Science in Health Services

Health Services Core (15 hours)

C or better required

- HP 211 - The Healthcare Delivery System **Credits: 3**
- GERO 215 - Health Care Aspects of Gerontology **Credits: 3**
- PH 284 - Public Health **Credits: 3**
- HP 302 - Biostatistics **Credits: 3**
- HP 356 - Ethics and Healthcare in a Pluralistic Society **Credits: 3**

Medical Terminology

- HP 115 - Medical Terminology For The Health Professions **Credits: 2**

Health Services Specialty Overview (12 hours)

- HA 407 - Issues in Health Care Leadership **Credits: 3**
- PH 483 - Health All Around Us: Concepts in Environmental Health **Credits: 3**
- GERO 312 - Living Well Throughout the Lifespan **Credits: 3**
- HP 377 - Foundations for Health Promotion **Credits: 3**

Degree Completion Electives (12 hours)

As directed by a health services advisor, complete 12 hours of electives from among the following:

- GERO 319 - Assessment and Management of Alzheimer's Disease **Credits: 3**
- HP 225 - Pharmacology and Therapeutics **Credits: 3**
- HP 234 - Mechanisms of Pathophysiology **Credits: 3**
- HP 236 - Eastern Medicine and Alternative/Complimentary Healthcare **Credits: 3**
- HP 255 - Human Sexuality: A Health Perspective **Credits: 3**
- HP 265 - Alcohol And Drug Abuse: A Health Perspective **Credits: 3**
- HP 308 - HIV/AIDS: Biological, Medical, Psychosocial, and Legal Perspectives **Credits: 3**
- HP 490 - Special Topics In Health Professions **Credits: 1, 2, or 3**
- NUTR 376 - Principles and Applications in Nutrition **Credits: 3**
- NUTR 378 - Nutrition for Fitness and Sports **Credits: 3**

- PSY 322 - Abnormal Psychology **Credits: 3**
- HP 498 - Current Concepts in the Health Professions **Credits: 3** (senior standing)
- Health Services or other Electives to meet graduation requirements

Gerontology Minor

Health Services Minor Requirements

Non-Health Services majors may pursue any of the following health services-related minors: Gerontology, Health Administration, Health Promotion and Worksite Wellness, or Public Health.

Gerontology Minor (21 hours)

- GERO 215 - Health Care Aspects of Gerontology **Credits: 3**
- PSY 371 - Adulthood and Aging **Credits: 3**
- GERO 316 - Age Related Health Changes **Credits: 3**
- GERO 317 - Health Care Continuum and Community Services **Credits: 3**
- GERO 318 - Healthy Aging **Credits: 3**
- GERO 321 - Sociological Aspects of Aging **Credits: 3**
- GERO 425 - Health Facilities Administration **Credits: 3**

Health Administration Minor

Health Services Minor Requirements

Non-Health Services majors may pursue any of the following health services-related minors: Gerontology, Health Administration, Health Promotion and Worksite Wellness, or Public Health.

Health Administration Minor (21 hours)

- HP 211 - The Healthcare Delivery System **Credits: 3**
- HA 405 - Health Informatics **Credits: 3**
- HA 411 - Healthcare Leadership **Credits: 3**
- HA 421 - Healthcare Finance **Credits: 3**
- HA 431 - Healthcare Quality **Credits: 3**
- HA 496 - Marketing and Competitive Strategy in Healthcare **Credits: 3**
- PH 485 - Epidemiology **Credits: 3**

Health Promotion & Worksite Wellness Minor

Health Services Minor Requirements

Non-Health Services majors may pursue any of the following health services-related minors: Gerontology, Health Administration, Health Promotion and Worksite Wellness, or Public Health.

Health Promotion & Worksite Wellness Minor (27 hours)

- HP 305 - Structure and Theory: Worksite Wellness and Health Promotion **Credits: 3**
- HP 306 - Evaluation and Application: Worksite Wellness and Health Promotion **Credits: 3**
- HP 409 - Health Promotion and Worksite Wellness Practicum **Credits: 3**
- HP 302 - Biostatistics **Credits: 3**
- HP 378 - Community Health Education Methods **Credits: 3**
- PH 484 - Environmental Health **Credits: 3**

9 hours from the following:

- GERO 318 - Healthy Aging **Credits: 3**
- HP 236 - Eastern Medicine and Alternative/Complimentary Healthcare **Credits: 3**
- HP 255 - Human Sexuality: A Health Perspective **Credits: 3**
- HP 265 - Alcohol And Drug Abuse: A Health Perspective **Credits: 3**
- NUTR 376 - Principles and Applications in Nutrition **Credits: 3**
- CMST 410 - Seminar in Interpersonal Communication **Credits: 3** (approved topic: Health Communication)

Public Health Minor

Health Services Minor Requirements

Non-Health Services majors may pursue any of the following health services-related minors: Gerontology, Health Administration, Health Promotion and Worksite Wellness, or Public Health.

Public Health Minor (21 hours)

- HP 302 - Biostatistics **Credits: 3**
- NUTR 376 - Principles and Applications in Nutrition **Credits: 3**
- PH 284 - Public Health **Credits: 3**
- PH 385 - Disease Control **Credits: 3**
- PH 484 - Environmental Health **Credits: 3**
- PH 485 - Epidemiology **Credits: 3**
- PH 486 - Public Health Administration **Credits: 3**

Interdisciplinary Gerontology Minor

(20 hours)

Health Services Minor Requirements

Non-Health Services majors may pursue any of the following health services-related minors: Gerontology, Health Administration, Health Promotion and Worksite Wellness, or Public Health.

Introductory Course (Choose one) 3 credits

- GERO 215 - Health Care Aspects of Gerontology **Credits: 3**
- SOCW 223 - Introduction to Gerontology **Credits: 3**

Interdisciplinary Courses - 9 credits

- GERO 321 - Sociological Aspects of Aging **Credits: 3**
- PSY 371 - Adulthood and Aging **Credits: 3**
- BIOL 233 - Biological Aspects of Aging **Credits: 3**

Specialty Courses (Choose one) 3 credits

One of the following specialty courses (or two elective courses):

- SOCW 323 - Social Work Practice with the Aged **Credits: 3**
- EXSC 488 - Program Design for Healthy and Special Populations **Credits: 3**
- NURS 361 - Care of Elders and Families **Credits: 4**

Elective Course (Choose one) - 3 credits

- GERO 312 - Living Well Throughout the Lifespan **Credits: 3**
- GERO 317 - Health Care Continuum and Community Services **Credits: 3**
- GERO 318 - Healthy Aging **Credits: 3**
- GERO 319 - Assessment and Management of Alzheimer's Disease **Credits: 3**
- GERO 425 - Health Facilities Administration **Credits: 3**
- SOCW 390 - Independent Study in Social Work **Credits: 1-3** Aging Issues

Experiential Course (Choose one) 2 credits

This experiential learning course offers students with engaged learning opportunities specific to gerontology/geriatrics outside of the traditional classroom. Experiences include: practicums, internships, lab-based research projects, clinical experiences, and other field work as approved. (Some of the courses listed below are not offered as 2 credit options.)

- HP 480 - Internship in Health Services **Credits: 1, 2, or 3**
- SOCW 401 - Social Work Practicum I **Credits: 3**
- SOCW 402 - Social Work Practice I **Credits: 3**
- SOCW 411 - Social Work Practicum II **Credits: 6**
- SOCW 412 - Social Work Practice II-Integration Seminar for Social Work Practicum II **Credits: 3**
- PSY 498 - Internship **Credits: 3**
- BIOL 460 - Internship **Credits: 1-4**
- BIOL 499 - Independent Research **Credits: 1-3**
- KIN 393 - Practicum in Kinesiology **Credits: 3**
- KIN 499 - Practicum in Physical Education **Credits: 3-5**

- NURS 358 - Nursing Care of Adults I **Credits: 7**
- NURS 368 - Nursing Care of the Adult II **Credits: 4**
- NURS 468 - Nursing Care of Adults III **Credits: 8**

Nursing

Nursing as an art and science is based on scientific, aesthetic, and ethical knowledge. The professional nurse diagnoses and treats human responses to illness, helps restore wellness, promotes health, and brings comfort to the dying patient. Caring, commitment, critical thinking, and practice competence are characteristics of the USI nurse.

Graduates of the USI nursing program are employed in hospitals, long-term care facilities, schools, clinics, research facilities, and numerous other community settings. Clinical specialty areas include medical, surgical, maternal-child, geriatric, and psychiatric nursing. Additional education and experience provide career opportunities in teaching, research, management, and independent practice.

The undergraduate nursing program is designed to prepare the professional nurse as a generalist to plan, implement, and evaluate healthcare for individuals, families, and groups in institutional and community settings.

Completion of the undergraduate program provides the foundation for professional practice and graduate study in nursing. Students completing and meeting the requirements for graduation from the nursing program will be eligible to sit for the registered nurse licensure exam.

In addition to classroom instruction and simulated learning activities, clinical learning occurs in local hospitals, nursing homes, home health agencies, clinics, and a number of other agencies. Students gain experience with patients in medical, surgical, psychiatric, maternity, pediatric, gerontology, oncology, operating room, critical care, emergency room, post-anesthesia, and community settings. Clinical practice prepares students for employment in these areas following graduation.

The nursing program is accredited by the Indiana State Board of Nursing and by the Commission on Collegiate Nursing Education, One Dupont Circle, Suite 530, Washington D. C. 20036, 202/887-6791.

BSN Program Admission Requirements

Admission to the USI baccalaureate nursing program requires admission to the University and a separate application to the nursing program. Admission is competitive and limited by the availability of instructional resources and clinical learning sites.

To be admitted/enrolled in nursing program courses, students must have a minimum grade of C or better in BIOL 121; BIOL 122; BIOL 272; CHEM 141; NUTR 376 or BIOL 176; ENG 101; ENG 201; CMST 101 or CMST 107; PSY 201; and SOC 121. Students earning less than a C grade in two sciences and/or nutrition courses will not be eligible to be admitted or enrolled in nursing courses.

All students selected for admission to the nursing program also must meet clinical agency requirements, present evidence of satisfactory health status, be eligible for RN licensure, and capable of fulfilling clinical practice requirements. Admission to the nursing program is based on academic qualifications and is contingent upon a satisfactory criminal record check and drug screening. The number of students admitted to the nursing program is limited by the availability of instructional resources and clinical learning sites.

Non-native speakers of English must provide an official report confirming a TOEFL score of 525 (paper test) or 71 (Internet based), or APIEL score of 3, or IELTS score of 6.

Early admission, standard admission, and second degree admission are available for prospective nursing students.

Early Admission

Early admission to the undergraduate nursing program may occur prior to entrance to the University for high school students with outstanding high school achievement and high SAT/ACT scores. Maintenance of an early admission status is contingent on meeting the requirements listed on the website at www.usi.edu/health/nursing/program-admission/bachelor-of-science-in-nursing-admission.

To qualify for early admission, students must have both a high school GPA of 3.5 or above on a 4.0 scale and standardized exam score which is a combined math and reading SAT of 1200 with at least 550 in each area, or an ACT of 26.

Standard Admission

A review of the admission application occurs after completion of 35 hours of required courses (see the course sequence for the specific courses which are considered). Students admitted to the nursing program begin coursework in the following spring semester.

To be considered for admission to the nursing program, students must have completed the 35 college credit hours identified for the first-year courses (or their equivalent) in the nursing curriculum. Admission to the program is competitive and the selection of applicants is based upon the following criteria: GPA in required courses and recommended standardized exam score which is a combined reading and math SAT of 1000 with at least 450 in each area or an ACT of 21. For students who have been out of high school three years or more, a pre-admission standardized nursing exam may be substituted for the SAT or ACT.

In the event that applicants have equivalent qualifications, the written essay and participation in community activities will be considered.

Nursing Major, B.S.N.

USI Baccalaureate Nursing Program Curriculum

A grade of C or better is required in all Nursing courses. A typical semester-by-semester course schedule is listed here.

First Year (30 hours)

Fall Semester (14 hours)

- ENG 101 - Rhetoric and Composition I: Literacy and the Self **Credits: 3**
- BIOL 121 - Human Anatomy and Physiology I **Credits: 4**
- CMST 107 - Introduction to Interpersonal Communication **Credits: 3**
- MATH 114 - Quantitative Reasoning **Credits: 3**
- UNIV 101 - First Year Experience **Credits: 1**

Spring Semester (16 hours)

- ENG 201 - Rhetoric and Composition II: Literacy and the World **Credits: 3**
- BIOL 122 - Human Anatomy and Physiology II **Credits: 4**
- PSY 201 - Introduction to Psychology **Credits: 3**
- CHEM 141 - Principles of Chemistry **Credits: 4**

- HP 115 - Medical Terminology For The Health Professions **Credits: 2**

Second Year (30 hours)

Fall Semester (15 hours)

- NUTR 376 - Principles and Applications in Nutrition **Credits: 3**
- BIOL 272 - Medical Microbiology **Credits: 3**
- HP 302 - Biostatistics **Credits: 3**
- Bachelor of Science - Social Science **Credits: 3**
- Ways of Knowing - WLC, CAE, or HI **Credits: 3**

Spring Semester (15 hours)

- NURS 246 - Introduction to Professional Nursing **Credits: 5**
- NURS 247 - Health Assessment **Credits: 3**
- HP 356 - Ethics and Healthcare in a Pluralistic Society **Credits: 3**
- KIN 192 - Concepts in Wellness and Fitness **Credits: 1**
- Bachelor of Science - World Language and Culture **Credits: 3**

Third Year (31 credit hours)

Fall Semester (15 hours)

- NURS 353 - Nursing Research and Evidence Based Practice **Credits: 3**
- NURS 356 - Pharmacology for Nurses **Credits: 2**
- NURS 357 - Introduction to Patient Care **Credits: 3**
- NURS 358 - Nursing Care of Adults I **Credits: 7**

Spring Semester (16 hours)

- NURS 361 - Care of Elders and Families **Credits: 4**
- NURS 363 - Mental Health Nursing **Credits: 4**
- NURS 364 - Care of Children and Families **Credits: 4**
- NURS 368 - Nursing Care of the Adult II **Credits: 4**

Fourth Year (29 credit hours)

Fall Semester (16 hours)

- NURS 455 - Population-Focused Nursing Practice **Credits: 4**
- NURS 456 - Nursing of Women and Families **Credits: 4**
- NURS 468 - Nursing Care of Adults III **Credits: 8**

Spring Semester (13 hours)

- NURS 467 - Professional Nursing and Healthcare Issues **Credits: 3 or**
- IPH 401 - Interprofessional Perspectives on Global Health **Credits: 3**

- NURS 488 - Leadership in Care Delivery **Credits: 6**
- NURS 498 - Internship in Professional Nursing **Credits: 4**

Additional Information

All nursing courses with the exception of NURS 353, NURS 356, and NURS 467 include either seminar hours (2 seminar hours = 1 hour) or skills lab/clinical experiences (3 clinical hours = 1 hour).

Nursing Major, B.S.N. (RN to BSN)

Registered nurses with an associate degree or diploma may apply for admission to the program and earn a bachelor's degree in nursing by completing the required Core 39 and nursing courses. The nursing courses required for the RN-BSN completion option are provided through a combination of technologies, including Internet delivery, video streaming, pod casting, and email. The flexibility of the RN-BSN option gives nurses the opportunity to complete the course requirements in their own home and on their own schedule with minimal costs.

The curriculum is built upon a foundation of biological, physical, and social sciences with acknowledgement of previously learned content. No further testing of prior knowledge is required if a nurse holds a valid unencumbered RN license in the current state of employment. Additional information about the RN-BSN program is available at <http://health.usi.edu>.

RN-BSN Program Admission Requirements

The requirements for admission to the RN-BSN program include:

- completion of an accredited associate degree or diploma program in nursing
- cumulative grade point average of 2.7 on a 4.0 scale in previous academic work;
- unencumbered RN license (action or pending action against license);
- completion of a USI undergraduate admission application and admission to the University;
- submission of official transcripts from all colleges and universities attended;
- completion of the USI RN-BSN nursing program application;
- employed by or have access to a healthcare work environment to complete course projects; and

Non-native speakers of English must provide an official report confirming a TOEFL score of 525 (paper test) or 71 (Internet based), or APIEL score of 3, or IELTS score of 6.

RN-BSN Curriculum

A maximum of 60 hours of transfer coursework from two-year schools may be applied toward degree requirements. Students are required to complete the Core 39 requirements including a minimum grade of C or better in the following courses: BIOL 121; BIOL 122; PSY 201; and SOC 121 (or other Social Science or Social Inquiry course), HP 356, and HP 302 or MATH 241. In the Ways of Knowing Core 39, students must have one course from the Mathematical and Scientific Inquiry category. Additional course requirements include BIOL 272; NUTR 376 or BIOL 176;

Required Nursing Courses (32 hours)

- NURS 267 - Health Assessment for Registered Nurses **Credits: 3**
- NURS 367 - Application of Evidence Based Practice **Credits: 3**
- NURS 451 - Transition to Advanced Nursing Practice **Credits: 3**
- NURS 457 - Population-Focused Care for Registered Nurses **Credits: 4 ***
- NURS 487 - Leadership in Nursing and Healthcare Organizations **Credits: 6 ***
- NURS 492 - Clinical Synthesis **Credits: 4 ***
- IPH 401 - Interprofessional Perspectives on Global Health **Credits: 3**
- Electives selected from classes that directly support nursing practice. **Credits: 6**

Electives: 0-10 credit hours (to meet total credits required for degree)

Total Program Credit Hours = 120

Note(s):

* Course requirements may be met through a validation process. Contact the undergraduate nursing department for more information.

Occupational Therapy Assistant

The occupational therapist assistant helps individuals gain skills needed to become independent in daily living activities under the direction of and in collaboration with the occupational therapist. Students learn the therapeutic use of self-care, work, and play/leisure activities to maximize independent function, enhance development, prevent disability, and maintain health. The ultimate goal is to improve an individual's quality of life and ability to perform daily activities.

The Occupational Therapy Assistant program consists of a foundation of liberal arts and sciences courses (approximately half of the Core 39 curriculum) and 49 hours of occupational therapy assistant courses. Students take the Core 39 classes and then enroll in Occupational Therapy Assistant program coursework to complete the 43-credit-hour didactic component and the six-credit-hour clinical component. In addition to classroom and laboratory hours, this degree includes 16 40-hour weeks of integrated practicum experiences. Full-time students can complete the Associate of Science Degree with a major in Occupational Therapy Assistant in five semesters and one summer. Graduates of the Occupational Therapy Assistant program are encouraged to continue their studies for a Bachelor of Science degree in Health Services.

The Occupational Therapy Assistant program is accredited by the Accreditation Council for Occupational Therapy Education (ACOTE) of the American Occupational Therapy Association (AOTA), located at 4720 Montgomery Lane, PO Box 31220, Bethesda, MD 20824-1220, phone: 301/652-2682. Graduates of this program are eligible to sit for the Certification Examination for the Certified Occupational Therapy Assistant® administered by the National Board for Certification in Occupational Therapy (NBCOT). After successful completion of this exam, the individual will carry the title Certified Occupational Therapy Assistant (COTA).

Admission Requirements

The prospective student must be admitted to USI before completing a separate application to the Occupational Therapy Assistant program. Admission to the University and completion of all Core classes does not guarantee the student admission to the OTA program. Enrollment in the OTA program is limited and subject to a selection process. Student applicants also must show capability of fulfilling clinical practice requirements, eligibility for occupational therapy practitioner credentialing, and evidence of satisfactory health status. Note: A felony conviction may affect a graduate's eligibility to sit for the NBCOT certification examination or attain state practice credentials; contact the department for further information. For the most current admission

information, call the department at 812/465-1140, email otinfo@usi.edu, or visit the Web site, health.usi.edu/acadprog/ota/index.htm.

Occupational Therapy Assistant Major, A.S.

Core 39 Requirements (29 hours)

Foundations-Composition and Communication

ENG 101 - Rhetoric and Composition I: Literacy and the Self	3 hours
ENG 201 - Rhetoric and Composition II: Literacy and the World	3 hours
CMST 101 - Introduction to Public Speaking or CMST 107 - Introduction to Interpersonal Communication	3 hours

Ways of Knowing-Moral and Ethical Reasoning

HP 356 - Ethics and Healthcare in a Pluralistic Society or PHIL 363 - Bioethics	3 hours
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Physical Activity and Wellness

KIN 192 - Concepts in Wellness and Fitness	1 hour
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Ways of Knowing-Social Inquiry

PSY 201 - Introduction to Psychology	3 hours
SOC 121 - Principles of Sociology	3 hours

Natural Science

BIOL 121 - Human Anatomy and Physiology I	4 hours
BIOL 122 - Human Anatomy and Physiology II	4 hours

Other Course (2 hours)

HP 115 - Medical Terminology For The Health Professions	2 hours
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Occupational Therapy Assistant Major Requirements (48 hours)

- OTA 213 - Pathophysiology and Conditions I **Credits: 3**
- OTA 214 - Pathophysiology and Conditions II **Credits: 3**
- OTA 221 - Technical Communication **Credits: 3**
- OTA 231 - Therapeutic Media **Credits: 3**
- OTA 232 - Media and Modalities **Credits: 2**
- OTA 241 - Occupational Performance Components I **Credits: 4**
- OTA 242 - Occupational Performance Components II **Credits: 5**
- OTA 297 - Practicum Seminar A **Credits: 2**
- OTA 298 - Practicum Seminar B **Credits: 2**
- OTA 343 - Occupational Performance Areas I **Credits: 5**
- OTA 344 - Occupational Performance Areas II **Credits: 4**
- OTA 345 - Occupational Performance in Pediatrics **Credits: 3**
- OTA 372 - Management for Occupational Therapy Assistants **Credits: 3**
- OTA 397 - Technical Fieldwork A **Credits: 3**
- OTA 398 - Technical Fieldwork B **Credits: 3**

Note:

* Program Entry Course (PEC); students are allowed to take this course before actually being admitted to the OTA program. Admission to the OTA program is required for a student to enroll in any of the OTA classes that are not designated as a * PEC class.

Radiologic and Imaging Sciences

The Radiologic and Imaging Sciences program prepares individuals to function as entry-level radiographers and sonographers. Radiologic technology and diagnostic medical sonography specialty tracks are offered. The radiologic technologist and sonographer perform diagnostic examinations and assist physicians in the performance of fluoroscopic, special radiographic procedures, and special sonographic procedures. Radiologic and sonographic examinations are performed in a variety of settings, including radiographic/sonographic rooms, patient rooms, emergency rooms, surgery, and critical care units. The radiographer and sonographer are responsible for operating diagnostic equipment, preparing contrast materials, positioning the patient to produce the proper image, caring for the patient during the examination, and evaluating the quality of resulting images. Radiographers and sonographers are employed by hospitals, medical centers, physicians' offices, clinics, and other care centers.

The Bachelor of Science in Radiologic and Imaging Sciences degree program offers three separate tracks of study. Track 1 is radiologic technology for the traditional student preparing for the radiologic technology role. Track 2 is diagnostic medical sonography for the traditional student preparing for the diagnostic medical sonographer role. Track 3 is for the student who seeks a radiologic technology specialty in the radiologic and imaging sciences area who is already certified in radiography or who have completed an allied health program recognized by the American Registry of Radiologic Technologists (ARRT).

The Joint Review Committee on Education in Radiologic Technology (JRCERT) evaluated the baccalaureate degree track radiography program on July 13-14, 2009. The USI Radiologic & Imaging Sciences Track 1 received accreditation for a period of eight years which is the maximum duration that can be awarded by the JRCERT. The USI Radiologic & Imaging Sciences Track 2-Diagnostic Medical Sonography is accredited by the Commission on Accreditation of Allied Health Education Programs (CAAHEP).

Pre-radiologic and imaging sciences majors can apply for either Track 1 or Track 2. The three semesters of study for the pre-radiologic imaging sciences Track 1 and Track 2 majors provide the prerequisite courses needed to enter the professional study program. Students accepted into the Bachelor of Science in Radiologic and Imaging Sciences Track 1 or Track 2 majors begin professional course work during the spring semester of their second year. Graduates of the Bachelor of Science in Radiologic and

Imaging Sciences Track 1 program receive a Bachelor of Science in Radiologic and Imaging Sciences and are eligible to sit for the national registry examination. Students completing Track 2 receive the Bachelor of Science in Radiologic and Imaging Sciences and are eligible to sit for credentialing examinations organized by the American Registry for Diagnostic Medical Sonography (ARDMS).

Registered radiologic technologists or others who have completed an allied health program recognized by the American Registry of Radiologic Technologists (ARRT) are eligible to enroll in the Radiologic and Imaging Sciences Track 3. All Track 3 professional course work is offered via the Internet with preceptor clinical practice.

To obtain the knowledge and skills necessary for success in radiologic and imaging sciences, students must follow a prescribed sequence of academic and clinical courses including the Core 39. Core 39, radiologic technology, and diagnostic medical sonography didactic courses are taught on campus. Clinical courses are conducted at regional healthcare centers. All courses are scheduled during daytime hours (5 a.m. to 7 p. m.). To provide comprehensive clinical experiences, students are required to complete occasional 11 a. m. to 7 p. m. assignments and rotate to different clinical sites. Clinical sites for Track I and Track 2 students will be located within 75 miles of Evansville. In addition, students in the radiologic technology program may elect rotations in their last semester of clinical for shifts on non-day hours (evenings and nights).

Admission Requirements

Applicants must be accepted for admission to the University before being admitted to the radiologic and imaging sciences program. A separate application must be submitted for admission to the program. Program application forms may be obtained from the College of Nursing and Health Professions. Completed applications for the BS in Radiologic and Imaging Sciences Track 1 or Track 2 specialty areas must be received by September 15 of the requested academic admission year. A copy of all college/university transcripts must be submitted with the application. Admission to the program is competitive and is based on academic and other professional related qualifications. Additional information related to the admission process is available on the program's web site.

Preferred applicant qualifications include:

- a postsecondary prerequisite course grade point average of 3.0 or above (4.0 scale); and
- completion of the required pre-radiology courses.

All qualified applicants are interviewed by the Radiologic Technology Admissions Committee or the Diagnostic Medical Sonography Admissions Committee, which consists of program faculty and clinical instructors. All interviews are confidential, private, and scheduled by appointment. The committee's decision is conveyed by letter within 2 weeks following the completion of interviews.

Students meeting academic requirements must be in good health, capable of fulfilling clinical practice requirements, and eligible for radiologic technology or sonography certification.

Radiologic and Imaging Sciences Major (Track 1), B.S.

Radiologic and Imaging Sciences Degree Requirements

Candidates for the Radiologic and Imaging Sciences must meet the following general requirements and complete the Radiologic and Imaging Sciences professional courses required for the specialty area of study:

- Complete the USI Core 39
- Maintain a grade of C or better in all Radiologic and Imaging Sciences courses and other selected courses
- Maintain a 2.0 grade point average or better.

Track 1 – Radiologic Technology Curriculum

A grade of C or better is required for all radiologic and imaging science courses, plus select Core 39 courses. A typical semester-by-semester course schedule is shown here.

Fall and Spring Semesters - First Year and Fall Semester - Second Year

Requirements for Core 39

Foundations: 14 hours (minimum)

- ENG 101 - Rhetoric and Composition I: Literacy and the Self **Credits: 3**
- ENG 201 - Rhetoric and Composition II: Literacy and the World **Credits: 3**

- CMST 101 - Introduction to Public Speaking **Credits: 3 or**
- CMST 107 - Introduction to Interpersonal Communication **Credits: 3**

- Math (any approved MATH course)
- Physical Activity and Wellness (any approved Physical activity or Wellness course)
- UNIV 101 - First Year Experience **Credits: 1**

Ways of Knowing: 12 hours (minimum)

Select from four (4) of the six (6) categories; need four categories:

- Creative and Aesthetic Expression
- Historical Inquiry
- Moral and Ethical Reasoning
- Scientific and Mathematical Inquiry
- Social Inquiry
- World Languages and Culture

Bachelor of Science: 13 hours (minimum)

- World Language and Culture
- Natural Science with Lab: (BIOL 121 - Human Anatomy and Physiology I, **4 hours**)
- Natural Science and Lab (2nd Course): (BIOL 122 - Human Anatomy and Physiology II, **4 hours**)
- Social Science

Embedded Experiences

- Radiologic and Imaging Science - Track 1 majors should select any Ways of Knowing or Bachelor of Science; or B.S. in Radiologic and Imaging Sciences - Track 1 major courses that have an embedded experience in Diversity, Global and/or Writing.

Additional Courses

Additional courses required for the B.S. in Radiologic and Imaging Sciences - Track 1 majors:

- HP 115 - Medical Terminology For The Health Professions **Credits: 2**
- RADT 196 - Orientation to Radiologic and Imaging Sciences **Credits: 2**

Second Year

Spring Semester (8 hours)

- DMS 301 - Patient Care for Imaging Sciences Professionals **Credits: 2**
- RADT 308 - Introduction to Radiographic Positioning **Credits: 3**
- RADT 311 - Introduction to Radiologic Technology **Credits: 3**

Summer Sessions (8 hours)

- RADT 312 - Radiographic Exposure **Credits: 3**
- RADT 313 - Radiographic Procedures I **Credits: 3**
- RADT 333 - Clinical Practicum I **Credits: 2**

Third Year

Fall Semester (14 hours)

- RADT 316 - Radiographic Procedures II **Credits: 3**
- RADT 334 - Radiologic Physics **Credits: 3**
- RADT 343 - Clinical Practicum II **Credits: 2**
- RADT 411 - CT/MRI Physics and Instrumentation **Credits: 3**
- RADT 412 - Advanced Radiographic Exposure and Mobile Radiography **Credits: 3**

Spring Semester (12 hours)

- RADT 318 - Radiographic Procedures III **Credits: 3**
- RADT 335 - Radiation Biology **Credits: 2**
- RADT 337 - Introduction to Invasive Imaging Procedures **Credits: 2**
- RADT 353 - Clinical Practicum III **Credits: 2**
- RADT 413 - Magnetic Resonance Imaging and Computed Tomography Procedures I **Credits: 3**

Summer Sessions (6 hours)

- RADT 415 - Magnetic Resonance Imaging and Computed Tomography Procedures II **Credits: 3**
- RADT 435 - Clinical Practicum IV **Credits: 3**

Fourth Year

Fall Semester (12 hours)

- RADT 345 - Radiographic Pathology **Credits: 3**
- RADT 424 - Radiologic and Imaging Sciences Practice and Management **Credits: 3**
- RADT 425 - Radiographic Critique **Credits: 3**
- RADT 445 - Clinical Practicum V **Credits: 3**

Spring Semester (12 hours)

- RADT 355 - Advanced Patient Care for Imaging Sciences **Credits: 3**
- RADT 427 - Digital Radiography and Imaging Informatics **Credits: 3**
- RADT 455 - Clinical Practicum VI **Credits: 3**
- RADT 491 - Professional Development and Literacy in Imaging Sciences **Credits: 3**

Radiologic and Imaging Sciences Major, (Track 2A) General Sonography and Vascular Specialty, B.S.

The DMS program at USI is accredited by the Commission on Accreditation of Allied Health Education Programs (www.caahep.org).

Radiologic and Imaging Sciences major, Diagnostic Medical Sonography curriculum, Option 1: General + Vascular Specialties

Radiologic and Imaging Sciences Degree Requirements

Candidates for the Radiologic and Imaging Sciences must meet the following general requirements and complete the Radiologic and Imaging Sciences professional courses required for the specialty area of study:

- Complete the USI Core 39
- Maintain a grade of C or better in all Radiologic and Imaging Sciences courses and other selected courses
- Maintain a 2.0 grade point average or better.

Radiologic and Imaging Science: Track 2

Diagnostic Medical Sonography Curriculum

Students in the Radiologic and Imaging Science major who follow Track 2 - Diagnostic Medical Sonography complete three years of common curriculum, then select one of two options to complete degree requirements:

1. General Sonography + Vascular Specialty
2. General Sonography + Echocardiography Specialty

A grade of C or better is required for all radiologic and imaging science courses, plus select Core 39 courses. A typical semester-by-semester class schedule is shown here.

First Year

Fall Semester (16 hours)

- ENG 101 - Rhetoric and Composition I: Literacy and the Self **Credits: 3**
- CMST 101 - Introduction to Public Speaking **Credits: 3 or**
- CMST 107 - Introduction to Interpersonal Communication **Credits: 3**
- MATH 114 - Quantitative Reasoning **Credits: 3 or**
- MATH 215 - Survey of Calculus **Credits: 3 or**
- MATH 230 - Calculus I **Credits: 4**
- BIOL 121 - Human Anatomy and Physiology I **Credits: 4**
- UNIV 101 - First Year Experience **Credits: 1**
- HP 115 - Medical Terminology For The Health Professions **Credits: 2**

Spring Semester (15 hours)

- ENG 201 - Rhetoric and Composition II: Literacy and the World **Credits: 3**
- BIOL 122 - Human Anatomy and Physiology II **Credits: 4**
- PHYS 101 - Introduction to the Physical Sciences **Credits: 3**
- RADT 196 - Orientation to Radiologic and Imaging Sciences **Credits: 2**
- WOK-SIQ Choose course from Ways of Knowing-Social Inquiry **Credits: 3**

All courses listed above (31 hours) must be completed with a C or better and the grade must be available to be eligible to apply to the DMS program.

Second Year

Fall Semester (13 hours)

- KIN 192 - Concepts in Wellness and Fitness **Credits: 1 or**
- KIN 281 - Personal Health Science **Credits: 3**
- BS-SS Choose one course from BS-Social Science **Credits: 3**
- BS-WLC Choose one course from BS-World Languages and Cultures **Credits: 3**
- HP 356 - Ethics and Healthcare in a Pluralistic Society **Credits: 3**
- HP 211 - The Healthcare Delivery System **Credits: 3**

Spring Semester (12 hours)

- DMS 301 - Patient Care for Imaging Sciences Professionals **Credits: 2**
- DMS 312 - Introduction to DMS Principles and Procedures **Credits: 2**
- DMS 313 - Sonographic Sectional Anatomy **Credits: 2**
- IPH 401 - Interprofessional Perspectives on Global Health **Credits: 3**
WOK elective Choose one course from Creative and Aesthetic Expression, Historical Inquiry or World Languages and Culture **Credits: 3**

Summer Semester (6 hours)

- DMS 315 - Abdominal Procedures **Credits: 3**
- DMS 316 - Sonographic Lab Practice I **Credits: 3**

Third Year

Fall Semester (14 hours)

- DMS 321 - Sonographic Physics and Instrumentation I **Credits: 3**
- DMS 323 - Obstetric Procedures **Credits: 3**
- DMS 324 - Gynecology Procedures **Credits: 3**
- DMS 326 - Sonographic Lab Practice II **Credits: 2**
- DMS 327 - Clinical Practice I-General **Credits: 3**

Spring Semester (13 hours)

- DMS 331 - Sonographic Physics and Instrumentation II **Credits: 3**
- DMS 332 - Small Parts, Neurosonography, and Specialty Exams **Credits: 3**
- DMS 333 - Critique, Clinical Correlation, & Case Analysis **Credits: 3**
- DMS 337 - Clinical Practice II-General **Credits: 4**

Option 1: General + Vascular Specialty Track

Summer Semester (8 hours)

- DMS 347 - Advanced Clinical Practice **Credits: 4** (32 hours per wk)
- DVT 398 - Introduction to Sonographic Vascular Lab **Credits: 2**
- DVT 401 - Introduction to Vascular Anatomy and Procedures **Credits: 2**

Fourth Year

Fall Semester (12 hours)

- DVT 402 - Vascular Procedures I **Credits: 3**
- DVT 423 - Sonographic Vascular Lab Practice I **Credits: 2**
- DVT 426 - Clinical Practice I-Vascular **Credits: 4** (32 hours per wk)
- Writing (EE) Choose Embedded Experience-Writing Course **Credits: 3**

Spring Semester (11 hours)

- DVT 421 - Vascular Procedures II **Credits: 2**
- DMS 436 - Sonographic Professional Advancement Seminar **Credits: 3**
- DVT 437 - Clinical Practice II-Vascular **Credits: 3** (24 hours per wk)

- HA 405 - Health Informatics **Credits: 3 or**
- HA 431 - Healthcare Quality **Credits: 3**

Radiologic and Imaging Sciences Major, (Track 2B) General Sonography and Echocardiography Specialty, B.S.

Radiologic and Imaging Sciences major, Diagnostic Medical Sonography Curriculum, Option 2: General Sonography + Echocardiography Specialty

Radiologic and Imaging Sciences Degree Requirements

Candidates for the Radiologic and Imaging Sciences must meet the following general requirements and complete the Radiologic and Imaging Sciences professional courses required for the specialty area of study:

- Complete the USI Core 39
- Maintain a grade of C or better in all Radiologic and Imaging Sciences courses and other selected courses
- Maintain a 2.0 grade point average or better.

Radiologic and Imaging Science: Track 2

Diagnostic Medical Sonography Curriculum

Students in the Radiologic and Imaging Science major who follow Track 2 - Diagnostic Medical Sonography complete three years of common curriculum, then select one of two options to complete degree requirements:

1. General Sonography + Vascular Specialty
2. General Sonography + Echocardiography Specialty

A grade of C or better is required for all radiologic and imaging science courses, plus select Core 39 courses. A typical semester-by-semester class schedule is shown here.

First Year

Fall Semester (16 hours)

- ENG 101 - Rhetoric and Composition I: Literacy and the Self **Credits: 3**
- CMST 101 - Introduction to Public Speaking **Credits: 3 or**
- CMST 107 - Introduction to Interpersonal Communication **Credits: 3**
- MATH 114 - Quantitative Reasoning **Credits: 3 or**
- MATH 215 - Survey of Calculus **Credits: 3 or**
- MATH 230 - Calculus I **Credits: 4**
- BIOL 121 - Human Anatomy and Physiology I **Credits: 4**
- UNIV 101 - First Year Experience **Credits: 1**
- HP 115 - Medical Terminology For The Health Professions **Credits: 2**

Spring Semester (15 hours)

- ENG 201 - Rhetoric and Composition II: Literacy and the World **Credits: 3**
- BIOL 122 - Human Anatomy and Physiology II **Credits: 4**
- PHYS 101 - Introduction to the Physical Sciences **Credits: 3**
- RADT 196 - Orientation to Radiologic and Imaging Sciences **Credits: 2**
- WOK-SIQ Choose course from Ways of Knowing-Social Inquiry **Credits: 3**

All courses listed above (31 hours) must be completed with a C or better and the grade must be available to be eligible to apply to the DMS program.

Second Year

Fall Semester (13 hours)

- KIN 192 - Concepts in Wellness and Fitness **Credits: 1 or**
- KIN 281 - Personal Health Science **Credits: 3**

- BS-SS Choose one course from BS-Social Science **Credits: 3**
- BS-WLC Choose one course from BS-World Languages and Cultures **Credits: 3**
- HP 356 - Ethics and Healthcare in a Pluralistic Society **Credits: 3**
- HP 211 - The Healthcare Delivery System **Credits: 3**

Spring Semester (12 hours)

- DMS 301 - Patient Care for Imaging Sciences Professionals **Credits: 2**
- DMS 312 - Introduction to DMS Principles and Procedures **Credits: 2**
- DMS 313 - Sonographic Sectional Anatomy **Credits: 2**
- IPH 401 - Interprofessional Perspectives on Global Health **Credits: 3**
WOK elective Choose one course from Creative and Aesthetic Expression, Historical Inquiry or World Languages and Culture **Credits: 3**

Summer Semester (6 hours)

- DMS 315 - Abdominal Procedures **Credits: 3**
- DMS 316 - Sonographic Lab Practice I **Credits: 3**

Third Year

Fall Semester (14 hours)

- DMS 321 - Sonographic Physics and Instrumentation I **Credits: 3**
- DMS 323 - Obstetric Procedures **Credits: 3**
- DMS 324 - Gynecology Procedures **Credits: 3**

- DMS 326 - Sonographic Lab Practice II **Credits: 2**
- DMS 327 - Clinical Practice I-General **Credits: 3**

Spring Semester (13 hours)

- DMS 331 - Sonographic Physics and Instrumentation II **Credits: 3**
- DMS 332 - Small Parts, Neurosonography, and Specialty Exams **Credits: 3**
- DMS 333 - Critique, Clinical Correlation, & Case Analysis **Credits: 3**
- DMS 337 - Clinical Practice II-General **Credits: 4**

Option 2: General Sonography + Echocardiography Specialty Track

Summer Semester (8 hours)

- DMS 347 - Advanced Clinical Practice **Credits: 4** (32 hours per wk)
- ECHO 398 - Introduction to Echocardiography Lab **Credits: 2**
- ECHO 401 - Introduction to Echocardiography **Credits: 2**

Fourth Year

Fall Semester (12 hours)

- ECHO 402 - Advanced Echocardiography **Credits: 3**
- ECHO 423 - Echocardiography Lab Practice I **Credits: 2**
- ECHO 426 - Clinical Practice I-Cardiac **Credits: 4** (32 hours per wk)
- Writing (EE) Choose Embedded Experience-Writing course **Credits: 3**

Spring Semester (11 hours)

- ECHO 421 - Fetal Echocardiography **Credits: 2**
- DMS 436 - Sonographic Professional Advancement Seminar **Credits: 3**
- ECHO 437 - Clinical Practice II-Cardiac **Credits: 3** (24 hours per wk)

- HA 405 - Health Informatics **Credits: 3 or**
- HA 431 - Healthcare Quality **Credits: 3**

Radiologic and Imaging Sciences Major, (Track 3A) Clinical Education Specialty, B.S.

BS in Radiologic and Imaging Sciences

Radiologic and Imaging Science Program, Track 3 Registered Allied Health Specialist + Specialty Tracks

Admission to Track 3 requires graduation from an allied health professions program recognized by the American Registry of Radiologic Technologists (ARRT). Students for this track also must have passed the AART certification exam and are currently registered by the AART.

Track 3 majors will select one of the three specialty areas to complete their BS in Radiologic and Imaging program:

- Track 3 A — Clinical Education
- Track 3 B — Radiologic Management or
- Track 3 C — Magnetic Resonance Imaging and Computed Tomography

A minimum of 30 semester credit hours must be taken at the University of Southern Indiana. The BS in Radiologic and Imaging Sciences majors must complete a minimum of 39 hours of 300/400 level credit hours.

Specialty Area Track 3 Curricula:

* Completion of the University Core 39 Curriculum;

** Completion of an allied health professions program recognized by the American Registry of Radiologic Technologists (AART). Registered radiologic technologists or others who have completed an allied health program recognized by the American Registry of Radiologic Technologic Technologists (AART) will receive 2 semester hours of lower level and 46 semester hours of upper level block credit.

* Completion of Track 3 special area courses.

* Admission to Tracks 3 A, B, or C required that the student is a registered radiographer or other that has completed an allied health program recognized by the AART.

** Block credit for Track 3 majors for passing the AART certification exam.

Radiologic and Imaging Sciences Degree Requirements

Candidates for the Radiologic and Imaging Sciences must meet the following general requirements and complete the Radiologic and Imaging Sciences professional courses required for the specialty area of study:

- Complete the USI Core 39
- Maintain a grade of C or better in all Radiologic and Imaging Sciences courses and other selected courses
- Maintain a 2.0 grade point average or better.

Track 3 A, Clinical Education Specialty (33 hours)

**Registered Radiographer + Radiologic and Imaging Clinical Education Specialty Track.
A grade of C or better is required in all courses.**

- HP 211 - The Healthcare Delivery System **Credits: 3**
- HP 356 - Ethics and Healthcare in a Pluralistic Society **Credits: 3**
- HP 377 - Foundations for Health Promotion **Credits: 3**
- HA 407 - Issues in Health Care Leadership **Credits: 3**
- RADT 305 - Current Issues in Radiologic and Imaging Sciences **Credits: 3**
- RADT 411 - CT/MRI Physics and Instrumentation **Credits: 3**
- RADT 413 - Magnetic Resonance Imaging and Computed Tomography Procedures I **Credits: 3**

- RADT 415 - Magnetic Resonance Imaging and Computed Tomography Procedures II **Credits: 3**
- RADT 424 - Radiologic and Imaging Sciences Practice and Management **Credits: 3**
- RADT 427 - Digital Radiography and Imaging Informatics **Credits: 3**
- RADT 491 - Professional Development and Literacy in Imaging Sciences **Credits: 3**

Radiologic and Imaging Sciences Major, (Track 3B) Management Specialty, B.S.

BS in Radiologic and Imaging Sciences

Radiologic and Imaging Science Program, Track 3 Registered Allied Health Specialist + Specialty Tracks

Admission to Track 3 requires graduation from an allied health professions program recognized by the American Registry of Radiologic Technologists (ARRT). Students for this track also must have passed the AART certification exam and are currently registered by the AART.

Track 3 majors will select one of the three specialty areas to complete their BS in Radiologic and Imaging program:

- Track 3 A — Clinical Education
- Track 3 B — Radiologic Management or
- Track 3 C — Magnetic Resonance Imaging and Computed Tomography

A minimum of 30 semester credit hours must be taken at the University of Southern Indiana. The BS in Radiologic and Imaging Sciences majors must complete a minimum of 39 hours of 300/400 level credit hours.

Specialty Area Track 3 Curricula:

* Completion of the University Core 39 Curriculum;

** Completion of an allied health professions program recognized by the American Registry of Radiologic Technologists (AART). Registered radiologic technologists or others who have completed an allied health program recognized by the American Registry of Radiologic Technologists (AART) will receive 2 semester hours of lower level and 46 semester hours of upper level block credit.

* Completion of Track 3 special area courses.

* Admission to Tracks 3 A, B, or C required that the student is a registered radiographer or other that has completed an allied health program recognized by the AART.

** Block credit for Track 3 majors for passing the AART certification exam.

Radiologic and Imaging Sciences Degree Requirements

Candidates for the Radiologic and Imaging Sciences must meet the following general requirements and complete the Radiologic and Imaging Sciences professional courses required for the specialty area of study:

- Complete the USI Core 39
- Maintain a grade of C or better in all Radiologic and Imaging Sciences courses and other selected courses
- Maintain a 2.0 grade point average or better.

Track 3 B, Radiology Management Specialty (33 hours)

Registered Radiographer + Radiologic and Imaging Management Specialty Track.

A grade of C or better is required in all courses.

- HP 211 - The Healthcare Delivery System **Credits: 3**
- HP 356 - Ethics and Healthcare in a Pluralistic Society **Credits: 3**
- HP 302 - Biostatistics **Credits: 3**
- HA 407 - Issues in Health Care Leadership **Credits: 3**
- PH 284 - Public Health **Credits: 3**
- PH 483 - Health All Around Us: Concepts in Environmental Health **Credits: 3**
- RADT 305 - Current Issues in Radiologic and Imaging Sciences **Credits: 3**
- RADT 411 - CT/MRI Physics and Instrumentation **Credits: 3**
- RADT 424 - Radiologic and Imaging Sciences Practice and Management **Credits: 3**
- RADT 427 - Digital Radiography and Imaging Informatics **Credits: 3**
- RADT 491 - Professional Development and Literacy in Imaging Sciences **Credits: 3**

Radiologic and Imaging Sciences Major, (Track 3C) MRI and CT Specialty, B.S.

BS in Radiologic and Imaging Sciences

Radiologic and Imaging Science Program, Track 3

Registered Allied Health Specialist + Specialty Tracks

Admission to Track 3 requires graduation from an allied health professions program recognized by the American Registry of Radiologic Technologists (ARRT). Students for this track also must have passed the AART certification exam and are currently registered by the AART.

Track 3 majors will select one of the three specialty areas to complete their BS in Radiologic and Imaging program:

- Track 3 A — Clinical Education
- Track 3 B — Radiologic Management or
- Track 3 C — Magnetic Resonance Imaging and Computed Tomography

A minimum of 30 semester credit hours must be taken at the University of Southern Indiana. The BS in Radiologic and Imaging Sciences majors must complete a minimum of 39 hours of 300/400 level credit hours.

Specialty Area Track 3 Curricula:

* Completion of the University Core 39 Curriculum;

** Completion of an allied health professions program recognized by the American Registry of Radiologic Technologists (AART). Registered radiologic technologists or others who have completed an allied health program recognized by the American Registry of Radiologic Technologic Technologists (AART) will receive 2 semester hours of lower level and 46 semester hours of upper level block credit.

* Completion of Track 3 special area courses.

* Admission to Tracks 3 A, B, or C required that the student is a registered radiographer or other that has completed an allied health program recognized by the AART.

** Block credit for Track 3 majors for passing the AART certification exam.

Radiologic and Imaging Sciences Degree Requirements

Candidates for the Radiologic and Imaging Sciences must meet the following general requirements and complete the Radiologic and Imaging Sciences professional courses required for the specialty area of study:

- Complete the USI Core 39
- Maintain a grade of C or better in all Radiologic and Imaging Sciences courses and other selected courses
- Maintain a 2.0 grade point average or better.

Track 3 C, MRI & CT Specialty (33 hours)

Registered Radiographer + Radiologic and Imaging Magnetic Resonance Imaging and Computed Tomography Specialty Track. A grade of C or better is required in all courses.

- HP 356 - Ethics and Healthcare in a Pluralistic Society **Credits: 3**
- RADT 307 - Critical Thinking Skills in Radiography **Credits: 3**
- RADT 411 - CT/MRI Physics and Instrumentation **Credits: 3**
- RADT 413 - Magnetic Resonance Imaging and Computed Tomography Procedures I **Credits: 3**
- RADT 414 - Clinical VII – CT/MRI **Credits: 3**
- RADT 415 - Magnetic Resonance Imaging and Computed Tomography Procedures II **Credits: 3**
- RADT 416 - Clinical VIII – CT/MRI **Credits: 3**
- RADT 424 - Radiologic and Imaging Sciences Practice and Management **Credits: 3**
- RADT 427 - Digital Radiography and Imaging Informatics **Credits: 3**
- RADT 486 - Clinical IX – CT/MRI **Credits: 3**
- RADT 491 - Professional Development and Literacy in Imaging Sciences **Credits: 3**

Respiratory Therapy

Respiratory therapists work in a rapidly changing, fast-paced medical environment and possess advanced knowledge for the care and treatment of patients with cardiopulmonary deficiencies and diseases. Respiratory therapy is a health profession whose practitioners function in the diagnosis, treatment, management, and preventive care of patients with medical disorders such as asthma, emphysema, pneumonia, pulmonary edema, croup, bronchitis, and newborn and acute respiratory distress. These professionals utilize their specialized knowledge, critical thinking, clinical expertise, and interpersonal skills to care directly for patients. The respiratory therapist is proficient in the therapeutic use of medical gases, humidification, aerosols, artificial airways, mechanical ventilation, chest physiotherapy, and cardiopulmonary resuscitation.

To obtain required knowledge and skills needed for respiratory therapy, students must follow a prescribed sequence of academic and clinical courses. Core 39 courses also are required for completion of degree requirements. All Core 39 courses and most respiratory therapy (REST) courses are taught on campus. Clinical courses are conducted at various clinical sites including Deaconess Hospital, St. Mary's Medical Center, Henderson Community Methodist Hospital, Good Samaritan Hospital of Vincennes, Owensboro Mercy Health Systems, and other area healthcare facilities.

The program involves 24 months of continuous full-time study. To complete the program, students must pass all required Core 39 courses, and earn a grade of C or better in all REST courses. Core 39 courses may be completed on a part-time basis prior to entering the program, or they can be transferred from other approved institutions. Students interested in completing Core 39 courses prior to entering the program or transferring credits should contact the program chair.

An Associate of Science degree in Respiratory Therapy is awarded to students who successfully complete the program. Graduates are eligible to take the examinations (entry-level and registry) given by the National Board for Respiratory Care and become registered therapists (R.R.T.) upon successful completion of the credentialing process. Graduates are encouraged to continue their studies for a Bachelor of Science degree in Health Services.

Accreditation

The program is accredited by the Commission on Accreditation for Respiratory Care (CoARC). CoARC is located at 1248 Harwood Road, Bedford, TX 67021-4244 and can be reached at 817-283-2835.

Admission Requirements

Applicants must be admitted to the University before being admitted to the respiratory therapy program. A separate application must be submitted for admission to the program. Application forms for the respiratory therapy program may be obtained from the College of Nursing and Health Professions or by calling 812/464-1708. The completed form must be submitted to the respiratory therapy program by April 1 of the year the student wishes to enter. Due to limited enrollment in this program, applicants are encouraged to apply as soon as possible. A complete set of official high school and any college/ university transcripts must be included with the program application form.

Respiratory Therapy Program Admission

Applicants must apply and be accepted to the University of Southern Indiana. This includes payment of an application fee as well as submission of high school and college/university transcripts to the office of Admissions, 8600 University Blvd., Evansville, IN 47712.

In addition, applicants must complete and submit the Respiratory Therapy Program application that can be found on the USI College of Nursing and Health Professions website (<http://health.usi.edu>) or in the College of Nursing and Health Professions office. Applicants are required to complete 12 hours of observation in a hospital respiratory therapy department. The verification form for observation hours can be found online (<http://health.usi.edu>) and must be submitted with the application. Respiratory Therapy applications are due on or before May 1 of the year the student desires admission to the program.

Applicants must have a minimum high school or college grade point average (GPA) of 2.5 or above based on a 4.0 scale.

Applications will be scored using the following guidelines:

- 24 possible points from GPA: Multiply GPA by 6. Most recent college GPA will be used if 24 hours have been earned. If an applicant has not accumulated 24 hours, then high school GPA will be used.
- 3 possible points from Health Care Experience: 2 points for direct patient care health work experience or 1 point for non-direct health care work experience or for completion of a health occupation program.
- 5 possible points from Academic Preparedness – 1 point for each of the following courses with a grade of "C" or above: BIOL 121 Anatomy and Physiology I, BIOL 122 Anatomy and Physiology II, CHEM 103, Molecules, Matter and Me or higher Core 39 chemistry course, PHYS 101 Introduction of the Physical Science or higher Core 39 physics course, and Core 39 math course.
- Students must be in good health, eligible for respiratory therapy certification and capable of fulfilling clinical practice requirements.

Respiratory Therapy Major, A.S.

Respiratory Therapy Curriculum

All respiratory therapy (REST) courses require a grade of C or better. A typical semester-by-semester course schedule is listed here.

First Year

Fall Semester (15-16 hours)

- BIOL 121 - Human Anatomy and Physiology I **Credits: 4**
- CHEM 107 - Elements in Everyday Chemistry **Credits: 4 or**
- CHEM 103 - Molecules, Matter, and Me **Credits: 3**
- REST 101 - Respiratory Therapy Procedures I **Credits: 2**
- REST 103 - Respiratory Therapy Procedures III **Credits: 2**
- REST 116 - Respiratory Care I **Credits: 2**
- REST 291 - Clinical Practice of Respiratory Therapy Procedures I And III **Credits: 2**

Spring Semester (19 hours)

- BIOL 122 - Human Anatomy and Physiology II **Credits: 4**
- HP 225 - Pharmacology and Therapeutics **Credits: 3**
- PSY 201 - Introduction to Psychology **Credits: 3**
- REST 102 - Respiratory Therapy Procedures II **Credits: 2**
- REST 104 - Respiratory Therapy Procedures IV **Credits: 4**
- REST 122 - Respiratory Physiology II **Credits: 1**
- REST 126 - Respiratory Care II **Credits: 1**
- REST 292 - Clinical Practice of Respiratory Therapy Procedures II And IV **Credits: 1**

Summer Session (11 hours)

- PHYS 101 - Introduction to the Physical Sciences **Credits: 3**
- ENG 101 - Rhetoric and Composition I: Literacy and the Self **Credits: 3**
- REST 205 - Respiratory Therapy Procedures V **Credits: 1**
- REST 206 - Respiratory Therapy Procedures VI **Credits: 3**
- REST 293 - Clinical Practice of Respiratory Therapy Procedures V And VI **Credits: 1**

Second Year

Fall Semester (14 hours)

- MATH 108 - Survey of Mathematics **Credits: 4 or**
- MATH 111 - College Algebra **Credits: 4**
- NUTR 376 - Principles and Applications in Nutrition **Credits: 3**
- REST 214 - Pulmonary Diseases I **Credits: 3**
- REST 230 - Ethics and Administration **Credits: 1**
- REST 294 - Clinical Practice of Respiratory Therapy I **Credits: 3**

Spring Semester (13 hours)

- BIOL 272 - Medical Microbiology **Credits: 3**
- REST 222 - Respiratory Pathophysiology II **Credits: 1**
- REST 224 - Pulmonary Diseases II **Credits: 1**
- REST 261 - Clinical Applications Of Respiratory Therapy I **Credits: 3**
- REST 262 - Clinical Applications of Respiratory Therapy II **Credits: 2**
- REST 263 - Clinical Applications of Respiratory Therapy III **Credits: 2**
- REST 295 - Clinical Practice of Respiratory Therapy II **Credits: 1**

Summer Session (3 Hours)

- REST 391 - Clinical Practice of Respiratory Therapy III **Credits: 3**

Note(s):

REST 205, REST 206, REST 293, REST 391 are 10-week clinical courses.

Pott College of Science, Engineering and Education

www.usi.edu/science

Scott A. Gordon, Ph.D., Dean

Mark Krahlung, Ph.D., Associate Dean

Bonnie Beach, Ph.D., Associate Dean

Glenna G. Bower, Ph.D., Assistant Dean

Glenna G. Bower, Ph.D., Chair, Department of Kinesiology and Sport

William S. Elliott, Jr., Ph.D., Chair, Department of Geology and Physics

Brent Summers, Ph.D., Chair, Department of Biology

Zane Mitchell, Ph.D.; Chair, Department of Engineering

Bonnie Beach, Ph.D., Chair, Department of Teacher Education

Kathy V. Rodgers, Ph.D., Chair, Department of Mathematics

Jeff Seyler, Ph.D., Chair, Department of Chemistry

The Pott College of Science, Engineering, and Education consists of seven academic departments: biology, chemistry, engineering, geology and physics, kinesiology and sport, mathematics, and teacher education. Through its departments, the college offers coursework leading to baccalaureate degrees with majors in the following areas: advanced manufacturing, biology, biochemistry, biophysics, chemistry, early childhood education, elementary education, engineering, exercise science, geology, industrial supervision, kinesiology, mathematics, mathematics teaching, physical education teaching, science teaching, special

education, and sport management. Minor programs are available in most areas listed as majors and in other science-related areas, as noted elsewhere in this bulletin. The college also offers an Associate of Science degree program in Early Childhood Education, and Master of Science in Education program with concentrations in several areas including school administration and some content areas. (See the graduate bulletin for more information). All students majoring in college programs are assigned faculty advisors who assist with individual planning of each student's course of study.

Students who aspire to professional careers requiring additional training beyond the bachelor's degree usually major in biology, biochemistry, or chemistry, though other majors are possible. Pre-professional curricula (which are not themselves majors) are available in the following areas:

Pre-Chiropractic	Pre-Physical Therapy
Pre-Dentistry	Pre-Pharmacy
Pre-Ecology	Pre-Physician Assistant
Pre-Forestry	Pre-Podiatry
Pre-Medical Technology	Pre-Veterinary
Pre-Medicine	Pre-Wildlife Biology
Pre-Optometry	Pre-Zoology
Pre-Osteopathy	

In addition to course work for its majors and minors, the Pott College of Science, Engineering, and Education offers many courses in science and mathematics that students in all majors take to fulfill requirements of Core 39, as explained elsewhere. In keeping with its philosophy that students learn best by doing, the college offers many courses as laboratory-intensive or field-based experiences.

Biology

The biology curriculum is based on the premise that a biologist, regardless of professional goals, must demonstrate a high degree of competence in several areas of biology. These areas include botany, cellular biology, ecology, evolution, genetics, physiology, and zoology. In order to achieve maximum benefits from these areas, a thorough knowledge of chemistry, physics, and mathematics is imperative.

Whether a student plans to complete a liberal arts degree and enter graduate school, teach, attend a professional school, or otherwise pursue a career in biology, the same basic biology curriculum is followed. All biology majors complete a common group of eight courses. Through proper selection of elective coursework students can choose to study cellular and molecular biology, ecology, evolution, microbiology, plant biology, or zoology in greater depth.

Biology Major, B.A./B.S.

Curricula

The biology program offers one general curriculum for the Bachelor of Science or the Bachelor of Arts degree. Candidates for either degree must successfully complete the University requirements of a minimum of 120 hours of credit, including Core 39 and requirements of the biology major. The Bachelor of Arts degree in biology is granted upon completion of 12 hours of a single foreign language, in addition to the requirements for the Bachelor of Science degree. A minor is not required for either the Bachelor of Arts or Bachelor of Science degree in biology.

Biology Major Required Supporting Courses

- CHEM 261 - General Chemistry I **Credits: 4 and**
- CHEM 262 - General Chemistry II **Credits: 4**

- CHEM 353 - Organic Chemistry I **Credits: 4 and**
- CHEM 354 - Organic Chemistry II **Credits: 4**
or
- CHEM 241 - Organic/Biochemistry Principles **Credits: 4 and**
- CHEM 321 - Quantitative Analysis **Credits: 4**

- MATH 230 - Calculus I **Credits: 4 or**
- MATH 241 - Principles of Statistics **Credits: 3**

- PHYS 175 - General Physics I **Credits: 4 and**
- PHYS 175L - General Physics I Laboratory **Credits: 0 and**
- PHYS 176 - General Physics II **Credits: 4 and**
- PHYS 176L - General Physics II Laboratory **Credits: 0**
or
- PHYS 205 - Intermediate Physics I **Credits: 5 and**
- PHYS 205L - Intermediate Physics I Laboratory **Credits: 0 and**
- PHYS 206 - Intermediate Physics II **Credits: 5 and**
- PHYS 206L - Intermediate Physics II Laboratory **Credits: 0**

Biology Major (45 hours)

Required Courses (27 hours)

- BIOL 141 - Principles of Biology **Credits: 4**
- BIOL 151 - Botany **Credits: 3**
- BIOL 152 - Zoology **Credits: 3**
- BIOL 215 - Ecology **Credits: 3**

- BIOL 333 - Animal Physiology **Credits: 4 or**
- BIOL 336 - Plant Physiology **Credits: 4**

- BIOL 334 - Cell Biology **Credits: 3**
- BIOL 382 - Genetics **Credits: 4**
- BIOL 481 - Organic Evolution **Credits: 3**

Electives (18 hours)

18 hours selected from the offerings in biology as directed by advisor.

- At least 12 hours must be 300-400 level.
- Courses designated as non-major and courses that state biology majors may not enroll or earn credit will not count as electives towards the biology major.
- Biology transfer electives must be approved by the department chair.
- No more than four hours of BIOL 460, BIOL 470, and BIOL 499 (any combination) can apply toward the electives.

Biology Teaching (optional)

Students who wish to become teachers at the secondary school level can declare biology as their major and:

1. complete six additional hours (shown here)
2. complete the secondary education licensure minor
 - GEOL 108 - Earth-Space Science for Educators **Credits: 2**
 - BIOL 490 - Undergraduate Teaching **Credits: 1** (must take twice for a total of 2 credits)
 - EDUC 396 - Teaching Science in Grades 5-12 **Credits: 3**

Secondary Education Licensure minor

Students seeking a teaching major that leads to licensure as a secondary school teacher (grades 5-12) are required to complete the Secondary Education Licensure Minor.

Biology Minor

Required Courses (25 hours)

- BIOL 141 - Principles of Biology **Credits: 4**
- BIOL 151 - Botany **Credits: 3**
- BIOL 152 - Zoology **Credits: 3**
- BIOL 215 - Ecology **Credits: 3**

Elective Courses

Select 12 hours of biology courses numbered 200 and above, as directed by advisor. Transfer biology electives must be approved by department chair.

Environmental Biology Minor

Required Courses (25 hours)

- BIOL 141 - Principles of Biology **Credits: 4**
- BIOL 151 - Botany **Credits: 3**
- BIOL 152 - Zoology **Credits: 3**
- BIOL 215 - Ecology **Credits: 3**

Elective Courses

12 hours as directed by advisor, selected from the following:

- BIOL 221 - Introduction to Entomology **Credits: 4**
- BIOL 251 - Environmental Conservation **Credits: 3**

- BIOL 305 - Aquatic Biology **Credits: 4**
- BIOL 306 - Ichthyology **Credits: 4**
- BIOL 308 - Vertebrate Biology **Credits: 4**
- BIOL 321 - Invertebrate Zoology **Credits: 4**
- BIOL 341 - Mycology **Credits: 4**
- BIOL 361 - Plant Systematics **Credits: 4**
- BIOL 371 - Tropical Biology **Credits: 3**
- BIOL 459 - Advanced Ecology **Credits: 4**
- CHEM 341 - Environmental Chemistry **Credits: 3**
- CHEM 421 - Instrumental Analysis **Credits: 4**
- GEOG 214 - Meteorology **Credits: 3**

Medical Technology

The medical technology curriculum consists of three years (approximately 100 hours) of pre-professional courses at the University plus, upon competitive acceptance, one year (12 months) of professional course work and clinical experience in an accredited medical technology program. Upon acceptance into and successful completion of the professional year, the University confers a baccalaureate degree and the student is eligible to take the national American Society of Clinical Pathology (ASCP) board exam. A student choosing not to apply to the professional program or who is not admitted to the program may complete a biology major for the baccalaureate degree. The University has an affiliation with Good Samaritan Hospital, Vincennes, Indiana, and Owensboro Mercy Health System, Owensboro, Kentucky.

Students who have completed a baccalaureate degree and premedical technology prerequisites can apply to any accredited medical technology program in the country. There are approximately five in Indiana.

Pre-Professional Required Courses

- BIOL 141 - Principles of Biology **Credits: 4**
- BIOL 151 - Botany **Credits: 3**
- BIOL 152 - Zoology **Credits: 3**
- BIOL 215 - Ecology **Credits: 3**
- BIOL 333 - Animal Physiology **Credits: 4**
- BIOL 334 - Cell Biology **Credits: 3**
- BIOL 375 - Microbiology **Credits: 3**
- BIOL 376 - Laboratory in Microbiology **Credits: 2**
- BIOL 382 - Genetics **Credits: 4**
- BIOL 422 - Immunology **Credits: 3**
- BIOL 481 - Organic Evolution **Credits: 3**

- CHEM 261 - General Chemistry I **Credits: 4 and**
- CHEM 262 - General Chemistry II **Credits: 4**

- CHEM 353 - Organic Chemistry I **Credits: 4 and**
- CHEM 354 - Organic Chemistry II **Credits: 4**
- **or**
- CHEM 241 - Organic/Biochemistry Principles **Credits: 4 and**
- CHEM 321 - Quantitative Analysis **Credits: 4**

- MATH 230 - Calculus I **Credits: 4 or**

- MATH 241 - Principles of Statistics **Credits: 3**
- PHYS 175 - General Physics I **Credits: 4**
- PHYS 176 - General Physics II **Credits: 4**
- PSY 201 - Introduction to Psychology **Credits: 3**

Additional Requirements

Plus approximately 32 hours of accredited medical technology courses. Students must complete Core 39 requirements for graduation.

Recommended Courses

- BIOL 335 - Mechanisms of Pathophysiology **Credits: 3**
- BIOL 431 - General Endocrinology **Credits: 3 or**
- BIOL 434 - Macromolecules and Metabolism **Credits: 4**
- CIS 151 - Computer Applications in Business **Credits: 3**

Elective Courses

Sufficient courses to meet requirements for graduation.

Chemistry and Biochemistry

The Department of Chemistry provides degree programs in biochemistry and chemistry. Both programs offer an American Chemical Society (ACS)-approved major for students interested in graduate programs or seeking employment in industry or other areas requiring a strong background in chemistry. The non-ACS approved chemistry degree allows flexibility for students interested in other areas while still providing a good background in chemistry. The non-ACS degree in biochemistry is well suited for students interested in medical, dental, pharmacy, or other professional schools. Coupled with a minor in secondary education, and several additional courses, the chemistry or biochemistry major fulfills requirements for certification as secondary school teachers in the state of Indiana. Lastly, the chemistry program provides courses that serve other degree programs at USI (including, but not limited to biology, engineering, geology, and nursing) and offers courses that meet the Core 39 requirements in natural science.

Biochemistry Major (ACS Approved), B.A./B.S.

74 hours

ACS Approved Option (56 hours)

Required Chemistry Courses (45 hours)

- CHEM 218 - Chemistry Seminar I **Credits: 1**
- CHEM 318 - Chemistry Seminar II **Credits: 1**

- CHEM 418 - Chemistry Seminar III **Credits: 1**
- CHEM 261 - General Chemistry I **Credits: 4**
- CHEM 262 - General Chemistry II **Credits: 4**
- CHEM 321 - Quantitative Analysis **Credits: 4**
- CHEM 353 - Organic Chemistry I **Credits: 4**
- CHEM 354 - Organic Chemistry II **Credits: 4**
- CHEM 421 - Instrumental Analysis **Credits: 4**
- CHEM 431 - Biochemistry I **Credits: 4**
- CHEM 432 - Biochemistry II **Credits: 4**
- CHEM 441 - Inorganic Chemistry **Credits: 4**
- CHEM 461 - Physical Chemistry I **Credits: 4**

Select 2 hours from:

- CHEM 499 - Introduction to Research **Credits: 1-2 and/or**
- BIOL 499 - Independent Research **Credits: 1-3**

Required Biology Courses (11 hours)

- BIOL 141 - Principles of Biology **Credits: 4**
- BIOL 334 - Cell Biology **Credits: 3**
- BIOL 382 - Genetics **Credits: 4**

Note(s):

Additional electives in chemistry and biology are recommended.

Biochemistry Prerequisite Courses (18 hours):

- MATH 230 - Calculus I **Credits: 4**
- MATH 235 - Calculus II **Credits: 4**
- PHYS 205 - Intermediate Physics I **Credits: 5 and**
- PHYS 205L - Intermediate Physics I Laboratory **Credits: 0**
- PHYS 206 - Intermediate Physics II **Credits: 5 and**
- PHYS 206L - Intermediate Physics II Laboratory **Credits: 0**

Biochemistry Major (Non-ACS Approved), B.A./B.S.

76-80 hours

Non-ACS Approved Option (64-66 hours)

Required Chemistry Courses (41 hours)

- CHEM 218 - Chemistry Seminar I **Credits: 1**
- CHEM 318 - Chemistry Seminar II **Credits: 1**
- CHEM 418 - Chemistry Seminar III **Credits: 1**

- CHEM 261 - General Chemistry I **Credits: 4**
- CHEM 262 - General Chemistry II **Credits: 4**
- CHEM 321 - Quantitative Analysis **Credits: 4**
- CHEM 353 - Organic Chemistry I **Credits: 4**
- CHEM 354 - Organic Chemistry II **Credits: 4**
- CHEM 361 - Survey of Physical Chemistry **Credits: 4**
- CHEM 421 - Instrumental Analysis **Credits: 4**
- CHEM 431 - Biochemistry I **Credits: 4**
- CHEM 432 - Biochemistry II **Credits: 4**

Select 2 hours from:

- CHEM 499 - Introduction to Research **Credits: 1-2 and/or**
- BIOL 499 - Independent Research **Credits: 1-3**

Required Biology Courses (17 hours)

- BIOL 141 - Principles of Biology **Credits: 4**
- BIOL 151 - Botany **Credits: 3**
- BIOL 152 - Zoology **Credits: 3**
- BIOL 334 - Cell Biology **Credits: 3**
- BIOL 382 - Genetics **Credits: 4**

Two Courses (6-8 hours) from:

- BIOL 333 - Animal Physiology **Credits: 4**
- BIOL 336 - Plant Physiology **Credits: 4**

- BIOL 375 - Microbiology **Credits: 3 and**
- BIOL 376 - Laboratory in Microbiology **Credits: 2** (375 & 376 count as one course)

- BIOL 378 - Virology **Credits: 3**
- BIOL 422 - Immunology **Credits: 3**
- BIOL 436 - Molecular Biology Techniques **Credits: 4**
- BIOL 461 - Developmental Biology **Credits: 4**
- BIOL 465 - Plant Growth and Development **Credits: 4**
- BIOL 482 - Molecular Biology **Credits: 3**

Note(s):

Each student will complete the requirements for the major by taking courses which will best benefit individual needs as determined by counsel with an advisor.

Biochemistry Prerequisite Courses (12-14 hours)

- MATH 230 - Calculus I **Credits: 4**
- PHYS 175 - General Physics I **Credits: 4 and**
- PHYS 175L - General Physics I Laboratory **Credits: 0**
or
- PHYS 205 - Intermediate Physics I **Credits: 5 and**
- PHYS 205L - Intermediate Physics I Laboratory **Credits: 0**
- PHYS 176 - General Physics II **Credits: 4 and**
- PHYS 176L - General Physics II Laboratory **Credits: 0**
or
- PHYS 206 - Intermediate Physics II **Credits: 5 and**
- PHYS 206L - Intermediate Physics II Laboratory **Credits: 0**

Chemistry Major (ACS Approved), B.A./B.S.

70 hours

ACS-Approved Curricula

In addition to Core 39, students are encouraged to demonstrate competency in a modern or classical language, through the second-year. The following curriculum comprises a four-year pattern.

Chemistry Major Required Courses (37 hours)

- CHEM 218 - Chemistry Seminar I **Credits: 1**
- CHEM 318 - Chemistry Seminar II **Credits: 1**
- CHEM 418 - Chemistry Seminar III **Credits: 1**
- CHEM 261 - General Chemistry I **Credits: 4**
- CHEM 262 - General Chemistry II **Credits: 4**
- CHEM 321 - Quantitative Analysis **Credits: 4**
- CHEM 353 - Organic Chemistry I **Credits: 4**
- CHEM 354 - Organic Chemistry II **Credits: 4**
- CHEM 421 - Instrumental Analysis **Credits: 4**
- CHEM 441 - Inorganic Chemistry **Credits: 4**
- CHEM 461 - Physical Chemistry I **Credits: 4**
- CHEM 499 - Introduction to Research **Credits: 1-2** (requires 2 credits)

ACS Approved Degree, Required Courses (15 hours)

- CHEM 431 - Biochemistry I **Credits: 4**
- CHEM 462 - Physical Chemistry II **Credits: 4**
- BIOL 141 - Principles of Biology **Credits: 4**
- BIOL 334 - Cell Biology **Credits: 3**

Note(s):

Additional electives in chemistry are recommended. Each student will complete the requirements for the major by taking courses which will best benefit individual needs as determined by counsel with an advisor.

Chemistry Major Prerequisite Courses (18 hours)

- MATH 230 - Calculus I **Credits: 4**
- MATH 235 - Calculus II **Credits: 4**

- PHYS 205 - Intermediate Physics I **Credits: 5 and**
- PHYS 205L - Intermediate Physics I Laboratory **Credits: 0**

- PHYS 206 - Intermediate Physics II **Credits: 5 and**
- PHYS 206L - Intermediate Physics II Laboratory **Credits: 0**

Chemistry Major (Non-ACS Approved), B.A./B.S.

58-59 hours

Non-ACS Approved Curricula

In addition to the Core 39, students are encouraged to demonstrate competency in a modern or classical language, through the second-year. The following curriculum comprises a four-year pattern.

Chemistry Major Required Courses (37 hours)

- CHEM 218 - Chemistry Seminar I **Credits: 1**
- CHEM 318 - Chemistry Seminar II **Credits: 1**
- CHEM 418 - Chemistry Seminar III **Credits: 1**

- CHEM 261 - General Chemistry I **Credits: 4**
- CHEM 262 - General Chemistry II **Credits: 4**
- CHEM 321 - Quantitative Analysis **Credits: 4**
- CHEM 353 - Organic Chemistry I **Credits: 4**
- CHEM 354 - Organic Chemistry II **Credits: 4**
- CHEM 421 - Instrumental Analysis **Credits: 4**
- CHEM 441 - Inorganic Chemistry **Credits: 4**
- CHEM 461 - Physical Chemistry I **Credits: 4**
- CHEM 499 - Introduction to Research **Credits: 1-2** (requires 2 credits)

Non-ACS Approved Degree, Required Courses (3-4 hours)

One Course From:

- CHEM 341 - Environmental Chemistry **Credits: 3**
- CHEM 351 - Polymer Chemistry **Credits: 3**
- CHEM 431 - Biochemistry I **Credits: 4**
- CHEM 453 - Advanced Organic Chemistry **Credits: 3**
- CHEM 462 - Physical Chemistry II **Credits: 4**

Chemistry Major Prerequisite Courses (18 hours)

- MATH 230 - Calculus I **Credits: 4**
- MATH 235 - Calculus II **Credits: 4**

- PHYS 205 - Intermediate Physics I **Credits: 5 and**
- PHYS 205L - Intermediate Physics I Laboratory **Credits: 0**

- PHYS 206 - Intermediate Physics II **Credits: 5 and**
- PHYS 206L - Intermediate Physics II Laboratory **Credits: 0**

Other prerequisite courses if electives include CHEM 431

- BIOL 141 - Principles of Biology **Credits: 4**
- BIOL 334 - Cell Biology **Credits: 3**

Chemistry Teaching (optional)

Students who wish to become teachers at the secondary school level can declare biochemistry or chemistry as their major and:

- complete six-eight additional hours (shown below)
- complete the secondary education licensure minor
- GEOL 108 - Earth-Space Science for Educators **Credits: 2**
- BIOL 108 - Biology for Educators **Credits: 2**
- EDUC 396 - Teaching Science in Grades 5-12 **Credits: 3**
- CHEM 490 - Undergraduate Teaching Experience in Chemistry **Credits: 1-3**

Secondary Education Licensure minor

Students seeking a teaching major that leads to licensure as a secondary school teacher (grades 5-12) are required to complete the Secondary Education Licensure Minor.

Biochemistry Minor

39 hours

If completing the Biochemistry minor in combination with a major in Chemistry, Biology, or Biophysics: of the courses required for the minor, 10 hours cannot be applied toward the major.

Required Chemistry Courses (28 hours)

- CHEM 261 - General Chemistry I **Credits: 4**
- CHEM 262 - General Chemistry II **Credits: 4**
- CHEM 321 - Quantitative Analysis **Credits: 4**
- CHEM 353 - Organic Chemistry I **Credits: 4**
- CHEM 354 - Organic Chemistry II **Credits: 4**
- CHEM 431 - Biochemistry I **Credits: 4**
- CHEM 432 - Biochemistry II **Credits: 4**

Required Biology Courses (11 hours)

- BIOL 141 - Principles of Biology **Credits: 4**
- BIOL 334 - Cell Biology **Credits: 3**
- BIOL 382 - Genetics **Credits: 4**

Chemistry Minor

27-28 hours

If completing the Chemistry minor in combination with a major in Biology or Biophysics: of the courses required for the minor, 10 hours cannot be applied toward the major.

Required Courses (24 hours)

- CHEM 261 - General Chemistry I **Credits: 4**
- CHEM 262 - General Chemistry II **Credits: 4**
- CHEM 321 - Quantitative Analysis **Credits: 4**
- CHEM 353 - Organic Chemistry I **Credits: 4**
- CHEM 354 - Organic Chemistry II **Credits: 4**
- CHEM 421 - Instrumental Analysis **Credits: 4**

Electives (3-4 hours)

Selected electives from chemistry offerings, as directed by advisor, to bring total hours to 27–28 hours.

Other prerequisite courses if electives include CHEM 431

- BIOL 141 - Principles of Biology **Credits: 4**
- BIOL 334 - Cell Biology **Credits: 3**

Engineering

The Bachelor of Science in Engineering degree is a practical, flexible engineering program which requires a solid foundation in mathematics, physics, chemistry, and liberal studies as well as the engineering science core. A total of 127 semester hours are required in the four-year Bachelor of Science in Engineering program. Eighteen hours of mathematics through differential equations and including engineering statistics, fourteen hours of chemistry and physics, and a 3-4 hour math/basic science elective are required. All engineering students must also complete the University Core requirements. The engineering degree program is accredited by the Engineering Accreditation Commission of ABET (EAC/ABET).

An engineering student can reasonably complete the program in four years provided they enter USI prepared for MATH 230 (Calculus I) in their first semester. Those students who do not enter the program ready for MATH 230 will take an additional three to fifteen hours of mathematics courses necessary to raise their mathematical abilities to a required level, zero to six hours of additional engineering courses designed to improve their problem-solving skills, and zero to six hours of preparatory science courses to improve their abilities to succeed in higher level science courses.

Cooperative education opportunities are available to students enrolled in engineering. The co-op experience is designed to assist the student in developing an understanding of human relationships and in learning to work with others as a member of an engineering team. Individual growth is enhanced by the realization that, in addition to demonstrating theoretical knowledge, one also is learning to become an integral part of the working interrelationship between the academic and professional worlds. On the job and at the University, the co-op student obtains first-hand knowledge of professional practices, expectancies, and opportunities. At the same time, the student is offered a realistic test of career interest and aptitude. Participation in this program enables the student to make a more intelligent selection of a position after graduation.

In accordance with the University's transfer policy (found in the undergraduate admission requirements and regulations section), the faculty of the engineering department examine on a case-by-case basis the transcripts of students transferring from other institutions. Failure to achieve a grade of C or better in a required engineering course at another institution will necessitate repeating the course. A minimum GPA of 2.0 is required for all ENGR courses that a student takes as part of their program of study. All Engineering majors are required to take the nationally administered Fundamentals of Engineering examination during their final semester.

Petition for permission to waive any program requirements must be approved by the chair of the engineering department. After admission into the engineering program, required engineering courses may be taken at another institution for transfer of credit only when approved in advance by both the student's advisor and the department chair.

Advanced Manufacturing Major, B.S.

The Bachelor of Science in Advanced Manufacturing is a practical degree program designed to prepare graduates for challenging careers in the high-tech arena of manufacturing. The program requires a solid foundation in mathematics, physics, chemistry, and liberal studies as well as the technical core. A total of 120 semester hours are required in this degree program. Eleven hours of mathematics including manufacturing statistics and survey of calculus, and twelve hours of chemistry and physics are required. All Advanced Manufacturing students must also complete the Core 39 requirements.

An Advanced Manufacturing student can reasonably complete the program in four years provided they enter USI prepared for MATH 118 (Comprehensive Pre-Calculus) in their first semester. Those students who do not enter the program ready for MATH 118 will take an additional four to ten hours of mathematics courses necessary to raise their mathematical abilities to a required level.

In accordance with the University's transfer policy (found in the undergraduate admission requirements and regulations section), the faculty of the engineering department examine on a case-by-case basis the transcripts of students transferring from other institutions. A minimum GPA of 2.0 is required for all TECH and engineering courses that a student takes as part of their program of study.

Petition for permission to waive any program requirements must be approved by the chair of the engineering department. After admission into the program, required technical courses may be taken at another institution for transfer of credit only when approved in advance by both the student's advisor and the department chair.

Core 39

The core curriculum at USI, Core 39, offers students at our institution an outstanding opportunity to have a well-rounded education. Some of the choices within Core 39 are limited for engineering majors in order to fulfill program needs. Courses within Core 39 that are required for Advanced Manufacturing majors:

- First Year Experience Course for Foundations **Credits: 1**
- CMST 101 - Introduction to Public Speaking **Credits: 3** for Communication in Foundations

- MATH 215 - Survey of Calculus **Credits: 3 or**
- MATH 230 - Calculus I **Credits: 4** for Mathematics in Foundations

- ECON 208 - Principles of Microeconomics **Credits: 3** for Social Inquiry in Ways of Knowing
- PHIL 201 - Introduction to Ethics **Credits: 3** for Moral and Ethical Reasoning in Ways of Knowing
- IME 331 - Introduction to Statistical Quality Control **Credits: 3** for Scientific and Mathematical Inquiry in Ways of Knowing

- PHYS 175 - General Physics I **Credits: 4 and**
- PHYS 175L - General Physics I Laboratory **Credits: 0**

- CHEM 175 - Survey of Chemical Concepts **Credits: 4** for Natural Science with Lab in Bachelor of Science

Students will have the option of selecting from available courses for one additional Ways of Knowing course, one World Language and Culture course in Bachelor of Science, and one Social Science course in Bachelor of Science.

Students must ensure that they fulfill their global embedded experience with one of these three choices. Students are highly encouraged to take courses in United States History, Literature, and Foreign Language to fulfill their Core 39 choices. A total of 40 hours are earned in Core 39 due to the additional semester hour of CHEM 175.

First Year

Fall Semester (16 hours)

- ENG 101 - Rhetoric and Composition I: Literacy and the Self **Credits: 3**
- TECH 103 - Materials & Manufacturing Processes **Credits: 3**
- MATH 118 - Comprehensive Pre-Calculus **Credits: 5**
- KIN 192 - Concepts in Wellness and Fitness **Credits: 1**
- ENGR 103 - Principles of Problem Solving **Credits: 3**
- ENGR 101 - Engineering Orientation **Credits: 1**

Spring Semester (16 hours)

- CMST 101 - Introduction to Public Speaking **Credits: 3**

- PHYS 175 - General Physics I **Credits: 4** and PHYS 175L - General Physics I Laboratory **Credits: 0**
or
- PHYS 205 - Intermediate Physics I **Credits: 5** and PHYS 205L - Intermediate Physics I Laboratory **Credits: 0**

- MATH 215 - Survey of Calculus **Credits: 3** or MATH 230 - Calculus I **Credits: 4**
- TECH 121 - CAD Fundamentals **Credits: 3**
- ENGR 104 - Applied Problem Solving **Credits: 3**

Second Year

Fall Semester (15 hours)

- PHYS 176 - General Physics II **Credits: 4** and PHYS 176L - General Physics II Laboratory Credits: **0**
or
- PHYS 206 - Intermediate Physics II **Credits: 5** and PHYS 206L - Intermediate Physics II Laboratory Credits: **0**
- TECH 213 - Mechanics for Technology **Credits: 3**
- TECH 261 - Fundamentals of Instrumentation **Credits: 2**
- TECH 275 - Statistics and Safety in Manufacturing **Credits: 3**
- ENG 201 - Rhetoric and Composition II: Literacy and the World **Credits: 3**

Spring Semester (16 hours)

- BCOM 231 - Business Communication **Credits: 3**
- CHEM 175 - Survey of Chemical Concepts **Credits: 4** or CHEM 261 - General Chemistry I
- TECH 272 - Robotics **Credits: 3**
- TECH 315 - Strength of Materials **Credits: 3**
- ECON 208 - Principles of Microeconomics **Credits: 3**

Third Year

Fall Semester (15 hours)

- ENGR 382 - SCADA Systems Design **Credits: 3**
 - TECH 351 - Thermodynamics and Heat Transfer **Credits: 3**
 - TECH/IME Elective* Credits: 3
 - TECH 362 - Manufacturing **Credits: 3**
 - IME 331 - Introduction to Statistical Quality Control **Credits: 3**
- *TECH/IME elective can be any upper division TECH or IME course

Spring Semester (15 hours)

- ENGR 335 - Engineering Economics **Credits: 3**
- TECH 343 - Servo and Non-Servo Hydraulics **Credits: 3**
- TECH 367 - Advanced Manufacturing **Credits: 3**
- ECON 209 - Principles of Macroeconomics **Credits: 3**
- PHIL 201 - Introduction to Ethics **Credits: 3**

Fourth Year

Fall Semester (15 hours)

- ENGR 482 - Engineering Organization and Management **Credits: 3**

- TECH 401 - Work Cell and Production Systems Design **Credits: 3**
 - TECH/IME Elective * Credits:3
 - World Languages and Culture (Bachelor of Science) Elective Credits:3
 - Ways of Knowing Elective Credits: 3
- *TECH/IME elective can be any upper division TECH or IME course

Spring Semester (12 hours)

- TECH 471 - Senior Project **Credits: 3**
 - TECH 411 - Materials **Credits: 3**
 - Social Science (Bachelor of Science) Elective Credits: 3
 - TECH/IME/Business Elective* Credits: 3
- *TECH/IME/Business Elective can be any 200 level or higher TECH, IME, or Business course

Industrial Supervision Major, B.S.

The Bachelor of Science degree in Industrial Supervision is a practical degree program designed to prepare graduates for challenging careers in manufacturing with a curriculum that includes both technical and business courses. The program requires a solid foundation in mathematics, physics, chemistry, and liberal studies as well as the technical/business core. A total of 120 semester hours are required in this degree program. Eleven hours of mathematics including manufacturing statistics and survey of calculus, and twelve hours of chemistry and physics are required. All Industrial Supervision students must also complete the University Core requirements.

An Industrial Supervision student can reasonably complete the program in four years provided they enter USI prepared for MATH 118 (Comprehensive Pre-Calculus) in their first semester. Those students who do not enter the program ready for MATH 118 will take an additional four to ten hours of mathematics courses necessary to raise their mathematical abilities to a required level.

In accordance with the University's transfer policy (found in the undergraduate admission requirements and regulations section), the faculty of the engineering department examine on a case-by-case basis the transcripts of students transferring from other institutions. A minimum GPA of 2.0 is required for all TECH and engineering courses that a student takes as part of their program of study.

Petition for permission to waive any program requirements must be approved by the chair of the engineering department. After admission into the program, required technical courses may be taken at another institution for transfer of credit only when approved in advance by both the student's advisor and the department chair.

Core 39

The core curriculum at USI, Core 39, offers students at our institution an outstanding opportunity to have a well-rounded education. Some of the choices within Core 39 are limited for engineering majors in order to fulfill program needs. Courses within Core 39 that are required for Industrial Supervision majors:

- First Year Experience Course for Foundations **Credits: 1**
- CMST 101 - Introduction to Public Speaking **Credits: 3** for Communication in Foundations
- MATH 215 - Survey of Calculus **Credits: 3** for Mathematics in Foundations
- ECON 208 - Principles of Microeconomics **Credits: 3** for Social Inquiry in Ways of Knowing
- ECON 209 - Principles of Macroeconomics **Credits: 3**
- PSY 201 - Introduction to Psychology **Credits: 3** for Social Science in Bachelor of Science
- PHIL 201 - Introduction to Ethics **Credits: 3** for Moral and Ethical Reasoning in Ways of Knowing

- IME 331 - Introduction to Statistical Quality Control **Credits: 3** for Scientific and Mathematical Inquiry in Ways of Knowing
- PHYS 175 - General Physics I **Credits: 4** for Natural Science with Lab in Bachelor of Science
- CHEM 175 - Survey of Chemical Concepts **Credits: 4** for Natural Science in Bachelor of Science
Students will have the option of selecting from available courses for one additional Ways of Knowing course and one World Language and Culture course in Bachelor of Science. Students must ensure that they fulfill their global embedded experience with one of these two choices. Students are highly encouraged to take courses in United States History or Government, Literature, and Foreign Language to fulfill their Core 39 choices. A total of 40 hours are earned in Core 39 due to the additional semester hour for CHEM 175.

First Year

Fall Semester (16 hours)

- ENG 101 - Rhetoric and Composition I: Literacy and the Self **Credits: 3**
- TECH 103 - Materials & Manufacturing Processes **Credits: 3**
- MATH 118 - Comprehensive Pre-Calculus **Credits: 5**
- KIN 192 - Concepts in Wellness and Fitness **Credits: 1**
- ENGR 103 - Principles of Problem Solving **Credits: 3**
- First Year Experience Course **Credits: 1**

Spring Semester (16 hours)

- CMST 101 - Introduction to Public Speaking **Credits: 3**
- PHYS 175 - General Physics I **Credits: 4 or**
- PHYS 205 - Intermediate Physics I **Credits: 5**
- MATH 215 - Survey of Calculus **Credits: 3 or**
- MATH 230 - Calculus I **Credits: 4**
- TECH 121 - CAD Fundamentals **Credits: 3**
- ENGR 104 - Applied Problem Solving **Credits: 3**

Second Year

Fall Semester (15 hours)

- PHYS 176 - General Physics II **Credits: 4 or**
- PHYS 206 - Intermediate Physics II **Credits: 5**
- ACCT 201 - Accounting Principles I **Credits: 3**
- TECH 261 - Fundamentals of Instrumentation **Credits: 2**
- TECH 275 - Statistics and Safety in Manufacturing **Credits: 3**
- ENG 201 - Rhetoric and Composition II: Literacy and the World **Credits: 3**

Spring Semester (16 hours)

- BCOM 231 - Business Communication **Credits: 3**
- CHEM 175 - Survey of Chemical Concepts **Credits: 4 or**
- CHEM 261 - General Chemistry I **Credits: 4**
- TECH 272 - Robotics **Credits: 3**
- ACCT 202 - Accounting Principles II **Credits: 3**
- ECON 208 - Principles of Microeconomics **Credits: 3**

Third Year

Fall Semester (15 hours)

- ENGR 382 - SCADA Systems Design **Credits: 3**
- TECH 351 - Thermodynamics and Heat Transfer **Credits: 3**
- PSY 201 - Introduction to Psychology **Credits: 3**
- TECH 362 - Manufacturing **Credits: 3**
- IME 331 - Introduction to Statistical Quality Control **Credits: 3**

Spring Semester (15 hours)

- ENGR 335 - Engineering Economics **Credits: 3**
- TECH 343 - Servo and Non-Servo Hydraulics **Credits: 3**
- TECH 367 - Advanced Manufacturing **Credits: 3**
- ECON 209 - Principles of Macroeconomics **Credits: 3**
- PHIL 201 - Introduction to Ethics **Credits: 3**

Fourth Year

Fall Semester (15 hours)

- ENGR 482 - Engineering Organization and Management **Credits: 3**
- TECH 401 - Work Cell and Production Systems Design **Credits: 3**
- DSCI 445 - Operations Management **Credits: 3**
- MNGT 305 - Principles of Management **Credits: 3**
- Ways of Knowing Elective **Credit: 3**
*TECH/IME elective can be any upper division TECH or IME course

Spring Semester (12 hours)

- TECH 471 - Senior Project **Credits: 3**

- **TECH 411 - Materials Credits: 3**
- **TECH/IME Business Elective* Credits: 3**
- **World Languages and Culture (Bachelor of Science) Elective Credits: 3**
*TECH/IME Business elective can be any 200 level or higher TECH, IME, or Business course

Engineering Major, B.S.E.

The Bachelor of Science in Engineering degree is a practical, flexible engineering program which requires a solid foundation in mathematics, physics, chemistry, and communications as well as the engineering science core. A total of 127 hours are required in the four-year Bachelor of Science in Engineering program. Eighteen hours of mathematics through differential equations and including engineering statistics, fourteen hours of chemistry and physics, and a 3-4 hour math/basic science elective are required. All engineering students also must complete the University Core 39 requirement. The engineering degree program is accredited by the Engineering Accreditation Commission of ABET (EAC/ABET).

An engineering student can reasonably complete the program in four years provided they enter USI prepared for MATH 230 (Calculus I) in their first semester. Those students who do not enter the program ready for MATH 230 will take an additional three to fifteen hours of mathematics courses necessary to raise their mathematical abilities to a required level, zero to six hours of additional engineering courses designed to improve their problem-solving skills, and zero to six hours of preparatory science courses to improve their abilities to succeed in higher level science courses.

Cooperative education opportunities are available to students enrolled in engineering. The co-op experience is designed to assist the student in developing an understanding of human relationships and in learning to work with others as a member of an engineering team. Individual growth is enhanced by the realization that, in addition to demonstrating theoretical knowledge, one also is learning to become an integral part of the working interrelationship between the academic and professional worlds. On the job and at the University, the co-op student obtains first-hand knowledge of professional practices, expectancies, and opportunities. At the same time, the student is offered a realistic test of career interest and aptitude. Participation in this program enables the student to make a more intelligent selection of a position after graduation.

In accordance with the University's transfer policy (found in the undergraduate admission requirements and regulations section), the faculty of the engineering department examine on a case-by-case basis the transcripts of students transferring from other institutions. Failure to achieve a grade of C or better in a required engineering course at another institution will necessitate repeating the course. A minimum GPA of 2.0 is required for all ENGR course that a student takes as part of their program of study. All Engineering majors are required to take the nationally administered Fundamentals of Engineering examination during their final semester.

Petition for permission to waive any program requirements must be approved by the chair of the engineering department. After admission into the engineering program, required engineering courses may be taken at another institution for transfer of credit only when approved in advance by both the student's advisor and the department chair.

Core 39

The core curriculum at USI, Core 39, offers students at our institution an outstanding opportunity to have a well-rounded education. Some of the choices within Core 39 are limited for engineering in order to fulfill program needs. Courses within Core 39 that are required for engineering majors:

- **First Year Experience Course for Foundations Credits: 1**
- **CMST 101 - Introduction to Public Speaking Credits: 3** for Communication in Foundations
- **MATH 230 - Calculus I Credits: 4** for Mathematics in Foundations
- **ECON 208 - Principles of Microeconomics Credits: 3** for Social Inquiry in Ways of Knowing or ECON 209
- **PHIL 201 - Introduction to Ethics Credits: 3** for Moral and Ethical Reasoning in Ways of Knowing
- **ENGR 305 - Engineering Statistics Credits: 3** for Scientific and Mathematical Inquiry in Ways of Knowing
- **PHYS 205 - Intermediate Physics I Credits: 5** and **CHEM 261** as Natural Science in Bachelor of Science

Students will have the option of selecting from available courses for one additional Ways of Knowing course, one World Language and Culture course in Bachelor of Science, and one Social Science course in Bachelor of Science. Students must ensure that they fulfill their global embedded experience with one of these three choices. Students are highly encouraged to take courses in United States History or Government, Literature, and Foreign Language to fulfill their Core 39 choices. A total of 42 hours are earned in Core 39 due to the additional semester hour for MATH 230 and the additional two semester hours for PHYS 205.

The Engineering Core (Breadth)

The common engineering, math, and science credits for all engineering majors total 67 semester hours, 17 hours of which are also part of the University's Core 39. This common core of math, science, and engineering courses is structured to ensure that all USI engineering graduates have sufficient breadth of study in a wide range of engineering topics. All students majoring in engineering must satisfactorily complete the following required engineering courses for the Bachelor of Science in Engineering:

- ENGR 107 - Introduction to Engineering **Credits: 3**
- ENGR 108 - Introduction to Design **Credits: 3**
- ENGR 291 - Experimental Design and Technical Writing **Credits: 2**
- ME 225 - Thermodynamics **Credits: 3**
- ENGR 235 - Statics **Credits: 3**
- ECE 255 - Electric Circuits **Credits: 4**
- ENGR 275 - Dynamics **Credits: 3**
- ENGR 335 - Engineering Economics **Credits: 3**
- ENGR 355 - Strength of Materials **Credits: 4**
- ENGR 375 - Fluid Mechanics **Credits: 3**
- ENGR 491 - Senior Design **Credits: 3**

Math and Basic Science

The following Math and Basic Science courses must also be completed:

- MATH 230 - Calculus I **Credits: 4** (Part of Core 39)
- MATH 235 - Calculus II **Credits: 4**
- MATH 335 - Calculus III **Credits: 4**
- MATH 366 - Differential Equations **Credits: 3**
- ENGR 305 - Engineering Statistics **Credits: 3** (Part of Core 39)
- CHEM 261 - General Chemistry I **Credits: 4** (Part of Core 39)
- PHYS 205 - Intermediate Physics I **Credits: 5** (Part of Core 39)
- PHYS 206 - Intermediate Physics II **Credits: 5**

Engineering Electives

In addition to the engineering core, at least 35 hours of engineering technical electives are required. One elective will be a 3-4 credit hour math or basic science option chosen from the following list:

- BIOL 121 - Human Anatomy and Physiology I **Credits: 4**
- BIOL 141 - Principles of Biology **Credits: 4**
- BIOL 208 - Wildlife Biology **Credits: 3**
- CHEM 262 - General Chemistry II **Credits: 4**
- GEOL 161 - Introduction to Geology **Credits: 4**

- GEOL 341 - Hydrology **Credits: 4**
- GEOL 465 - Introduction to GIS **Credits: 3**
- GEOL 475 - Remote Sensing and Image Analysis **Credits: 3**
- MATH 331 - Mathematical Models with Applications **Credits: 3**
- MATH 362 - Linear Algebra **Credits: 3**
- MATH 426 - Point Set Topology **Credits: 3**
- MATH 434 - Advanced Differential Equations **Credits: 3**
- MATH 437 - Numerical Analysis **Credits: 3**
- MATH 438 - Theory of Probability **Credits: 3**
- MATH 475 - Regression and Time Series **Credits: 3**
- PHYS 361 - Modern Physics **Credits: 3**
- PHYS 371 - Analytical Mechanics **Credits: 3**

The remaining 31-32 hours of engineering electives will come from courses labeled as ENGR, CE, ECE, IME, or ME; exceptions may be approved by the department chair. ENGR 103, ENGR 104, and ENGR 202 cannot be counted toward elective requirements. A maximum of six credits towards the engineering technical elective requirement may be taken from ENGR 298, ENGR 299, ENGR 390, and ENGR 499. The majority of elective courses will come from a student's chosen emphasis area.

Depth

All engineering students must choose an emphasis area from the following:

- Civil
- Electrical and Computer
- Industrial and Manufacturing
- Mechanical
- Mechatronics.

Each emphasis area has a number of emphasis-required courses. Each emphasis area also has at least one design sequence. All students must complete all emphasis-required courses and at least one design sequence for at least one emphasis area in order to graduate with a degree in engineering from USI. The purpose of the emphasis areas is to ensure that students have sufficient depth of study to be well-prepared for engineering practice or an advanced degree program upon completion of their undergraduate degrees. Complementing their design sequence, students will complete the senior design course (ENGR 491) which incorporates design elements with other realistic constraints such as economic, environmental, safety, and ethical factors, as well as social impact. The emphasis-required courses and design sequences for each emphasis are listed below:

Civil

Emphasis-required courses

- CE 361 - Structural Analysis **Credits: 4**
- CE 381 - Soil Mechanics **Credits: 3**
- CE 451 - Water Resources and Hydrologic Design **Credits: 4**

Design sequences

(1)

- CE 361 - Structural Analysis **Credits: 4**

- CE 461 - Reinforced Concrete Design **Credits: 4**

(2)

- CE 361 - Structural Analysis **Credits: 4**
- CE 462 - Steel Design **Credits: 4**

(3)

- CE 381 - Soil Mechanics **Credits: 3**
- CE 481 - Geotechnical Engineering Design **Credits: 3**

(4)

- CE 441 - Environmental Engineering **Credits: 4**
- CE 451 - Water Resources and Hydrologic Design **Credits: 4**

Electrical and Computer

Emphasis-required courses

- ECE 241 - Digital Logic **Credits: 3**
- ECE 343 - Electronics **Credits: 3**
- ECE 345 - Advanced Electrical Circuits **Credits: 3**
- ECE 445 - Signals and Systems **Credits: 3**

Design sequences

(1)

- ECE 241 - Digital Logic **Credits: 3**
- ECE 347 - Microcomputer Engineering **Credits: 3**
- ECE 447 - Embedded Systems Design **Credits: 3**

(2)

- ECE 345 - Advanced Electrical Circuits **Credits: 3**
- ECE 349 - Electrical Machines **Credits: 3**
- ECE 449 - Electrical Power **Credits: 3**

(3)

- ECE 345 - Advanced Electrical Circuits **Credits: 3**
- ECE 443 - Linear Control Systems **Credits: 3**
- ECE 445 - Signals and Systems **Credits: 3**

Industrial and Manufacturing

Emphasis-required courses

- IME 311 - Operations Research **Credits: 3**
- IME 315 - Process Improvement **Credits: 3**
- IME 331 - Introduction to Statistical Quality Control **Credits: 3**
- IME 412 - Production and Inventory Control Systems **Credits: 3**
- IME 414 - Process and Facility Design **Credits: 3**

Design sequences

(1)

- IME 315 - Process Improvement **Credits: 3**
- IME 411 - Simulation Modeling and Analysis **Credits: 3**

(2)

- IME 315 - Process Improvement **Credits: 3**
- IME 419 - Transportation and Logistics **Credits: 3**

Mechanical

Emphasis-required courses

- ME 364 - Materials Science **Credits: 3**
- ME 365 - Modeling Dynamic Systems **Credits: 3**
- ME 366 - Dynamics of Machinery **Credits: 3**
- ME 463 - Heat Transfer **Credits: 3**

Design sequences

(1)

- ENGR 275 - Dynamics **Credits: 3**
- ME 463 - Heat Transfer **Credits: 3**
- ME 465 - Fluid/Thermal Design **Credits: 3**

(2)

- ME 364 - Materials Science **Credits: 3**
- ME 366 - Dynamics of Machinery **Credits: 3**
- ME 466 - Machine Design **Credits: 3**

(3)

- ME 363 - Vibrations **Credits: 3**
- ME 365 - Modeling Dynamic Systems **Credits: 3**
- ME 473 - Introduction to Control Systems **Credits: 3**

(4)

- ME 365 - Modeling Dynamic Systems **Credits: 3**
- ME 366 - Dynamics of Machinery **Credits: 3**
- ME 473 - Introduction to Control Systems **Credits: 3**

Mechatronics

Emphasis-required courses

- ECE 241 - Digital Logic **Credits: 3**
- ECE 343 - Electronics **Credits: 3**
- ME 365 - Modeling Dynamic Systems **Credits: 3**
- ME 473 - Introduction to Control Systems **Credits: 3**

Design sequences

(1)

- ECE 241 - Digital Logic **Credits: 3**
- ECE 347 - Microcomputer Engineering **Credits: 3**
- ECE 447 - Embedded Systems Design **Credits: 3**

(2)

- ME 365 - Modeling Dynamic Systems **Credits: 3**
- ME 473 - Introduction to Control Systems **Credits: 3**
- ME 363 - Vibrations **Credits: 3**

(3)

- ME 365 - Modeling Dynamic Systems **Credits: 3**
- ME 366 - Dynamics of Machinery **Credits: 3**
- ME 473 - Introduction to Control Systems **Credits: 3**

Note:

With advance coordination, students can propose their own unique program of study that incorporates courses from more than one emphasis area. Program plans of this type must be submitted to the Program Chair before the student completes his or her second year of study. A departmental committee will either approve or disapprove the program of study.

Geology and Physics

Environmental Science

Environmental Science is an interdisciplinary approach to studying the interactions of humans with their natural and built environment. This degree program at USI provides students with a rigorous introduction to, and survey of, the hydrologic cycle as it pertains to human-environment interactions, connections of the geosphere, atmosphere, hydrosphere, and biosphere, use and exploitation of natural resources, environmental impact of growing population and energy needs, and the ability to integrate important scientific principles across disciplines. The study of ecological interactions as well as threats to the quantity of water resources available and its quality are explored in this degree program. Lastly, students will study economics, ethics, public policy, sociology, and sustainability to better understand our evolving view of and response to the natural world.

Students enrolled in the Environmental Science degree program will develop, analysis, and decision making skills for assessment and management of the environment. These students will also be exposed to the state-of-the-art measurement and analytical techniques for measuring contaminants in water and biological materials in the environment. Students earning an Environmental Science degree at USI are well prepared for graduate and professional schools, as well as exciting careers in natural resources, consulting firms and industries specializing in water resources, government agencies responsible for regulation and management of energy, land use planning, and not-for-profit organizations.

Geosciences (Geology, Geography)

Geology is the science that permits us to understand the Earth's past and present, and strive to predict its future. It is a field-oriented science that is observational, theoretical, and applied. Geologists at USI are trained to investigate how and why mountains, glaciers, and other natural processes evolve. We deal with issues and problems of concern to society such as climate change, pollution, and earthquakes. Knowledge of geology is an essential component for making informed decisions about regulation, protection, and development of our natural environment.

The geology program at USI is designed to develop observational, reasoning, and analytical skills that students can apply throughout life. It exposes students to the spectrum of earth materials, processes, and techniques related to the study of Earth. Curricular topics include rocks, minerals, and fossils, near-surface processes such as landslides, soil erosion, surface water, ground water, weather and climate, tectonic processes such as mountain building, earthquakes, and volcanism, and applied processes and techniques such as land use analysis and remediation, oil and gas exploration, oceanography, air photo interpretation, and geographic information systems. The practice of geology draws heavily upon knowledge gained from the study of chemistry, physics, biology, and mathematics. Because of the broad training our graduates receive, they are well-prepared for careers both directly and indirectly related to geology. Some career options require a graduate degree, and USI geology faculty members encourage students to continue their education beyond the bachelor's degree.

Physics

Physics is the study of the most basic laws of nature. Physics describes such phenomena as electricity, light, sound, magnetism, forces, energy, and heat. It is useful to all well-educated individuals, as well as being required of all science majors. Beginning

physics is taught at three different levels at the University in order to accommodate students with diverse backgrounds and goals. The physics program culminates in a biophysics major, physics minor, or a secondary education certification in physics.

Biophysics Major, B.A./B.S.

70 hours

The Biophysics major is a highly flexible program that allows student to obtain training in biophysics as well as other complimentary subjects in the sciences. Although the program may include several science areas, it also permits the student to study one area in depth.

Required Courses (42 hours)

- BIOL 141 - Principles of Biology **Credits: 4**
- BIOL 151 - Botany **Credits: 3**
- BIOL 152 - Zoology **Credits: 3**
- PHYS 205 - Intermediate Physics I **Credits: 5** and PHYS 205L - Intermediate Physics I Laboratory **Credits: 0**
- PHYS 206 - Intermediate Physics II **Credits: 5** and PHYS 206L - Intermediate Physics II Laboratory **Credits: 0**
- PHYS 371 - Analytical Mechanics **Credits: 3**
- CHEM 261 - General Chemistry I **Credits: 4**
- CHEM 262 - General Chemistry II **Credits: 4**
- MATH 230 - Calculus I **Credits: 4**
- MATH 241 - Principles of Statistics **Credits: 3**
- MATH 235 - Calculus II **Credits: 4**

Research (2 hours)

- BIOL 499 - Independent Research **Credits: 1-3**
- PHYS 499 - Research **Credits: 1-2**
- CHEM 499 - Introduction to Research **Credits: 1-2**
- MATH 499 - Special Topics in Mathematics **Credits: 1-3**

Electives (26 hours)

26 hours minimum chosen from the following list in consultation with advisor.

One course must be chosen from both biology and physics disciplines.

- BIOL 333 - Animal Physiology **Credits: 4**
- BIOL 334 - Cell Biology **Credits: 3**
- BIOL 336 - Plant Physiology **Credits: 4**
- BIOL 342 - Comparative Chordate Anatomy **Credits: 5**
- BIOL 382 - Genetics **Credits: 4**
- BIOL 434 - Macromolecules and Metabolism **Credits: 4**
- BIOL 436 - Molecular Biology Techniques **Credits: 4**
- BIOL 482 - Molecular Biology **Credits: 3**
- PHYS 361 - Modern Physics **Credits: 3**
- PHYS 381 - Electromagnetic Fields **Credits: 3**

- PHYS 429 - Quantum Mechanics **Credits: 3**
- PHYS 439 - Thermodynamics **Credits: 3**
- CHEM 321 - Quantitative Analysis **Credits: 4**
- CHEM 351 - Polymer Chemistry **Credits: 3**
- CHEM 353 - Organic Chemistry I **Credits: 4**
- CHEM 354 - Organic Chemistry II **Credits: 4**
- CHEM 421 - Instrumental Analysis **Credits: 4**
- CHEM 431 - Biochemistry I **Credits: 4**
- CHEM 432 - Biochemistry II **Credits: 4**
- CHEM 453 - Advanced Organic Chemistry **Credits: 3**
- CHEM 461 - Physical Chemistry I **Credits: 4**
- CHEM 462 - Physical Chemistry II **Credits: 4**
- MATH 331 - Mathematical Models with Applications **Credits: 3**
- MATH 335 - Calculus III **Credits: 4**
- MATH 362 - Linear Algebra **Credits: 3**
- MATH 432 - Advanced Calculus **Credits: 3**
- MATH 366 - Differential Equations **Credits: 3**
- MATH 437 - Numerical Analysis **Credits: 3**

Geology Major, B.A./B.S.

44 hours

Required Geology Courses (35 hours)

A grade of a C or better is required of all core geology courses:

- GEOL 161 - Introduction to Geology **Credits: 4 or**
- GEOL 151 - Geology of America's National Parks **Credits: 4**

- GEOL 162 - Historical Geology **Credits: 4**
- GEOL 261 - Intermediate Geology **Credits: 3**
- GEOL 301 - Mineralogy **Credits: 4**
- GEOL 302 - Igneous and Metamorphic Petrology **Credits: 4**
- GEOL 315 - Paleontology **Credits: 4**
- GEOL 316 - Sedimentology and Stratigraphy **Credits: 4**
- GEOL 345 - Structural Geology **Credits: 4**
- GEOL 481 - Advanced Environmental Geology **Credits: 4**

Geology Electives (9 hours)

Select nine additional credit hours of 300- or 400-level geology courses to reach the required total of 44 credit hours in the major. A six- to eight-credit-hour summer field geology course completed at another school can be used to satisfy part of this requirement.

A maximum of four credit hours of GEOL 390 can be counted toward completion of the geology electives.

Supporting requirements for Geology major (23-25 hours)

- PHYS 175 - General Physics I **Credits: 4** and PHYS 175L - General Physics I Laboratory Credits: **0**
or
- PHYS 205 - Intermediate Physics I **Credits: 5** and PHYS 205L - Intermediate Physics I Laboratory Credits: **0**
- PHYS 176 - General Physics II **Credits: 4** and PHYS 176L - General Physics II Laboratory Credits: **0**
or
- PHYS 206 - Intermediate Physics II **Credits: 5** and PHYS 206L - Intermediate Physics II Laboratory Credits: **0**
- CHEM 261 - General Chemistry I **Credits: 4**
- CHEM 262 - General Chemistry II **Credits: 4**
- MATH 230 - Calculus I **Credits: 4**

Additional Science Course (3 hours)

Three additional credit hours in science or math must be selected from an approved list, in consultation with an advisor, to reach the required total of 23-25 credit hours in supporting requirements for the geology major.

Science Teaching Major, B.A./B.S.

Students who wish to prepare for careers as science teachers at the secondary school level may choose the science teaching major. This major is designed to meet the Indiana requirements for teaching licensure in one of the following areas: biology (life sciences), earth/space sciences, chemistry, and physics. In addition to completing the science teaching major requirements, students must complete the secondary education minor to pursue a teaching license.

Teaching Major Grade & GPA Requirement

Students completing a teaching major must earn at least a 2.75 cumulative GPA, a 2.75 major GPA, and a grade of C or better in all courses applied toward degree requirements.

Science Content Area

Students must choose of one of the following **science content areas** within the science teaching major.

Chemistry (non-ACS, 65-66 credit hours)

- CHEM 261 - General Chemistry I **Credits: 4**
- CHEM 262 - General Chemistry II **Credits: 4**
- CHEM 353 - Organic Chemistry I **Credits: 4**
- CHEM 354 - Organic Chemistry II **Credits: 4**
- CHEM 321 - Quantitative Analysis **Credits: 4**
- CHEM 421 - Instrumental Analysis **Credits: 4**
- CHEM 441 - Inorganic Chemistry **Credits: 4**
- CHEM 461 - Physical Chemistry I **Credits: 4**
- CHEM 218 - Chemistry Seminar I **Credits: 1**
- CHEM 318 - Chemistry Seminar II **Credits: 1**
- CHEM 418 - Chemistry Seminar III **Credits: 1**
- CHEM 499 - Introduction to Research **Credits: 1-2** (a total of **2** credit hours required)

Choose one course from the following:

- CHEM 341 - Environmental Chemistry **Credits: 3**
- CHEM 351 - Polymer Chemistry **Credits: 3**
- CHEM 453 - Advanced Organic Chemistry **Credits: 3**
- CHEM 462 - Physical Chemistry II **Credits: 4**
- Other required courses include
- MATH 230 - Calculus I **Credits: 4**
- MATH 235 - Calculus II **Credits: 4**
- PHYS 205 - Intermediate Physics I **Credits: 5** and PHYS 205L Intermediate Physics I Laboratory **Credits: 0**
- PHYS 206 - Intermediate Physics II **Credits: 5** and PHYS 206L Intermediate Physics II Laboratory **Credits: 0**
- BIOL 108 - Biology for Educators **Credits: 2**
- GEOL 108 - Earth-Space Science for Educators **Credits: 2**
- EDUC 396 - Teaching Science in Grades 5-12 **Credits: 3**

Students may elect to choose a Chemistry (ACS), Biochemistry (non-ACS), or Biochemistry (ACS) degree to complete the Chemistry content. See your academic advisor for more details.

Earth/Space Science (53-56 credit hours)

- ASTR 201 - General Astronomy **Credits: 4**
- GEOG 214 - Meteorology **Credits: 3**

- GEOL 151 - Geology of America's National Parks **Credits: 4 or**
- GEOL 161 - Introduction to Geology **Credits: 4**

- GEOL 162 - Historical Geology **Credits: 4**
- GEOL 234 - The Oceans: Past, Present, and Future **Credits: 3**
- GEOL 261 - Intermediate Geology **Credits: 3**
- GEOL 301 - Mineralogy **Credits: 4**
- GEOL 315 - Paleontology **Credits: 4**

- GEOL 407 - Geomorphology **Credits: 4 or**
- GEOL 441 - Hydrogeology **Credits: 4 or**
- GEOL 481 - Advanced Environmental Geology **Credits: 4**

- PHYS 175 - General Physics I **Credits: 4** and PHYS 175L - General Physics I Laboratory **Credits: 0 or**
- PHYS 205 - Intermediate Physics I **Credits: 5** and PHYS 205L - Intermediate Physics I Laboratory **Credits: 0**

Other required courses include:

- BIOL 108 - Biology for Educators **Credits: 2**

- CHEM 175 - Survey of Chemical Concepts **Credits: 4 or**
- CHEM 261 - General Chemistry I **Credits: 4**

- EDUC 396 - Teaching Science in Grades 5-12 **Credits: 3**
- MATH 230 - Calculus I **Credits: 4**

Additional Elective (choose one course from the following) Credits: 3-5

- ANTH 121 - Introduction to Archaeology **Credits: 3**
- BIOL 141 - Principles of Biology **Credits: 4**
- CHEM 262 - General Chemistry II **Credits: 4**
- GEOG 215 - Climatology **Credits: 3**
- MATH 241 - Principles of Statistics **Credits: 3**
- MATH 235 - Calculus II **Credits: 4**
- PHYS 176 - General Physics II **Credits: 4** and PHYS 176L General Physics II Laboratory **Credits: 0** or
- PHYS 206 - Intermediate Physics II **Credits: 5** and PHYS 206L Intermediate Physics II Laboratory **Credits: 0**
- Or any 300- or 400-level ASTR or GEOL course

Life Sciences (55-56 credit hours)

- BIOL 121 - Human Anatomy and Physiology I **Credits: 4**
- BIOL 122 - Human Anatomy and Physiology II **Credits: 4**
- BIOL 141 - Principles of Biology **Credits: 4**
- BIOL 151 - Botany **Credits: 3**
- BIOL 152 - Zoology **Credits: 3**
- BIOL 215 - Ecology **Credits: 3**
- BIOL 334 - Cell Biology **Credits: 3**
- BIOL 375 - Microbiology **Credits: 3**
- BIOL 376 - Laboratory in Microbiology **Credits: 2**
- BIOL 382 - Genetics **Credits: 4**
- BIOL 481 - Organic Evolution **Credits: 3**
- BIOL 490 - Undergraduate Teaching **Credits: 1** (must be taken twice, for a total of 2 credits)

Other required courses include:

- CHEM 261 - General Chemistry I **Credits: 4**
- CHEM 262 - General Chemistry II **Credits: 4**
- CHEM 241 - Organic/Biochemistry Principles **Credits: 4**
- EDUC 396 - Teaching Science in Grades 5-12 **Credits: 3**
- GEOL 108 - Earth-Space Science for Educators **Credits: 2**
- Core 39 Foundations/Mathematics & Quantitative Reasoning course **Credits: 4-5**
- PHYS 108 - Physics for Educators **Credits: 2**

Physical Science (64-65 credit hours)

Chemistry Courses:

- CHEM 261 - General Chemistry I **Credits: 4**
- CHEM 262 - General Chemistry II **Credits: 4**
- CHEM 321 - Quantitative Analysis **Credits: 4**
- CHEM 341 - Environmental Chemistry **Credits: 3**
- CHEM 353 - Organic Chemistry I **Credits: 4**
- CHEM 218 - Chemistry Seminar I **Credits: 1**
- CHEM 318 - Chemistry Seminar II **Credits: 1**
- CHEM 418 - Chemistry Seminar III **Credits: 1**
- CHEM 499 - Introduction to Research **Credits: 1-2** (a total of 2 credit hours required)

Choose one course from the following:

- CHEM 351 - Polymer Chemistry **Credits: 3**
- CHEM 354 - Organic Chemistry II **Credits: 4**
- CHEM 361 - Survey of Physical Chemistry **Credits: 4**
- CHEM 421 - Instrumental Analysis **Credits: 4**

Physics Courses:

- PHYS 205 - Intermediate Physics I **Credits: 5** and PHYS 205L Intermediate Physics I Laboratory **Credits: 0**
- PHYS 206 - Intermediate Physics II **Credits: 5** and PHYS 206L Intermediate Physics II Laboratory **Credits: 0**
- PHYS 361 - Modern Physics **Credits: 3**
- PHYS 371 - Analytical Mechanics **Credits: 3**
- PHYS 300- or 400-level elective **Credits: 3**
- PHYS 300- or 400-level elective **Credits: 3**

Other required courses include:

- BIOL 108 - Biology for Educators **Credits: 2**
- EDUC 396 - Teaching Science in Grades 5-12 **Credits: 3**
- GEOL 108 - Earth-Space Science for Educators **Credits: 2**
- MATH 230 - Calculus I **Credits: 4**
- MATH 235 - Calculus II **Credits: 4**

Physics (44 hours)

- PHYS 205 - Intermediate Physics I **Credits: 5** and PHYS 205L - Intermediate Physics I Laboratory **Credits: 0**
- PHYS 206 - Intermediate Physics II **Credits: 5** and PHYS 206L - Intermediate Physics II Laboratory **Credits: 0**
- PHYS 361 - Modern Physics **Credits: 3**
- PHYS 371 - Analytical Mechanics **Credits: 3**
- PHYS 381 - Electromagnetic Fields **Credits: 3**
- PHYS 429 - Quantum Mechanics **Credits: 3**
- PHYS 439 - Thermodynamics **Credits: 3**
- PHYS 499 - Research **Credits: 1-2** (a total of 2 credit hours is required)

Other required courses include:

- MATH 230 - Calculus I **Credits: 4**
- MATH 235 - Calculus II **Credits: 4**
- BIOL 108 - Biology for Educators **Credits: 2**
- CHEM 108 - Chemistry for Educators **Credits: 2**
- GEOL 108 - Earth-Space Science for Educators **Credits: 2**
- EDUC 396 - Teaching Science in Grades 5-12 **Credits: 3**

Secondary Education Licensure minor

Students seeking a teaching major that leads to licensure as a secondary school teacher (grades 5-12) are required to complete the Secondary Education Licensure Minor.

Environmental Science Major, B.S.

56 hours + 29 hours of supporting coursework

Environmental Science Core (13 hours)

- GEOG 112 - Earth System Science **Credits: 3** or
- GEOL 131 - Geology, the Environment, and Society **Credits: 3**

- BIOL 215 - Ecology **Credits: 3**
- GEOL 311 - Concepts in Environmental Science **Credits: 3**
- GEOL 481 - Advanced Environmental Geology **Credits: 4**

Required Coursework (25 hours)

- GEOL 161 - Introduction to Geology **Credits: 4** or
- GEOL 151 - Geology of America's National Parks **Credits: 4**

- GEOG 215 - Climatology **Credits: 3**
- GEOL 234 - The Oceans: Past, Present, and Future **Credits: 3**
- CHEM 321 - Quantitative Analysis **Credits: 4**
- GEOL 407 - Geomorphology **Credits: 4**
- GEOL 441 - Hydrogeology **Credits: 4**
- BIOL 452 - Biology and Environmental Science of Global Change **Credits: 3**

Complete at least 9 hours from:

- ECON 338 - Environmental and Resource Economics **Credits: 3**
- POLS 464 - Environmental Politics and Policy **Credits: 3**
- PHIL 366 - Environmental Ethics **Credits: 3**
- SOC 415 - Sociology of the Environment **Credits: 3**

Complete at least 9 hours from:

- BIOL 221 - Introduction to Entomology **Credits: 4**
- BIOL 305 - Aquatic Biology **Credits: 4**
- BIOL 306 - Ichthyology **Credits: 4**
- BIOL 321 - Invertebrate Zoology **Credits: 4**
- BIOL 336 - Plant Physiology **Credits: 4**
- BIOL 361 - Plant Systematics **Credits: 4**
- BIOL 459 - Advanced Ecology **Credits: 4**
- CHEM 241 - Organic/Biochemistry Principles **Credits: 4**
- CHEM 341 - Environmental Chemistry **Credits: 3**
- CHEM 354 - Organic Chemistry II **Credits: 4**
- GEOL 411 - Geology of Soils **Credits: 4**
- GEOL 455 - Global Quaternary Environmental and Geologic Change **Credits: 3**
- GEOL 465 - Introduction to GIS **Credits: 3**
- GEOL 475 - Remote Sensing and Image Analysis **Credits: 3**
- ENGR 265 - Energy Systems and Sustainable Design **Credits: 3**
- CE 441 - Environmental Engineering **Credits: 4**
- CE 451 - Water Resources and Hydrologic Design **Credits: 4**

- BIOL 499 - Independent Research **Credits: 1-3**
- CHEM 499 - Introduction to Research **Credits: 1-2**
- GEOL 499 - Independent Research **Credits: 1-4**

Supporting Courses (29 hours)

Science courses (26 hours):

- BIOL 141 - Principles of Biology **Credits: 4**
- BIOL 151 - Botany **Credits: 3**
- BIOL 152 - Zoology **Credits: 3**
- CHEM 261 - General Chemistry I **Credits: 4**
- CHEM 262 - General Chemistry II **Credits: 4**
- MATH 230 - Calculus I **Credits: 4**
- PHYS 175 - General Physics I **Credits: 4 and**
- PHYS 175L - General Physics I Laboratory **Credits: 0**

Social Science courses (select 3 hours):

- PHIL 435 - Philosophy of Science **Credits: 3**
- SOC 370 - Seminar in Sociology **Credits: 3** (Approved topics: Science in Society; Global Climate Change)

Biophysics Minor

Required Courses (24 hours)

Complete 24 hours of advisor-approved electives at the 300/400 level from the list below.

At least one course each must be selected from biology and physics.

- BIOL 333 - Animal Physiology **Credits: 4**
- BIOL 334 - Cell Biology **Credits: 3**
- BIOL 336 - Plant Physiology **Credits: 4**
- BIOL 342 - Comparative Chordate Anatomy **Credits: 5**
- BIOL 382 - Genetics **Credits: 4**
- BIOL 434 - Macromolecules and Metabolism **Credits: 4**
- BIOL 436 - Molecular Biology Techniques **Credits: 4**
- BIOL 482 - Molecular Biology **Credits: 3**
- PHYS 361 - Modern Physics **Credits: 3**
- PHYS 381 - Electromagnetic Fields **Credits: 3**
- PHYS 439 - Thermodynamics **Credits: 3**
- CHEM 321 - Quantitative Analysis **Credits: 4**
- CHEM 351 - Polymer Chemistry **Credits: 3**
- CHEM 353 - Organic Chemistry I **Credits: 4**
- CHEM 354 - Organic Chemistry II **Credits: 4**
- CHEM 421 - Instrumental Analysis **Credits: 4**
- CHEM 431 - Biochemistry I **Credits: 4**
- CHEM 432 - Biochemistry II **Credits: 4**
- CHEM 453 - Advanced Organic Chemistry **Credits: 3**
- CHEM 461 - Physical Chemistry I **Credits: 4**

- CHEM 462 - Physical Chemistry II **Credits: 4**
- MATH 331 - Mathematical Models with Applications **Credits: 3**
- MATH 335 - Calculus III **Credits: 4**
- MATH 362 - Linear Algebra **Credits: 3**
- MATH 432 - Advanced Calculus **Credits: 3**
- MATH 366 - Differential Equations **Credits: 3**
- MATH 437 - Numerical Analysis **Credits: 3**

Geography Minor

25 hours

Required Courses (19 hours)

- GEOG 112 - Earth System Science **Credits: 3**
- GEOG 214 - Meteorology **Credits: 3**
- GEOG 215 - Climatology **Credits: 3**
- GEOG 330 - World Geography **Credits: 3**
- GEOL 161 - Introduction to Geology **Credits: 4**
- GEOL 131 - Geology, the Environment, and Society **Credits: 3**

Additional Requirements (6 hours)

Six additional credit hours of 300- or 400-level courses in anthropology, economics, history, or political science must be selected to reach the required total of 25 credit hours.

Geology Minor

26 hours

Required Courses (19 hours)

- GEOL 161 - Introduction to Geology **Credits: 4 or**
- GEOL 151 - Geology of America's National Parks **Credits: 4**

- GEOL 162 - Historical Geology **Credits: 4**
- GEOL 261 - Intermediate Geology **Credits: 3**
- GEOL 301 - Mineralogy **Credits: 4**
- GEOL 316 - Sedimentology and Stratigraphy **Credits: 4**

Additional Requirements (7 hours)

Seven additional credit hours of 300- or 400-level geology courses must be selected to reach the required total of 26 credit hours.

Physics Minor

24 hours

Required Courses (13 hours)

- PHYS 205 - Intermediate Physics I **Credits: 5**
- PHYS 206 - Intermediate Physics II **Credits: 5**
- PHYS 371 - Analytical Mechanics **Credits: 3**

Elective Courses (11 hours)

Select 11 hours of upper-level physics coursework, as directed by advisor.

Science Teaching Minor for Elementary Education

22 hours; 2.75 minor GPA required; C or better required

The elementary science teaching minor is a broad-based program of study that includes coursework in biology, chemistry, geology, engineering, and physics. Students pursuing the minor complete a prescribed set of required courses. In some cases (BIOL and GEOL), students have a choice of courses that will satisfy the program requirements. This minor is an alternative to existing minors in biology, chemistry, geology, and physics and is open only to students majoring in Elementary Education.

Teaching Minor Grade and GPA Requirement

Students completing a teaching minor must earn a grade of A in SPAN 307, at least a 2.75 cumulative GPA, a 3.00 major GPA, and a grade of B or better in all courses applied toward degree requirements.

Program Requirements (22 hours)

- ASTR 201 - General Astronomy **Credits: 4**
- BIOL 108 - Biology for Educators **Credits: 2**

- BIOL 112 - Ethnobotany with Lab **Credits: 4 or**
- BIOL 114 - Understanding Evolution **Credits: 4**

- CHEM 108 - Chemistry for Educators **Credits: 2**
- ENGR 202 - Introductory Engineering Methods and Applications **Credits: 3**
- GEOG 214 - Meteorology **Credits: 3**
- GEOL 108 - Earth-Space Science for Educators **Credits: 2**
- PHYS 108 - Physics for Educators **Credits: 2**

Kinesiology and Sport

The Department of Kinesiology and Sport has responsibility for the following:

- Core 39 component in Physical Activity and Wellness;
- undergraduate majors in physical education teaching, sport management, kinesiology, and exercise science;
- the undergraduate minors in coaching, physical education, teacher certification, health and safety education, personal training, strength and conditioning, intercollegiate athletic administration, recreational sports, and sport management;

- the undergraduate endorsement in coaching.
- the graduate program (kinesiology, health, and sport specialization)

Core 39 Courses

One hour of credit in physical activity and wellness is necessary to meet the Core 39 requirement. Students take KIN 192 - Concepts in Wellness and Fitness or KIN 281 - Personal Health Science. Students are provided an opportunity to promote their general physical well being as well as develop new recreational skills. A laboratory fee, towel, lock, and locker fee may be assessed when students enroll in some classes. Students not able to participate in the physical activity courses because of medical reasons, physical handicaps, or other personal reasons may substitute KIN 282 - 2 hours, when approval has been granted by the dean of the Pott College of Science, Engineering, and Education or a designee. The student must provide a physician's statement prohibiting participation in physical activity.

Exercise Science Major, B.A./B.S.

The major in exercise science prepares students for entry-level positions in academic, clinical, corporate, commercial, and community settings that offer exercise programs for health and fitness, performance enhancement, injury prevention and rehabilitation. The curriculum follows the knowledge, skills, and abilities set forth by the American College of Sports Medicine (ACSM) and the recommendations of the National Strength and Conditioning Association (NSCA). Students will exit the program highly prepared to complete future certification exams either the ACSM Health Fitness Specialist and/or the NSCA Certified Strength and Conditioning Specialist. There are currently four distinct academic tracks for students to choose from: a) general exercise science, b) strength and conditioning, c) pre-occupational therapy, and d) pre-physical therapy. This major is also designed to prepare student to continue their education at the graduate level.

Exercise Science Major Required Courses (48 hours)

- KIN 188 - Introduction to Kinesiology and Sport **Credits: 2**
- KIN 281 - Personal Health Science **Credits: 3**
- KIN 282 - CPR and Sports Injury Prevention **Credits: 2**
- KIN 283 - Field Experience in Sport and Exercise **Credits: 1**
- KIN 291 - Motor Behavior **Credits: 2**
- EXSC 383 - Kinesiology **Credits: 3**
- EXSC 391 - Biomechanics **Credits: 3**
- EXSC 394 - Measurement and Evaluation **Credits: 3**
- EXSC 397 - Physiology of Exercise **Credits: 4**
- EXSC 484 - Exercise Testing and Prescription **Credits: 3**
- EXSC 487 - Principles and Applications of Fitness Training **Credits: 3**
- EXSC 488 - Program Design for Healthy and Special Populations **Credits: 3**
- KIN 492 - Contemporary Issues in Sport and Exercise **Credits: 3**

Other Required Courses

- BIOL 121 - Human Anatomy and Physiology I **Credits: 4**
- BIOL 122 - Human Anatomy and Physiology II **Credits: 4**
- NUTR 378 - Nutrition for Fitness and Sports **Credits: 3**
- HP 115 - Medical Terminology For The Health Professions **Credits: 2**

General Exercise Science (no track) (12-14 hours)

- EXSC 496 - Practicum in Exercise Science **Credits: 3-6** (must be taken for **6** hours)
- MATH 111 - College Algebra **Credits: 4** or
- MATH 115 - Pre-Calculus Mathematics **Credits: 3**
- PHYS 101 - Introduction to the Physical Sciences **Credits: 3** or
- PHYS 175 - General Physics I **Credits: 4** and PHYS 175L - General Physics I Laboratory **Credits: 0**

Exercise Science Major, Pre-Occupational Therapy Track, B.A./B.S.

The major in exercise science prepares students for entry-level positions in academic, clinical, corporate, commercial, and community settings that offer exercise programs for health and fitness, performance enhancement, injury prevention and rehabilitation. The curriculum follows the knowledge, skills, and abilities set forth by the American College of Sports Medicine (ACSM) and the recommendations of the National Strength and Conditioning Association (NSCA). Students will exit the program highly prepared to complete future certification exams either the ACSM Health Fitness Specialist and/or the NSCA Certified Strength and Conditioning Specialist. There are currently four distinct academic tracks for students to choose from: a) general exercise science, b) strength and conditioning, c) pre-occupational therapy, and d) pre-physical therapy. This major is also designed to prepare student to continue their education at the graduate level.

Exercise Science Major Required Courses (48 hours)

- KIN 188 - Introduction to Kinesiology and Sport **Credits: 2**
- KIN 281 - Personal Health Science **Credits: 3**
- KIN 282 - CPR and Sports Injury Prevention **Credits: 2**
- KIN 283 - Field Experience in Sport and Exercise **Credits: 1**
- KIN 291 - Motor Behavior **Credits: 2**
- EXSC 383 - Kinesiology **Credits: 3**
- EXSC 391 - Biomechanics **Credits: 3**
- EXSC 394 - Measurement and Evaluation **Credits: 3**
- EXSC 397 - Physiology of Exercise **Credits: 4**
- EXSC 484 - Exercise Testing and Prescription **Credits: 3**
- EXSC 487 - Principles and Applications of Fitness Training **Credits: 3**
- EXSC 488 - Program Design for Healthy and Special Populations **Credits: 3**
- KIN 492 - Contemporary Issues in Sport and Exercise **Credits: 3**

Other Required Courses

- BIOL 121 - Human Anatomy and Physiology I **Credits: 4**
- BIOL 122 - Human Anatomy and Physiology II **Credits: 4**
- NUTR 378 - Nutrition for Fitness and Sports **Credits: 3**
- HP 115 - Medical Terminology For The Health Professions **Credits: 2**

Pre-Occupational Therapy Track (42-44 hours)

Required Courses

- EXSC 496 - Practicum in Exercise Science **Credits: 3-6** (must be taken for **6** hours)
- MATH 111 - College Algebra **Credits: 4** or
- MATH 115 - Pre-Calculus Mathematics **Credits: 3**
- PHYS 101 - Introduction to the Physical Sciences **Credits: 3** or
- PHYS 175 - General Physics I **Credits: 4** and PHYS 175L - General Physics I Laboratory **Credits: 0**
- PSY 201 - Introduction to Psychology **Credits: 3**
- PSY 261 - Lifespan Developmental Psychology **Credits: 3**
- PSY 322 - Abnormal Psychology **Credits: 3**
- HP 225 - Pharmacology and Therapeutics **Credits: 3**
- HP 302 - Biostatistics **Credits: 3**

Elective Courses

Choose 15 hours of electives from:

- KIN 199 - Special Activities **Credits: 1** (approved topics: Yoga; Tai Chi)
- KIN 284 - Stress Management **Credits: 2**
- EXSC 381 - Care and Prevention of Athletic Injuries **Credits: 3**
- HP 211 - The Healthcare Delivery System **Credits: 3**
- HP 234 - Mechanisms of Pathophysiology **Credits: 3**
- HP 236 - Eastern Medicine and Alternative/Complimentary Healthcare **Credits: 3**
- HP 356 - Ethics and Healthcare in a Pluralistic Society **Credits: 3**

Exercise Science Major, Pre-Physical Therapy Track, B.A./B.S.

The major in exercise science prepares students for entry-level positions in academic, clinical, corporate, commercial, and community settings that offer exercise programs for health and fitness, performance enhancement, injury prevention and rehabilitation. The curriculum follows the knowledge, skills, and abilities set forth by the American College of Sports Medicine (ACSM) and the recommendations of the National Strength and Conditioning Association (NSCA). Students will exit the program highly prepared to complete future certification exams either the ACSM Health Fitness Specialist and/or the NSCA Certified Strength and Conditioning Specialist. There are currently four distinct academic tracks for students to choose from: a) general exercise science, b) strength and conditioning, c) pre-occupational therapy, and d) pre-physical therapy. This major is also designed to prepare student to continue their education at the graduate level.

Exercise Science Major Required Courses (48 hours)

- KIN 188 - Introduction to Kinesiology and Sport **Credits: 2**
- KIN 281 - Personal Health Science **Credits: 3**
- KIN 282 - CPR and Sports Injury Prevention **Credits: 2**
- KIN 283 - Field Experience in Sport and Exercise **Credits: 1**
- KIN 291 - Motor Behavior **Credits: 2**
- EXSC 383 - Kinesiology **Credits: 3**
- EXSC 391 - Biomechanics **Credits: 3**
- EXSC 394 - Measurement and Evaluation **Credits: 3**
- EXSC 397 - Physiology of Exercise **Credits: 4**

- EXSC 484 - Exercise Testing and Prescription **Credits: 3**
- EXSC 487 - Principles and Applications of Fitness Training **Credits: 3**
- EXSC 488 - Program Design for Healthy and Special Populations **Credits: 3**
- KIN 492 - Contemporary Issues in Sport and Exercise **Credits: 3**

Other Required Courses

- BIOL 121 - Human Anatomy and Physiology I **Credits: 4**
- BIOL 122 - Human Anatomy and Physiology II **Credits: 4**
- NUTR 378 - Nutrition for Fitness and Sports **Credits: 3**
- HP 115 - Medical Terminology For The Health Professions **Credits: 2**

Pre-Physical Therapy Track (40-44 hours)

Required Courses

- EXSC 496 - Practicum in Exercise Science **Credits: 3-6** (must be taken for **4** hours)
- MATH 115 - Pre-Calculus Mathematics **Credits: 3**
or
- MATH 111 - College Algebra **Credits: 4** and
- MATH 112 - Trigonometry **Credits: 3**
- PHYS 175 - General Physics I **Credits: 4** and PHYS 175L - General Physics I Laboratory **Credits: 0**
- PHYS 176 - General Physics II **Credits: 4** and PHYS 176L - General Physics II Laboratory **Credits: 0**
- BIOL 141 - Principles of Biology **Credits: 4**
- CHEM 261 - General Chemistry I **Credits: 4**
- CHEM 262 - General Chemistry II **Credits: 4**
- PSY 261 - Lifespan Developmental Psychology **Credits: 3**
- PSY 322 - Abnormal Psychology **Credits: 3**
- MATH 241 - Principles of Statistics **Credits: 3**

Elective Courses

Choose 4 hours of electives from:

- KIN 199 - Special Activities **Credits: 1** (approved topics: Yoga; Tai Chi)
- EXSC 381 - Care and Prevention of Athletic Injuries **Credits: 3**
- HP 302 - Biostatistics **Credits: 3**
- HP 356 - Ethics and Healthcare in a Pluralistic Society **Credits: 3**

Exercise Science Major, Strength and Conditioning Track, B.A./B.S.

The major in exercise science prepares students for entry-level positions in academic, clinical, corporate, commercial, and community settings that offer exercise programs for health and fitness, performance enhancement, injury prevention and rehabilitation. The curriculum follows the knowledge, skills, and abilities set forth by the American College of Sports Medicine (ACSM) and the recommendations of the National Strength and Conditioning Association (NSCA). Students will exit the program highly prepared to complete future certification exams either the ACSM Health Fitness Specialist and/or the NSCA

Certified Strength and Conditioning Specialist. There are currently four distinct academic tracks for students to choose from: a) general exercise science, b) strength and conditioning, c) pre-occupational therapy, and d) pre-physical therapy. This major is also designed to prepare student to continue their education at the graduate level.

Exercise Science Major Required Courses (48 hours)

- KIN 188 - Introduction to Kinesiology and Sport **Credits: 2**
- KIN 281 - Personal Health Science **Credits: 3**
- KIN 282 - CPR and Sports Injury Prevention **Credits: 2**
- KIN 283 - Field Experience in Sport and Exercise **Credits: 1**
- KIN 291 - Motor Behavior **Credits: 2**
- EXSC 383 - Kinesiology **Credits: 3**
- EXSC 391 - Biomechanics **Credits: 3**
- EXSC 394 - Measurement and Evaluation **Credits: 3**
- EXSC 397 - Physiology of Exercise **Credits: 4**
- EXSC 484 - Exercise Testing and Prescription **Credits: 3**
- EXSC 487 - Principles and Applications of Fitness Training **Credits: 3**
- EXSC 488 - Program Design for Healthy and Special Populations **Credits: 3**
- KIN 492 - Contemporary Issues in Sport and Exercise **Credits: 3**

Other Required Courses

- BIOL 121 - Human Anatomy and Physiology I **Credits: 4**
- BIOL 122 - Human Anatomy and Physiology II **Credits: 4**
- NUTR 378 - Nutrition for Fitness and Sports **Credits: 3**
- HP 115 - Medical Terminology For The Health Professions **Credits: 2**

Strength and Conditioning Track (39-41 hours)

Required Courses

- EXSC 496 - Practicum in Exercise Science **Credits: 3-6** (must be taken for **6** hours)
- MATH 111 - College Algebra **Credits: 4** or
- MATH 115 - Pre-Calculus Mathematics **Credits: 3**
- PHYS 101 - Introduction to the Physical Sciences **Credits: 3** or
- PHYS 175 - General Physics I **Credits: 4** and PHYS 175L - General Physics I Laboratory **Credits: 0**
- EXSC 475 - Strength and Conditioning Techniques **Credits: 3**
- EXSC 476 - Training Science **Credits: 3**
- EXSC 477 - Testing and Evaluation of Athletes **Credits: 3**
- EXSC 478 - National Strength and Conditioning Certified Strength and Conditioning Specialist Exam Review **Credits: 1**
- PSY 377 - Sport Psychology **Credits: 3**

Elective Courses

Choose 14 hours of electives from:

- Two 100-199 level KIN activity courses (total Credits: 2)
- SPTM 225 - Principles of Intercollegiate Athletic Administration **Credits: 3**
- SPTM 226 - Principles and Problems of Coaching **Credits: 3**
- SPTM 453 - Diversity in Sport **Credits: 3**
- SPTM 482 - NCAA Compliance and Institutional Control **Credits: 3**
- NUTR 376 - Principles and Applications in Nutrition **Credits: 3**
- NUTR 415 - Dietary Supplements and Herb Use in Nutrition **Credits: 3**

Kinesiology Major, B.A./B.S.

The Bachelor of Science Degree in Kinesiology prepares students for entry-level positions in the following areas: fitness clubs, YMCAs, recreation centers, corporate fitness and wellness centers, health departments, senior centers, and hospital fitness and wellness centers. Examples of kinesiology positions include, but are not limited to personal trainers, group exercise instructors, community wellness program managers, worksite fitness or wellness center managers, health coaches, and private or commercial fitness club general managers or consultants. It is also designed to prepare students to test for the American College of Sports Medicine's Certified Personal Trainer and Aerobics and Fitness Association of America's Primary Group Exercise Instructor Certification. Specialty areas within kinesiology major include: group exercise instructor, nutrition, personal training, fitness and recreational management, health and safety education, and senior fitness. The curriculum is based on the guidelines and standards developed by the American College of Sports Medicine. It is scientific based but incorporates practical experiences in fitness and physical activity assessment, group exercise instruction, exercise prescription and programming, nutrition, human behavior, safety procedures, and program administration. There are currently six distinct academic tracks for students to choose from: a) group exercise instructor, b) nutrition, c) personal training, d) fitness and recreational management, e) health & safety education, and f) senior fitness. This major is also designed to prepare student to continue their education at the graduate level.

Kinesiology (66-68 hours)

Required Courses (53-56 hours)

- KIN 188 - Introduction to Kinesiology and Sport **Credits: 2**
- KIN 281 - Personal Health Science **Credits: 3**
- KIN 282 - CPR and Sports Injury Prevention **Credits: 2**
- KIN 283 - Field Experience in Sport and Exercise **Credits: 1**
- KIN 291 - Motor Behavior **Credits: 2**
- EXSC 383 - Kinesiology **Credits: 3**
- EXSC 391 - Biomechanics **Credits: 3**
- KIN 393 - Practicum in Kinesiology **Credits: 3**
- EXSC 394 - Measurement and Evaluation **Credits: 3**
- EXSC 397 - Physiology of Exercise **Credits: 4**
- EXSC 487 - Principles and Applications of Fitness Training **Credits: 3**
- SPTM 491 - Managing Organizations for Sport and Physical Activity **Credits: 3**
- KIN 492 - Contemporary Issues in Sport and Exercise **Credits: 3**
- KIN 499 - Practicum in Physical Education **Credits: 3-5**
- Select four or five (4-5) 100-level KIN activity courses (excluding KIN 186) Credits: **4-5** (NOTE: if selecting the Health and Safety Education specialty area, only four activity courses are required)
- BIOL 121 - Human Anatomy and Physiology I **Credits: 4**
- BIOL 122 - Human Anatomy and Physiology II **Credits: 4**

- CIS 151 - Computer Applications in Business **Credits: 3**

Specialty Areas (12-13 hours)

Choose one area:

Group Exercise Instructor

- KIN 385 - Methods of Group Exercise Instruction **Credits: 3**
- EXSC 488 - Program Design for Healthy and Special Populations **Credits: 3**
- KIN 181 - Aerobics **Credits: 1**
- KIN 143 - Aquatic Exercise **Credits: 1**
- KIN 185 - Step Aerobics **Credits: 1**
- KIN 199 - Special Activities **Credits: 1** Three required topics: Yoga, Spinning, Cardio Kickboxing (total credits:3)
*Other Fitness Related course(s) may be approved by advisor.

Nutrition

- NUTR 376 - Principles and Applications in Nutrition **Credits: 3**
- NUTR 378 - Nutrition for Fitness and Sports **Credits: 3**
- NUTR 396 - Nutrition Throughout the Lifecycle **Credits: 3**
- NUTR 415 - Dietary Supplements and Herb Use in Nutrition **Credits: 3**

Personal Training

- KIN 385 - Methods of Group Exercise Instruction **Credits: 3**
- EXSC 484 - Exercise Testing and Prescription **Credits: 3**
- KIN 485 - Methods of Personal Training **Credits: 3**
- EXSC 488 - Program Design for Healthy and Special Populations **Credits: 3**

Fitness & Recreational Management

- SPTM 223 - Principles of Recreation **Credits: 3**
- SPTM 332 - Sport Facility Management **Credits: 3**
- SPTM 334 - Sport Event Management **Credits: 3**
- SPTM 337 - Recreational Sports Administration **Credits: 3**

Health & Safety Education

- KIN 284 - Stress Management **Credits: 2**
- KIN 286 - Safety Education **Credits: 2**
- PET 402 - Controversial Issues in Health Education **Credits: 3**
- PET 442 - Community Health **Credits: 3**
- PET 494 - Program Planning and Evaluation in Health Education **Credits: 3**

Senior Fitness

- GERO 215 - Health Care Aspects of Gerontology **Credits: 3**
- GERO 321 - Sociological Aspects of Aging **Credits: 3**
- PSY 371 - Adulthood and Aging **Credits: 3**
- EXSC 488 - Program Design for Healthy and Special Populations **Credits: 3**

Physical Education (P-12) Teaching Major, B.A./B.S.

The teacher education program in Physical Education and Health prepares students to teach physical education and health in private and/or public schools. The Department offers teaching majors for PK-12 (All-grade) licensure. The PK-12 major consists of 52 semester hours of physical education and health specific content. The curriculum consists of course work in scientific and theoretical knowledge, skills and fitness based competency; planning and implementation; instructional delivery and management; impact on student learning; evaluation and assessment of learning; and professionalism which culminates in 16 weeks of student teaching. Aligned with our teaching philosophy, the physical education and health faculty believe it is important to provide as much hands on teaching experience throughout the course work within the major to best prepare students for their future career. A graduate of the physical education and health program will be prepared to design and implement a physical education and health curricula for PK-12. The Physical Education and Health major is accredited through the National Council for Accreditation of Teacher Education (NCATE) and the Indiana Department of Education (IDOE) and complies with accreditation standards set by the National Association for Sport and Physical Education (NASPE) and the American Association for Health Education (AAHE).

Teaching Major Grade & GPA Requirement

Students completing a teaching major must earn at least a 2.75 cumulative GPA, a 2.75 major GPA, and a grade of C or better in all courses applied toward degree requirements.

Teacher Certification (Physical Education)

The following programs are available for students who desire to prepare for the teaching profession: physical education all-grade major (P-12); physical education minor; and a health and safety education minor. To be recommended for licensure, teaching majors will also complete one of the Education Licensure minors offered in the Department of Teacher Education.

Physical Education (Teaching) Major

50 hours; C or better required on all courses; 2.75 major GPA required

Students seeking the Physical Education Teaching major complete 46 hours in the major, plus either the P-12 Education Licensure minor or the Secondary Education Licensure minor.

- KIN 281 - Personal Health Science **Credits: 3**
- KIN 282 - CPR and Sports Injury Prevention **Credits: 2**
- KIN 291 - Motor Behavior **Credits: 2**
- PET 292 - Principles of Teaching Dance and Aquatics **Credits: 2**
- PET 293 - Teaching Developmental Activities **Credits: 4**
- PET 294 - Principles of Teaching Dual and Team Sports **Credits: 3**
- PET 371 - Applied Biomechanics and Exercise Physiology **Credits: 3**
- PET 388 - School Health **Credits: 3**
- PET 392 - Adapted Physical Education **Credits: 3**
- PET 395 - Curriculum Construction in Physical Education **Credits: 3**
- PET 396 - Teaching Secondary Physical Education **Credits: 4**

- PET 402 - Controversial Issues in Health Education **Credits: 3**
- PET 442 - Community Health **Credits: 3**
- PET 471 - Assessment Strategies in Physical Education **Credits: 3**
- KIN 492 - Contemporary Issues in Sport and Exercise **Credits: 3**
- PET 493 - Emotional Health of Children in Sport **Credits: 3**
- PET 494 - Program Planning and Evaluation in Health Education **Credits: 3**

P-12 Education Licensure minor

Students seeking a teaching major that leads to licensure in all grades (P-12) are required to complete the P-12 Education Licensure Minor.

Sport Management Major, B.A./B.S.

46 hour sport management core + 6 hours of business electives + 18 hour sport-related track

2.5 cumulative GPA required

The major in Sport Management prepares students for entry-level positions within a variety of sport and recreation settings. Graduates will find employment opportunities in collegiate and professional sport organizations, recreation centers and non-profit agencies, sport media and marketing agencies, municipal park and recreation departments, sport manufacturers, teams, fitness clubs, theme parks and consulting firms. Examples of potential professional sport management positions include, but are not limited to, university recreational sport positions, sport media positions, corporate and commercial fitness management, United States Olympic Organization positions, sport entertainment, retail sport positions with companies such as Dick's Sporting Goods, Nike, and Adidas, and coaching positions within the NCAA, MLB, and NFL. Graduates with a Bachelor of Science in Sport Management degree will be well prepared for graduate study in sport management and related fields. There are currently four distinct academic tracks for students to choose from: a) intercollegiate athletics, b) recreational sports, c) sport communication, and d) sport and business studies. This major is also designed to prepare student to continue their education at the graduate level.

Sport Management Core (46 hours)

C or better required in all sport management core courses:

- SPTM 228 - Principles and Applications of Sport Management **Credits: 3**
- SPTM 283 - Field Experience in Sport and Exercise **Credits: 1**
- SPTM 332 - Sport Facility Management **Credits: 3**
- SPTM 333 - Sport Marketing **Credits: 3**
- SPTM 334 - Sport Event Management **Credits: 3**
- SPTM 336 - Governance and Ethics in Sport **Credits: 3**
- SPTM 302 - Practicum in Recreational Sports **Credits: 3**
- SPTM 303 - Practicum in Intercollegiate Athletics **Credits: 3**
- SPTM 451 - Legal Aspects of Sport **Credits: 3**
- SPTM 452 - Sport Finance and Economics **Credits: 3**
- SPTM 453 - Diversity in Sport **Credits: 3**
- SPTM 491 - Managing Organizations for Sport and Physical Activity **Credits: 3**
- SPTM 492 - Contemporary Issues in Sport and Exercise **Credits: 3**
- SPTM 498 - Internship in Sport Management **Credits: 9**

Business Electives (6 hours)

Choose two courses from the following list:

- ECON 175 - Fundamentals of Economics **Credits: 3**
- MKTG 201 - Introduction to Marketing **Credits: 3**
- MKTG 313 - Services Marketing **Credits: 3**
- MKTG 332 - Consumer Behavior **Credits: 3**
- MKTG 334 - Promotional Strategy **Credits: 3**
- MKTG 344 - Personal Selling **Credits: 3**
- MNGT 201 - Survey of Management **Credits: 3**
- MNGT 315 - Management of Organizational Behavior **Credits: 3**
- MNGT 341 - Human Resource Management **Credits: 3**
- MNGT 352 - Entrepreneurship Ideation and Innovation **Credits: 3**
- MNGT 444 - Managing Diversity in Organizations **Credits: 3**

Sport-Related Track (18 hours)

Choose one track from the following options:

Intercollegiate Athletics

- SPTM 225 - Principles of Intercollegiate Athletic Administration **Credits: 3**
- SPTM 226 - Principles and Problems of Coaching **Credits: 3**
- SPTM 288. - Introduction to Sport Communication **Credits: 3**
- SPTM 335 - Sport Publicity and Promotion **Credits: 3**
- SPTM 482 - NCAA Compliance and Institutional Control **Credits: 3**
- PSY 377 - Sport Psychology **Credits: 3**

Recreational Sports

- SPTM 223 - Principles of Recreation **Credits: 3**
- SPTM 226 - Principles and Problems of Coaching **Credits: 3**
- SPTM 263 - Outdoor Adventure Education **Credits: 2**
- SPTM 288. - Introduction to Sport Communication **Credits: 3**
- SPTM 337 - Recreational Sports Administration **Credits: 3**
- PET 493 - Emotional Health of Children in Sport **Credits: 3**

Choose one officiating course:

- KIN 232 - Officiating of Baseball **Credits: 1**
- KIN 234 - Officiating of Volleyball **Credits: 1**
- KIN 237 - Officiating of Basketball **Credits: 1**
- KIN 238 - Officiating of Soccer **Credits: 1**

Sport Communication

- SPTM 288. - Introduction to Sport Communication **Credits: 3**
- SPTM 335 - Sport Publicity and Promotion **Credits: 3**
- SPTM 353 - Sport Blogging and Social Media **Credits: 3**
- RTV 255 - Media Production **Credits: 3**
- RTV 356 - Sportscasting **Credits: 3**
- JRN 384 - Feature Writing **Credits: 3**

Sport and Business Studies

Select **9 hours** of sport management (SPTM) coursework, plus **9 additional hours** of business coursework from the list of business electives.

Coaching Minor

30 hours

Required Courses (27 hours)

- BIOL 121 - Human Anatomy and Physiology I **Credits: 4**
- BIOL 122 - Human Anatomy and Physiology II **Credits: 4**
- EXSC 381 - Care and Prevention of Athletic Injuries **Credits: 3**
- EXSC 397 - Physiology of Exercise **Credits: 4**
- KIN 499 - Practicum in Physical Education **Credits: 3-5**
- NUTR 378 - Nutrition for Fitness and Sports **Credits: 3**
- PET 493 - Emotional Health of Children in Sport **Credits: 3**
- SPTM 226 - Principles and Problems of Coaching **Credits: 3**

Officiating Course (1 hour)

Select one:

- KIN 232 - Officiating of Baseball **Credits: 1**
- KIN 234 - Officiating of Volleyball **Credits: 1**
- KIN 237 - Officiating of Basketball **Credits: 1**
- KIN 238 - Officiating of Soccer **Credits: 1**

Coaching Course (2 hours)

Select one:

- KIN 432 - Coaching Baseball **Credits: 2**
- KIN 434 - Coaching Volleyball **Credits: 2**
- KIN 437 - Coaching Basketball **Credits: 2**
- KIN 438 - Coaching Soccer **Credits: 2**

Health and Safety Education Minor

25 hours; 2.75 minor GPA required

Required Courses (17 hours)

- KIN 281 - Personal Health Science **Credits: 3**
- KIN 282 - CPR and Sports Injury Prevention **Credits: 2**
- PET 388 - School Health **Credits: 3**
- PET 402 - Controversial Issues in Health Education **Credits: 3**
- PET 442 - Community Health **Credits: 3**
- PET 494 - Program Planning and Evaluation in Health Education **Credits: 3**

Electives (8 hours)

Choose from:

- KIN 284 - Stress Management **Credits: 2**
- KIN 286 - Safety Education **Credits: 2**
- KIN 390 - Special Topics in Kinesiology **Credits: 1-3**
- PET 493 - Emotional Health of Children in Sport **Credits: 3**
- HP 255 - Human Sexuality: A Health Perspective **Credits: 3**
- HP 265 - Alcohol And Drug Abuse: A Health Perspective **Credits: 3**
- HP 378 - Community Health Education Methods **Credits: 3**

- NUTR 376 - Principles and Applications in Nutrition **Credits: 3 or**
- NUTR 378 - Nutrition for Fitness and Sports **Credits: 3**

- NUTR 396 - Nutrition Throughout the Lifecycle **Credits: 3**

Intercollegiate Athletics Minor

Required Courses (18 hours)

- SPTM 225 - Principles of Intercollegiate Athletic Administration **Credits: 3**
- SPTM 226 - Principles and Problems of Coaching **Credits: 3**
- SPTM 288. - Introduction to Sport Communication **Credits: 3**
- SPTM 335 - Sport Publicity and Promotion **Credits: 3**
- SPTM 482 - NCAA Compliance and Institutional Control **Credits: 3**
- PSY 377 - Sport Psychology **Credits: 3**

Personal Trainer Minor

Required Courses (25 hours)

- EXSC 397 - Physiology of Exercise **Credits: 4**

- EXSC 484 - Exercise Testing and Prescription **Credits: 3**
- EXSC 487 - Principles and Applications of Fitness Training **Credits: 3**
- EXSC 488 - Program Design for Healthy and Special Populations **Credits: 3**
- KIN 385 - Methods of Group Exercise Instruction **Credits: 3**
- KIN 485 - Methods of Personal Training **Credits: 3**
- KIN 495 - Personal Training Certification Review **Credits: 3**
- NUTR 378 - Nutrition for Fitness and Sports **Credits: 3**

Physical Education Teaching Minor

24 hours; 2.75 minor GPA required

Teacher Certification (Physical Education)

The following programs are available for students who desire to prepare for the teaching profession: physical education all-grade major (P-12); physical education minor; and a health and safety education minor. To be recommended for licensure, teaching majors will also complete one of the Education Licensure minors offered in the Department of Teacher Education.

Required Courses (17 hours)

- KIN 282 - CPR and Sports Injury Prevention **Credits: 2**
- KIN 291 - Motor Behavior **Credits: 2**
- PET 392 - Adapted Physical Education **Credits: 3**
- PET 395 - Curriculum Construction in Physical Education **Credits: 3**

- PET 293 - Teaching Developmental Activities **Credits: 4 or**
- PET 396 - Teaching Secondary Physical Education **Credits: 4**

- PET 371 - Applied Biomechanics and Exercise Physiology **Credits: 3 or**
- EXSC 397 - Physiology of Exercise **Credits: 4**

Activities Courses (7 hours)

Select one activities course from each category

Team

- KIN 132 - Softball **Credits: 1**
- KIN 134 - Volleyball **Credits: 1**
- KIN 137 - Basketball **Credits: 1**
- KIN 138 - Soccer **Credits: 1**

Individual/Dual

- KIN 112 - Badminton **Credits: 1**
- KIN 114 - Golf **Credits: 1**
- KIN 118 - Table Tennis **Credits: 1**

- KIN 122 - Bowling **Credits: 1**
- KIN 123 - Tennis **Credits: 1**
- KIN 151 - Introduction to Karate **Credits: 1**
- KIN 199 - Special Activities **Credits: 1** (Approved topics include: Disc Golf; Frisbee Golf; Taekwondo)

Dance

- KIN 155 - Dance Activities **Credits: 1**
- KIN 199 - Special Activities **Credits: 1** (Approved topic: Zumba)

Aquatics

- KIN 141 - Beginning Swimming **Credits: 1**
- KIN 142 - Advanced Swimming **Credits: 1**
- KIN 143 - Aquatic Exercise **Credits: 1**
- KIN 145 - Scuba **Credits: 1**

Adventure

- KIN 124 - Rock Climbing **Credits: 1**
- KIN 125 - Advanced Rock Climbing **Credits: 1**
- KIN 161 - Fishing **Credits: 1**
- KIN 162 - Hiking and Outdoor Education **Credits: 1**
- KIN 163 - Sailing **Credits: 1**
- KIN 199 - Special Activities **Credits: 1** (Approved topics: Advanced Rock Climbing; Backpacking; Bicycling; Canoeing; Caving; Flat Water Kayaking; Rock Climbing; White Water Rafting)

Fitness

- KIN 181 - Aerobics **Credits: 1**
- KIN 182 - Weight Training **Credits: 1**
- KIN 183 - Aerobic Dance **Credits: 1**
- KIN 185 - Step Aerobics **Credits: 1**
- KIN 199 - Special Activities **Credits: 1** (Approved topics: Body Sculpting; Body Smart; Boot Camp; Cardio Funk; Cardiokickboxing; Exercise Buffet; Pilates; Spinning; Trail Exercise; Yoga; Zumba)

Additional Activity

Select one additional advisor approved activity course to improve deficiencies, based on physical activity assessment

Recreational Sports Minor

18 hours

Required Courses (17 hours)

- SPTM 223 - Principles of Recreation **Credits: 3**
- SPTM 226 - Principles and Problems of Coaching **Credits: 3**
- SPTM 263 - Outdoor Adventure Education **Credits: 2**
- SPTM 288. - Introduction to Sport Communication **Credits: 3**
- SPTM 337 - Recreational Sports Administration **Credits: 3**
- PET 493 - Emotional Health of Children in Sport **Credits: 3**

Officiating (1 hour)

Select one course from:

- KIN 232 - Officiating of Baseball **Credits: 1**
- KIN 234 - Officiating of Volleyball **Credits: 1**
- KIN 237 - Officiating of Basketball **Credits: 1**
- KIN 238 - Officiating of Soccer **Credits: 1**

Sport Communication Minor

Required Courses (21 hours)

- SPTM 288. - Introduction to Sport Communication **Credits: 3**
- SPTM 333 - Sport Marketing **Credits: 3**
- SPTM 335 - Sport Publicity and Promotion **Credits: 3**
- SPTM 353 - Sport Blogging and Social Media **Credits: 3**
- JRN 281 - Basic Reporting **Credits: 3**
- RTV 255 - Media Production **Credits: 3**
- RTV 356 - Sportscasting **Credits: 3**

Sport Management Minor

Required Courses (24 hours)

- SPTM 226 - Principles and Problems of Coaching **Credits: 3**
- SPTM 228 - Principles and Applications of Sport Management **Credits: 3**
- SPTM 332 - Sport Facility Management **Credits: 3**
- SPTM 333 - Sport Marketing **Credits: 3**
- SPTM 334 - Sport Event Management **Credits: 3**
- SPTM 335 - Sport Publicity and Promotion **Credits: 3**
- SPTM 491 - Managing Organizations for Sport and Physical Activity **Credits: 3**
- SPTM 492 - Contemporary Issues in Sport and Exercise **Credits: 3**

Strength and Conditioning Minor

Required Courses (22 hours)

- SPTM 226 - Principles and Problems of Coaching **Credits: 3**
- EXSC 475 - Strength and Conditioning Techniques **Credits: 3**
- EXSC 476 - Training Science **Credits: 3**
- EXSC 477 - Testing and Evaluation of Athletes **Credits: 3**
- EXSC 478 - National Strength and Conditioning Certified Strength and Conditioning Specialist Exam Review **Credits: 1**
- NUTR 378 - Nutrition for Fitness and Sports **Credits: 3**

- PSY 377 - Sport Psychology **Credits: 3** or
- PSY 261 - Lifespan Developmental Psychology **Credits: 3**

- EXSC 496 - Practicum in Exercise Science **Credits: 3-6** (3 credits required)

Coaching Endorsement

17-18 hours

NOTE: endorsements will not appear on official university transcripts.

Required Courses (13 hours)

- SPTM 226 - Principles and Problems of Coaching **Credits: 3**
- EXSC 381 - Care and Prevention of Athletic Injuries **Credits: 3**
- EXSC 383 - Kinesiology **Credits: 3**
- EXSC 397 - Physiology of Exercise **Credits: 4**

Select two courses (4-5 hours)

- KIN 342 - Water Safety Instructor **Credits: 2**
- KIN 432 - Coaching Baseball **Credits: 2**
- KIN 434 - Coaching Volleyball **Credits: 2**
- KIN 437 - Coaching Basketball **Credits: 2**
- KIN 438 - Coaching Soccer **Credits: 2**

Mathematics

All students who enroll in math classes at USI are given an opportunity to increase their level of mathematical knowledge, to improve their analytical and problem-solving skills, and to develop an appreciation for the applicability of mathematics. Since the mathematical requirements of the student population differ depending on the individual's particular educational goals, the Department of Mathematics has designed a variety of programs of study as well as specific courses to meet these needs. Programs are offered for students in four distinct areas: students seeking a major in mathematics, mathematics - actuarial track or mathematics teaching; students pursuing minors in mathematics or statistics; students requiring a course to satisfy the mathematics component of Core 39; and students completing a program of study outside the Department of Mathematics, but having one or more mathematics requirements within their major.

Mathematics courses are sequential; therefore, the Department of Mathematics has mandatory placement and/or prerequisites for all mathematics courses. Students are only permitted to enroll in those courses for which they have successfully fulfilled all of the prerequisites. Prerequisite courses may not be taken Pass/ No Pass. After a student has completed a course successfully, he or she may not enroll in a prerequisite course without the approval of the chair of the department. Entering freshmen may take advanced placement tests and receive credit by examination in certain specified courses. For further information, students should contact the Office of Admission.

The mathematics foundational component of Core 39 may be satisfied by successfully completing MATH 107, MATH 111, MATH 114, MATH 215 or MATH 230 .

Degree Programs

Students majoring in mathematics are assigned an advisor from the tenured/tenure-track faculty of the department and are required to consult with this advisor before each registration period. Students majoring in mathematics may pursue either a Bachelor of Science or a Bachelor of Arts degree by completing the requirements outlined in Core 39. Throughout the remainder of this section the reference to upper-level courses relates to courses numbered 251 or above, with the exception of MATH 291, MATH 391, MATH 392, MATH 393, MATH 436 (elective for statistics minor only), and MATH 375.

Mathematics Major, Actuarial Track, B.A./B.S.

61 hours

The curriculum leading to a degree in mathematics with an actuarial emphasis is designed to prepare the student for a career as an applied mathematician in the actuarial field. The validation by educational experiences (VEE) of the Society of Actuaries (SOA) and the Casualty Actuarial Society (CAS) are met by courses in economics, applied statistics, and corporate finance. Individuals may apply for the VEE credit after completion of the required coursework (with a minimum grade of B in each course), and after passing two SOA/CAS actuarial exams. MATH 438 will provide the foundation for Exam P/1 and MATH 375 will provide the foundation for Exam FM/2.

Mathematics Core (27 hours)

- MATH 230 - Calculus I **Credits: 4**
- MATH 235 - Calculus II **Credits: 4**
- MATH 253 - Principles of Mathematical Logic **Credits: 3**
- MATH 335 - Calculus III **Credits: 4**
- MATH 362 - Linear Algebra **Credits: 3**
- MATH 410 - Introduction to Analysis **Credits: 3**
- MATH 412 - Modern Abstract Algebra I **Credits: 3**
- MATH 438 - Theory of Probability **Credits: 3**

Courses Required for the Actuarial Track (25 hours)

- CS 201 - Introduction to Object-Oriented Programming Using Java **Credits: 3**
- ECON 208 - Principles of Microeconomics **Credits: 3**
- ECON 209 - Principles of Macroeconomics **Credits: 3**
- FIN 305 - Business Finance **Credits: 3 ***
- FIN 461 - Financial Management **Credits: 3**
- MATH 375 - Interest Theory and Mathematical Finance **Credits: 4**
- MATH 475 - Regression and Time Series **Credits: 3**

- MATH 441 - Mathematical Statistics **Credits: 3**

Note(s):

* There are five prerequisite courses (ECON 208, ECON 209, ECON 265, ACCT 201, ACCT 202) for FIN 305. MATH 241 will be substituted for ECON 265.

Elective Courses (9 hours)

Select nine hours from the upper-level course offerings in mathematics, as directed by advisor (excluding MATH 291, MATH 391, MATH 392, MATH 393, MATH 436).

Mathematics Major, B.A./B.S.

42 hours

The curriculum leading to a degree in mathematics is rooted in a foundation of calculus, mathematical logic, probability, linear algebra, abstract algebra, and analysis. The student's selection of a minimum of fifteen hours of electives from pure and applied mathematics courses allows for diversity of specialization. These topics introduce students to a broad range of mathematical concepts and ideas that challenge and develop their intellectual skills. Experiences from several of these courses provide insight into the applicability and power of mathematics to a variety of problems.

Mathematics Core (27 hours)

- MATH 230 - Calculus I **Credits: 4**
- MATH 235 - Calculus II **Credits: 4**
- MATH 253 - Principles of Mathematical Logic **Credits: 3**
- MATH 335 - Calculus III **Credits: 4**
- MATH 362 - Linear Algebra **Credits: 3**
- MATH 410 - Introduction to Analysis **Credits: 3**
- MATH 412 - Modern Abstract Algebra I **Credits: 3**
- MATH 438 - Theory of Probability **Credits: 3**

Elective Courses (15 hours)

Select fifteen hours from the upper-level course offerings in mathematics, as directed by advisor (excluding MATH 291, MATH 391, MATH 392, MATH 393, MATH 436, and MATH 375).

Mathematics Teaching Major, B.A./B.S.

48 hours

Students completing a teaching major must earn at least a 2.75 cumulative GPA, a 2.75 major GPA, and a grade of C or better in all courses applied toward degree requirements.

Students pursuing a degree in Mathematics Teaching (grades 5-12) will complete all requirements for a degree in mathematics plus additional courses required for mathematics teaching majors. Successful completion of this degree will prepare students for a career in teaching mathematics in grades 5-12. Students seeking an Indiana teaching license must complete all requirements as mandated by the state.

Mathematics Core (27 hours)

- MATH 230 - Calculus I **Credits: 4**
- MATH 235 - Calculus II **Credits: 4**
- MATH 253 - Principles of Mathematical Logic **Credits: 3**
- MATH 335 - Calculus III **Credits: 4**
- MATH 362 - Linear Algebra **Credits: 3**
- MATH 410 - Introduction to Analysis **Credits: 3**
- MATH 412 - Modern Abstract Algebra I **Credits: 3**
- MATH 438 - Theory of Probability **Credits: 3**

Courses Required for Math Teaching Majors (12 hours)

- MATH 291 - Mathematics for Secondary Teachers **Credits: 3**
- MATH 391 - The Teaching of Mathematics in Grades 5-12 **Credits: 3**
- MATH 323 - College Geometry **Credits: 3**
- MATH 492 - History of Mathematics **Credits: 3**

Elective Courses (9 hours)

Select nine hours from the upper-level course offerings in mathematics, as directed by advisor (excluding MATH 392, MATH 393, MATH 436 and MATH 375).

Secondary Education Licensure minor

Students seeking a teaching major that leads to licensure as a secondary school teacher (grades 5-12) are required to complete the Secondary Education Licensure Minor.

Mathematics Minor

21 hours

Required Courses (12 hours)

- MATH 230 - Calculus I **Credits: 4**
- MATH 235 - Calculus II **Credits: 4**
- MATH 335 - Calculus III **Credits: 4**

Elective Courses (9 hours)

Select nine hours of upper-level mathematics offerings, as directed by advisor (excluding MATH 291, MATH 391, MATH 392, MATH 393, MATH 436 and MATH 375)..

Mathematics Minor, Secondary Education

27 hours; 2.75 minor GPA required

The Mathematic Minor, Secondary Education is designed to prepare students for the secondary-level state-mandated licensure exam; this minor does not automatically extend certification to the secondary level.

Required Courses

- MATH 230 - Calculus I **Credits: 4**
- MATH 253 - Principles of Mathematical Logic **Credits: 3**
- MATH 323 - College Geometry **Credits: 3**
- MATH 235 - Calculus II **Credits: 4**
- MATH 335 - Calculus III **Credits: 4**
- MATH 412 - Modern Abstract Algebra I **Credits: 3**
- MATH 438 - Theory of Probability **Credits: 3**
- MATH 492 - History of Mathematics **Credits: 3**

Mathematics Teaching Minor, Elementary & Middle-Level

31-34 hours; 2.75 minor GPA required

The elementary and middle-level mathematics minor builds on the elementary education mathematics minor and reflects more depth of content designed to strengthen the prospective teachers' understanding of mathematics and broaden their understanding of mathematical connections between grade levels. The elementary and middle-level mathematics minor is designed to prepare students for the state-mandated licensure exam for middle-level mathematics. The minor does not automatically extend certification to the middle grades.

Required Courses (10-12 hours)

- MATH 103 - Mathematics for Elementary Teachers I **Credits: 3**
- MATH 203 - Mathematics for Elementary Teachers II **Credits: 4**

One of the following based on placement score

- MATH 115 - Pre-Calculus Mathematics **Credits: 3 or**
- MATH 118 - Comprehensive Pre-Calculus **Credits: 5**

Additional Required Courses (21-22 hours)

- MATH 213 - Algebraic Concepts for Teachers **Credits: 3**
- MATH 215 - Survey of Calculus **Credits: 3 or**
- MATH 230 - Calculus I **Credits: 4**
- MATH 236 - Geometry and Measurement for Teachers **Credits: 3**
- MATH 238 - Data Analysis and Probability for Teachers **Credits: 3**
- MATH 253 - Principles of Mathematical Logic **Credits: 3**
- MATH 392 - The Teaching of Elementary School Mathematics **Credits: 3**
- MATH 393 - Pedagogical Knowledge for Teaching Mathematics **Credits: 3**

Mathematics Teaching Minor, Elementary School

All courses must be completed with a grade of 'C' or better with an overall gpa of 2.75 or higher in the courses satisfying this minor.

25-27 hours

Required Courses (10-12 hours)

- MATH 103 - Mathematics for Elementary Teachers I **Credits: 3**
- MATH 203 - Mathematics for Elementary Teachers II **Credits: 4**

One of the following based on placement score*

- Core Foundational Math Course

Additional Required Courses (15 hours)

- MATH 213 - Algebraic Concepts for Teachers **Credits: 3**
- MATH 236 - Geometry and Measurement for Teachers **Credits: 3**
- MATH 238 - Data Analysis and Probability for Teachers **Credits: 3**
- MATH 392 - The Teaching of Elementary School Mathematics **Credits: 3**
- MATH 393 - Pedagogical Knowledge for Teaching Mathematics **Credits: 3**

Statistics Minor

24 hours

The availability of sophisticated, inexpensive technology has resulted in numerous data sets pertinent to life science, physical science, social science, engineering, and business. As a result, students who bolster their knowledge of statistical methods and theory will enhance their career options. The coursework for this degree will introduce students to probability and statistical theory as well as a variety of statistical-analysis techniques.

Required Courses (15 hours)

- MATH 230 - Calculus I **Credits: 4**
- MATH 235 - Calculus II **Credits: 4**
- MATH 335 - Calculus III **Credits: 4**
- MATH 438 - Theory of Probability **Credits: 3**

Additional Required Courses (9 hours)

If your major is Mathematics, Math Teaching, or Engineering, only one of the following courses can apply toward the major:

- MATH 436 - Intermediate Statistics and Quality **Credits: 3** or

- ENGR 436 - Intermediate Statistics and Quality **Credits: 3**
- MATH 441 - Mathematical Statistics **Credits: 3**
- MATH 475 - Regression and Time Series **Credits: 3**

Note:

MATH 436 cannot be used as a math upper-level elective.

Teacher Education

The Department of Teacher Education focuses on preparing expert practitioners who know their students, their subject-area content, and pedagogy. Effective practitioners learn these abilities through professional study and by mastering the profession's knowledge base, skills, and dispositions of practice. Clinical practice provides robust opportunities to develop practitioners through expertly mentored experiences in the field and through pedagogically designed practical experiences. A clinically based approach gives teacher candidates the opportunity to integrate theory into practice, to develop and test classroom management and pedagogical skills, to hone their use of evidence in making professional decisions about practice, and to understand and integrate the standards of their professional community.

The Department of Teacher Education offers the following programs:

- undergraduate majors in early childhood education, elementary education, and special education
- undergraduate minors in secondary and all-grade teaching for those with appropriate content majors
- minors in special education, reading, early childhood education, and instructional technology
- the Associate of Science degree program in early childhood education
- Master of Science in Education with several concentration areas including school administration (see Graduate Bulletin)
- licensure in building-level administration

Since 1973, Teacher Education at the University of Southern Indiana has been accredited by the National Council for Accreditation of Teacher Education (NCATE) www.ncate.org. This accreditation covers all initial licensure programs and our advanced programs in education. However, the accreditation does not include individual education courses that the institution offers to P-12 educators for professional development, re-licensure, or other purposes. All initial licensure programs are approved by the Indiana Department of Education. The Early Childhood Education program and the Elementary Education program are nationally recognized by their specialty professional associations.

Procedures and Regulations for Students in Teaching Programs

Admission to Teacher Education is a process that confirms a teacher candidate's intent to pursue teacher licensure at the University of Southern Indiana in an education major or minor program. Access to designated advanced education courses is restricted to teacher candidates who have been formally admitted.

Applications must be submitted via the TK20 Data Management System. Perspective students who wish to progress through an education major or minor must purchase a subscription to the TK20 system. Information about TK20 is available on our website (www.usi.edu/science/teacher-education/tk20-campus-tools).

The following requirements must be met for admission to Teacher Education

A teacher candidate must

- Earn a minimum of 30 semester credit hours at the college level (100 level or above)
- Earn a cumulative grade point average of 2.75 or higher

- Earn a major and minor grade point average of 2.75 or higher
- Earn a C or better in all courses leading to the degree
- Achieve a score of 220 on each section of the Core Academic Skills Assessment (CASA). The CASA requirement may be waived if the teacher candidate has a SAT combined score of 1100 or higher (Critical Reading and Mathematics) OR ACT composite score of 24 or higher OR a masters degree from a regionally accredited institution.
- Receive the recommendation of his/her major department (this may include an interview)
- Receive an acceptable criminal background check
- Submit an application using the TK20 system

Clinical Practice and Field Experiences

Clinical practice and field experiences provide opportunities for students to obtain extended realistic experiences in schools. The full-time program of co-teaching makes possible meaningful contacts with all aspects of the teacher's work.

Clinical practice and field experiences provide opportunities for prospective teachers to work in classroom settings during their entire teacher education program. These experiences are provided in conjunction with each phase of the teacher education programs.

Teacher candidates participate in classroom teaching, faculty planning, extra class activities, and school-community enterprises. The co-teaching program is designed to help the teacher candidate develop a working philosophy of education and acquire the basic skills needed to enter the profession of teaching. **Co-teaching requires admission to the Synthesis Phase and application for school/clinical site placement.**

Application for Student Teaching

At the beginning of the spring semester of the year preceding the year in which a student plans to student teach, the student is required to file an application for student teaching. Information is available on the University web site under Teacher Education. To be eligible for admission to student teaching, a student must have a 2.75 or higher grade point average overall, in the major and minor. The student must earn a grade of C or higher in all courses leading to the degree.

Early Childhood Education (Non-Licensure) Major, B.A./B.S.

Early Childhood Education (Non-Licensure) - Bachelor of Science/Bachelor of Arts Degree Requirements

Students who desire a bachelor's degree but who do not want a teaching license (such as Head Start teachers and child care providers) may declare the early childhood non-licensure major. The major is intended for non-traditional students who are currently employed as pre-school teachers or child care providers. It is not an appropriate major for traditional students.

Non-Licensure Major Grade & GPA Requirement

Students completing a non-licensure major must earn at least a 2.75 cumulative GPA, a 2.75 major GPA, and a grade of C or better in all courses applied toward degree requirements.

Early Childhood (Non-Licensure) Core 39 Requirements - BS: 40 credit hours/BA: 43 credit hours

Within Core 39, early childhood education majors are required to complete specific courses as indicated in the chart below to meet content requirements for early childhood education (non-licensure).

Foundations (14 hours)

Composition I	ENG 101 - Rhetoric and Composition I: Literacy and the Self	3 hours
Composition II	ENG 201 - Rhetoric and Composition II: Literacy and the World	3 hours
Communication	Choose one of: CMST 101 - Introduction to Public Speaking or CMST 107 - Introduction to Interpersonal Communication	3 hours
Mathematics	MATH 114 - Quantitative Reasoning	3 hour
Physical Activity and Wellness	KIN 192 - Concepts in Wellness and Fitness	1 hour
First Year Experience	UNIV 101 - First Year Experience	1 hour

Civic and Cultural Awareness (13 hours) - 4 Categories of Ways of Knowing

Creative and Aesthetic Expression	Select one: ART 104 - Design in Materials ART 201 - Introduction to Visual Arts ENG 105 - Introduction to Literature ENG 285 - Introduction to Film	3 hours
Historical Inquiry	Choose one of: HIST 101 - The United States to 1865 or HIST 102 - The United States since 1865	3 hours
Social Inquiry	EDUC 221 - Diversity and Equity in Education	3 hours
World Languages & Culture	Choose one of: HUM 211 - World Humanities I or HUM 241 - The Humanistic Tradition in Literature I HUM 241 - The Humanistic Tradition in Literature I	3 hours

HUM 242 - The Humanistic Tradition in Literature II

Bachelor 's Degree (Bachelor of Science: 14 hours; Bachelor of Arts: 17 hours)

World Language & Culture	GEOG 330 - World Geography	3 hours
Natural Science with Lab	BIOL 108 - Biology for Educators AND GEOG 108 - Earth-Space Science for Educators	4 hours
Natural Science with Lab	CHEM 108 - Chemistry for Educators AND PHYS 108 - Physics for Educators	4 hours
Social Science	Social Science Elective	3 hours

Students may pursue a BA degree by completing modern language courses (ARAB/CHIN/FREN/GERM/JPN/LATN/SPAN) 101, 102, 203, and 204. For the BA degree GEOG 330 and the social science elective may be omitted. However, the 8 hours of science is still required.

Embedded Experiences (may be core, major and/or elective courses)

Diversity	EDUC 221 - Diversity and Equity in Education
Global	GEOG 330 - World Geography
Writing	EDUC 221 - Diversity and Equity in Education AND Any Core 39 or Major course that meets the writing embedded criteria

Other Content Requirements (3 credit hours)

In addition to Core 39, candidates are required to complete the following content courses:

- MATH 103 - Mathematics for Elementary Teachers I **Credits: 3**

Early Childhood Education Requirements (48 credit hours)

- EDUC 203 - Introduction to Children's Literature **Credits: 3**
- EDUC 214 - Instructional Technology in Education **Credits: 3**
- EDUC 241 - Early Childhood Education **Credits: 3**
- EDUC 242 - Growth and Development: Early Childhood **Credits: 3**
- EDUC 246 - Language and Literacy in the Early Years **Credits: 3**
- EDUC 255 - Growth and Development: Infants and Toddlers **Credits: 3**
- EDUC 256 - Guidance of Young Children **Credits: 3**
- EDUC 261 - Special Needs: Early Childhood Education **Credits: 3**
- EDUC 344 - Family, School, Community Partnerships **Credits: 3**
- EDUC 351 - Music, Movement, Play, and Expressive Arts **Credits: 3**
- EDUC 355 - Practicum in Early Childhood Education **Credits: 3**

- EDUC 356 - Teaching Methods in Integrated Content Areas (Kindergarten-Primary) **Credits: 3**
- EDUC 386 - Early Childhood Curriculum and Instruction **Credits: 3**
- EDUC 490 - Special Topics in Education **Credits: 1-3** TBA: **3** hours required
EDUC 490 - Special Topics in Education: Internship (Credits: 3)
- LIBA 497 - Capstone Studies **Credits: 3**
The total number of credits required above is 91 for a BS degree and 94 for a BA degree. Students may pursue a minor of their choosing or select additional appropriate electives with the help of their advisors.

Early Childhood Education Major, B.A./B.S.

The student who desires to become a licensed early childhood teacher will complete the following minimum course of study that leads to a Bachelor of Science degree and the Indiana teaching license in the areas of (1) preschool and (2) elementary-primary (grades K-3). A Bachelor of Arts degree may be earned when the appropriate amount of credit in a foreign language is earned.

Teaching Major Grade & GPA Requirement

Students completing a teaching major must earn at least a 2.75 cumulative GPA, a 2.75 major GPA, and a grade of C or better in all courses applied toward degree requirements.

Early Childhood Education University Core 39 Requirements BS: 41 credit hours/BA: 44 credit hours

Within USI's Core 39, early childhood education majors are required to complete specific courses as indicated in the chart below to meet content requirements for licensure in early childhood education.

Foundations (14 hours)

Composition I	ENG 101 - Rhetoric and Composition I: Literacy and the Self	3 hours
Composition II	ENG 201 - Rhetoric and Composition II: Literacy and the World	3 hours
Communication	Choose one of: CMST 101 - Introduction to Public Speaking or CMST 107 - Introduction to Interpersonal Communication	3 hours
Mathematics	MATH 114 - Quantitative Reasoning	3 hour
Physical Activity and Wellness	KIN 192 - Concepts in Wellness and Fitness	1 hour
First Year Experience	UNIV 101 - First Year Experience	1 hour

Civic and Cultural Awareness (13 hours) - 4 Categories of Ways of Knowing

Historical Inquiry	Choose one of:	3 hours
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	HIST 101 - The United States to 1865 or HIST 102 - The United States since 1865	
Scientific & Mathematical Inquiry	MATH 203 - Mathematics for Elementary Teachers II (Note: MATH 103 is a prerequisite)	4 hours
Social Inquiry	EDUC 221 - Diversity and Equity in Education	3 hours
World Languages & Culture	Choose one of: HUM 211 - World Humanities I or HUM 241 - The Humanistic Tradition in Literature I HUM 241 - The Humanistic Tradition in Literature I HUM 242 - The Humanistic Tradition in Literature II	3 hours

Bachelor 's Degree (Bachelor of Science: 14 hours; Bachelor of Arts: 17 hours)

World Language & Culture	GEOG 330 - World Geography	3 hours
Natural Science with Lab	BIOL 108 - Biology for Educators AND GEOL 108 - Earth-Space Science for Educators	4 hours
Natural Science with Lab	CHEM 108 - Chemistry for Educators AND PHYS 108 - Physics for Educators	4 hours
Social Science	Social Science Elective	3 hours

Students may pursue a BA degree by completing modern language courses (ARAB/CHIN/FREN/GERM/JPN/LATN/SPAN) 101, 102, 203, and 204. For the BA degree, the social science elective may be omitted. However, GEOG 330 and the 8 hours of science are still required.

Embedded Experiences (may be core, major and/or elective courses)

Diversity	EDUC 221 - Diversity and Equity in Education
Global	GEOG 330 - World Geography
Writing	EDUC 221 - Diversity and Equity in Education AND EDUC 458 - Seminar in Professional Education

Additional Content Courses (6 hours)

- MATH 103 - Mathematics for Elementary Teachers I **Credits: 3**

Choose one of:

- HIST 111 - World Civilizations I, Beginnings to 1500 **Credits: 3**
- HIST 112 - World Civilizations II, 1500-Present **Credits: 3**

Early Childhood Education Requirements (54 hours)

In addition to Core 39 and content requirements, candidates are required to complete the following professional education courses:

- EDUC 203 - Introduction to Children's Literature **Credits: 3**
- EDUC 241 - Early Childhood Education **Credits: 3**
- EDUC 242 - Growth and Development: Early Childhood **Credits: 3**
- EDUC 246 - Language and Literacy in the Early Years **Credits: 3**
- EDUC 255 - Growth and Development: Infants and Toddlers **Credits: 3**
- EDUC 256 - Guidance of Young Children **Credits: 3**
- EDUC 261 - Special Needs: Early Childhood Education **Credits: 3**
- EDUC 344 - Family, School, Community Partnerships **Credits: 3**
- EDUC 351 - Music, Movement, Play, and Expressive Arts **Credits: 3**
- EDUC 355 - Practicum in Early Childhood Education **Credits: 3**
- EDUC 356 - Teaching Methods in Integrated Content Areas (Kindergarten-Primary) **Credits: 3**
- EDUC 386 - Early Childhood Curriculum and Instruction **Credits: 3**
- EDUC 398 - Reading Methods **Credits: 3**
- EDUC 431 - Supervised Student Teaching in Early Childhood Education **Credits: 3-9**
- EDUC 437 - Classroom Management through Data-based Decision Making **Credits: 3**
- EDUC 458 - Seminar in Professional Education **Credits: 3**

Content Area Minor (24 hours)

The early childhood education major requires completion of a content area teaching minors. The requirements listed above total 101 credits, leaving 19 hours to devote to a minor. Any content area teaching minor approved by an advisor may fulfill this requirement. However, only the minors listed below can be completed within 120 credit hours.

- Mathematics Teaching Minor (Elementary)
- Reading Teaching Minor
- Science Teaching Minor
- Social Studies Teaching Minor

Check with your advisor for other possibilities.

Elementary Education Major, B.A./ B.S.

The program in Elementary Education will successfully prepare candidates with concentration in both professional education and pedagogy and content area expertise. Building upon the general education provided in the Core 39, candidates will be given the opportunity to learn and demonstrate developmentally appropriate literacy practices; differentiated instructional practices with special attention to English as a New Language and exceptional needs; classroom and behavior management processes; data-based curriculum, instruction, and assessment strategies; and developmentally and culturally responsive practices that utilize a variety of instructional technologies. The candidate who desires to become an elementary school teacher will complete the following program requirements resulting in a Bachelor of Science. (Note: A Bachelor of Arts degree is available but the number of credits may exceed 120 hours.)

Teaching Major Grade & GPA Requirement

Students completing a teaching major must earn at least a 2.75 cumulative GPA, a 2.75 major GPA, and a grade of C or better in all courses applied toward degree requirements.

Elementary Education Core 39 Requirements (41 hours)

Within Core 39, elementary education majors are required to complete specific courses as indicated in the chart below to meet content requirements for licensure in the elementary school setting (K-6).

Foundations (14 hours)

Composition I	ENG 101 - Rhetoric and Composition I: Literacy and the Self	3 hours
Composition II	ENG 201 - Rhetoric and Composition II: Literacy and the World	3 hours
Communication	Choose one of: CMST 101 - Introduction to Public Speaking or CMST 107 - Introduction to Interpersonal Communication	3 hours
Mathematics	MATH 114 - Quantitative Reasoning	3 hours
Physical Activity and Wellness	KIN 192 - Concepts in Wellness and Fitness	1 hour
FYE	UNIV 101 - First Year Experience	1 hour

Civic and Cultural Awareness (13 hours) - 4 Categories of Ways of Knowing

Historical Inquiry	Choose one of: HIST 101 - The United States to 1865 HIST 102 - The United States since 1865	3 hours
Scientific and Mathematical Inquiry	MATH 203 - Mathematics for Elementary Teachers II (Note: MATH 103 is a prerequisite)	4 hours
Social Inquiry	EDUC 221 - Diversity and Equity in Education	3 hours
World Languages and Culture	Choose one of: HUM 211 - World Humanities I	3 hours

HUM 212 - World Humanities II

HUM 241 - The Humanistic Tradition in Literature I

HUM 242 - The Humanistic Tradition in Literature II

Bachelor of Science (14 hours)

World Language and Culture	GEOG 330 - World Geography	3 hours
Natural Science with Lab	BIOL 108 - Biology for Educators AND GEOL 108 - Earth-Space Science for Educators	4 hours
Natural Science with Lab	CHEM 108 - Chemistry for Educators AND PHYS 108 - Physics for Educators	4 hours
Social Science	Social Science Elective	3 hours

Students may pursue a BA degree by completing modern language courses (ARAB/CHIN/FREN/GERM/JPN/LATN/SPAN) 101, 102, 203, and 204. For a BA degree, GEOG 330 and the social science elective may be omitted. However the 8 hours of science is still required.

Embedded Experiences (in core, major, and/or elective courses)

Diversity	EDUC 221 - Diversity and Equity in Education
Global	EDUC 381 - Literacy, Language, and Culture
Writing	EDUC 221 - Diversity and Equity in Education AND EDUC 458 - Seminar in Professional Education

Other Content Requirements (8 hours)

In addition to Core 39, candidates are required to complete the following content courses for licensure in the elementary school setting (K-6).

- PET 287 - Physical Education and the Elementary School Classroom Teacher **Credits: 2**
- MATH 103 - Mathematics for Elementary Teachers I **Credits: 3**
Choose one of:
- HIST 111 - World Civilizations I, Beginnings to 1500 **Credits: 3**
- HIST 112 - World Civilizations II, 1500-Present **Credits: 3**

Elementary Education Requirements - 57 hours

In addition to the Core 39 and content requirements, candidates are required to complete the following professional education courses for licensure in the elementary school setting (K-6).

- EDUC 203 - Introduction to Children's Literature **Credits: 3**
- EDUC 206 - Introduction to Exceptionalities **Credits: 3**
- EDUC 214 - Instructional Technology in Education **Credits: 3**
- EDUC 292 - Explorations in Elementary Education **Credits: 3**
- EDUC 354 - Practicum in Elementary Education **Credits: 3**
- EDUC 357 - Fine Arts in the Elementary School **Credits: 3**
- EDUC 373 - Teaching Science in the Elementary School **Credits: 3**
- EDUC 378 - Literacy Methods I **Credits: 3**
- EDUC 381 - Literacy, Language, and Culture **Credits: 3**
- EDUC 382 - Elementary Analysis of Curriculum and Instruction **Credits: 3**
- EDUC 388 - Teaching Social Studies in the Elementary School **Credits: 3**
- MATH 392 - The Teaching of Elementary School Mathematics **Credits: 3**
- EDUC 398 - Reading Methods **Credits: 3**
- EDUC 413 - Exceptional Needs Instructional Strategies I **Credits: 3**
- EDUC 437 - Classroom Management through Data-based Decision Making **Credits: 3**
- EDUC 458 - Seminar in Professional Education **Credits: 3**
- EDUC 471 - Supervised Student Teaching in Elementary Education **Credits: 3-9**

Content Area Minor Requirement

The elementary education major requires completion of a content area teaching minor. Any content area teaching minor approved by an advisor may fulfill this requirement. However, only the minors listed below can be completed within 120 credit hours:

- Mathematics Teaching Minor (Elementary)
- Reading Teaching Minor
- Science Teaching Minor
- Social Studies Teaching Minor

Check with your advisor for other possibilities.

Secondary and All-Grades Education Teaching Majors

Students who wish to obtain a license to teach in grades 5-8 must major in one of the following areas and complete a secondary education minor.

Major areas include

- Business
- English (Language Arts)
- Mathematics
- Science: chemistry, earth sciences, life sciences (biology), and physics
- Social Studies: candidates are licensed in historical perspectives (other areas may be added).

With a major in one of the following areas and an all-grades education minor, students may be eligible for a P-12 teaching licence.

- French Studies

- German Studies
- Spanish Studies
- Physical Education
- Visual Arts

For lists of course requirements for majors, see either the appropriate sections in the Bulletin or personnel in the respective departments.

Special Education Major, B.A./B.S.

The student who desires to become a special education teacher will complete the following minimum course of study that leads to a Bachelor of Science degree and initial practitioner Indiana license in exceptional needs: mild intervention. Special education majors are encouraged to also complete a "highly qualified" teaching minor.

Teaching Major Grade & GPA Requirement

Students completing a teaching major must earn at least a 2.75 cumulative GPA, a 2.75 major GPA, and a grade of C or better in all courses applied toward degree requirements.

Special Education Core 39 Requirements - 41 credit hours

Within Core 39, special education majors are required to complete specific courses as indicated in the chart below to meet content requirements for licensure in special education.

Foundations (14 hours)

Composition I	ENG 101 - Rhetoric and Composition I: Literacy and the Self	3 hours
Composition II	ENG 201 - Rhetoric and Composition II: Literacy and the World	3 hours
Communication	Choose one of:	
	CMST 101 - Introduction to Public Speaking - or	3 hours
	CMST 107 - Introduction to Interpersonal Communication	
Mathematics	MATH 114 - Quantitative Reasoning	3 hours
Physical Activity and Wellness	KIN 192 - Concepts in Wellness and Fitness	1 hour
FYE	UNIV 101 - First Year Experience	1 hour

Civic and Cultural Awareness (13 hours) - 4 Categories of Ways of Knowing

Historical Inquiry	Choose one of:	3 hours
	HIST 101 - The United States to 1865	
	HIST 102 - The United States since 1865	

Scientific and Mathematical Inquiry	MATH 203 - Mathematics for Elementary Teachers II (Note: MATH 103 is a prerequisite)	4 hours
Social Inquiry	EDUC 221 - Diversity and Equity in Education	3 hours
World Languages and Culture	Choose one of: HUM 211 - World Humanities I HUM 212 - World Humanities II HUM 241 - The Humanistic Tradition in Literature I HUM 242 - The Humanistic Tradition in Literature II	3 hours

Bachelor of Science (14 credits)

World Language and Culture	GEOG 330 - World Geography	3 hours
Natural Science with Lab	BIOL 108 - Biology for Educators AND GEOL 108 - Earth-Space Science for Educators	4 hours
Natural Science with Lab	CHEM 108 - Chemistry for Educators AND PHYS 108 - Physics for Educators	4 hours
Social Science	Social Science Elective	3 hours

Students may pursue a BA degree by completing modern language courses (ARAB, CHIN/FREN/GERM/JPN/LATN/SPAN) 101, 102, 203, and 204. For a BA degree, the social science elective may be omitted. However, GEOG 330 and the 8 hours of science are still required.

Embedded Experiences (in core, major and/or elective courses)

Diversity	EDUC 221 - Diversity and Equity in Education
Global	GEOG 330 - World Geography

Writing

EDUC 221 - Diversity and Equity in Education AND

EDUC 458 - Seminar in Professional Education

Other Content Requirements

In addition to the Core 39 requirements, candidates are required to complete the following content courses for licensure in special education.

- MATH 103 - Mathematics for Elementary Teachers I **Credits: 3**

Professional Education Courses for Special Education (51 hours)

- EDUC 206 - Introduction to Exceptionalities **Credits: 3**
- EDUC 261 - Special Needs: Early Childhood Education **Credits: 3**

- EDUC 292 - Explorations in Elementary Education **Credits: 3 or**
- EDUC 283 - Explorations in Secondary Education **Credits: 3**

- EDUC 315 - Management for Students with Exceptional Needs **Credits: 3**
- EDUC 408 - Teaching Reading to Students with Special Needs **Credits: 3**
- EDUC 411 - Legal and Contemporary Issues Related to Exceptional Needs **Credits: 3**
- EDUC 412 - Evaluation and Exceptionality: Assessment, Interpretation and Instructional Design **Credits: 3**
- EDUC 413 - Exceptional Needs Instructional Strategies I **Credits: 3**
- EDUC 418 - Exceptional Needs Instructional Strategies II **Credits: 3**
- EDUC 421 - Exceptional Needs Practicum I: Elementary **Credits: 3**
- EDUC 422 - Exceptional Needs Practicum II: Secondary **Credits: 3**
- EDUC 423 - Collaborative Partnerships **Credits: 3**
- EDUC 437 - Classroom Management through Data-based Decision Making **Credits: 3**
- EDUC 458 - Seminar in Professional Education **Credits: 3**
- EDUC 424 - Supervised Student Teaching in Special Education **Credits: 3-9**

Content Area Minor Requirement

In order to be considered "highly qualified" in an area, candidates must complete an established minor in a content area typically taught in P-12 schools. Candidates may minor in elementary education or early childhood education but will only be considered "highly qualified" at those grade levels. The highly qualified status is not required for licensure but it is required for employment.

The candidate must complete the courses listed above and earn 120 credit hours to graduate.

Early Childhood Education Content Area Minor

24 hours; 2.75 minor GPA required

This minor is for students who hold or are working toward a teaching license in something other than early childhood education and wish to add an early childhood "content" minor. This program includes preparation for teaching in the early childhood (P-3)

setting. Students interested in acquiring a license to teach in the early childhood setting should see the University's teacher licensing advisor in the Department of Teacher Education for program information.

Course Requirements (24 hours)

- EDUC 241 - Early Childhood Education **Credits: 3**
- EDUC 242 - Growth and Development: Early Childhood **Credits: 3**
- EDUC 255 - Growth and Development: Infants and Toddlers **Credits: 3**
- EDUC 256 - Guidance of Young Children **Credits: 3**
- EDUC 344 - Family, School, Community Partnerships **Credits: 3**
- EDUC 351 - Music, Movement, Play, and Expressive Arts **Credits: 3**
- EDUC 355 - Practicum in Early Childhood Education **Credits: 3**
- EDUC 386 - Early Childhood Curriculum and Instruction **Credits: 3**

Elementary Education Content (K-6) Minor

24 hours; 2.75 minor GPA required

This minor is for students who hold or are working toward a teaching license in something other than elementary education and wish to add an elementary "content" minor. This program includes preparation for teaching in the elementary school setting (K-6). Students interested in acquiring a license to teach in the elementary school setting should see the University's teacher licensing advisor in the Department of Teacher Education for program information.

Course Requirements (24 hours)

- EDUC 203 - Introduction to Children's Literature **Credits: 3**
- EDUC 206 - Introduction to Exceptionalities **Credits: 3**
- EDUC 373 - Teaching Science in the Elementary School **Credits: 3** *
- EDUC 378 - Literacy Methods I **Credits: 3** *
- EDUC 388 - Teaching Social Studies in the Elementary School **Credits: 3** *
- EDUC 398 - Reading Methods **Credits: 3**
- MATH 392 - The Teaching of Elementary School Mathematics **Credits: 3** *
- EDUC 354 - Practicum in Elementary Education **Credits: 3**

Note(s):

* Students are required to have concurrent enrollment in two of these courses.

Instructional Technology Minor

24 hours; 2.75 minor GPA required

This program prepares a candidate to serve as a technology leader at the building or district level. See the Licensing Advisor for information about the Instructional Technology Content Area.

Required Courses (15 hours)

- EDUC 214 - Instructional Technology in Education **Credits: 3**
- EDUC 465 - Instructional Technology Integration **Credits: 3**
- EDUC 466 - Authoring Educational Multimedia Resources **Credits: 3**
- EDUC 467 - The Internet in Education **Credits: 3**
- EDUC 468 - Instructional Technology Administration **Credits: 3**

Required Practicum (3 hours)

Students enroll in a year-long practicum, taking EDUC 469 in the fall as 1 credit hour, then taking EDUC 469 again in the spring as 2 credit hours:

- EDUC 469 - Special Topics in Computer Education **Credits: 1-3** (take twice)

Electives (6 hours)

Contact the Teacher Education Licensing Advisor to select approved courses.

P-12 Education Licensure Minor

27 hours; C or better required in all classes; 2.75 minor GPA required

This minor is for candidates pursuing a degree in a content area in which a P-12 teaching license is desired (e.g., physical education, visual arts, French, German, Spanish).

Course Requirements (27 hours)

- EDUC 206 - Introduction to Exceptionalities **Credits: 3**
- EDUC 221 - Diversity and Equity in Education **Credits: 3**
- EDUC 292 - Explorations in Elementary Education **Credits: 3**
- EDUC 383 - Secondary Analysis of Curriculum and Pedagogy **Credits: 3**
- EDUC 384 - Advanced Clinical Experiences in Secondary Schools **Credits: 3**
- EDUC 463 - Professional Issues in Education **Credits: 3**
- EDUC 473 - Supervised Student Teaching in Secondary or P-12 Education **Credits: 3-9** (must be taken for 9 hours)

Reading - Teaching Minor

24 hours; C or better required in all classes; 2.75 minor GPA required

This program has been designed to prepare the student for professional work in the area of reading. The minor in reading is an excellent area of specialization for both prospective elementary and secondary teachers.

Course Requirements (24 hours)

Foundations of Literacy

- EDUC 203 - Introduction to Children's Literature **Credits: 3**
- EDUC 378 - Literacy Methods I **Credits: 3**

Diagnosis and Correction of Reading Difficulties

- EDUC 398 - Reading Methods **Credits: 3**
- EDUC 455 - Diagnostic Teaching of Reading **Credits: 3**

Literacy and Diversity

- EDUC 204 - Teaching Writing in Diverse Classrooms, K-8: Research-based Practices Across the Curriculum **Credits: 3**
- EDUC 381 - Literacy, Language, and Culture **Credits: 3**

Electives in Reading (choose two courses)

- EDUC 408 - Teaching Reading to Students with Special Needs **Credits: 3**
- EDUC 313 - Advanced Children's Literature **Credits: 3**
- EDUC 314 - Young Adult Literature **Credits: 3**
- EDUC 440 - Current Trends in Reading **Credits: 3**
- EDUC 480 - Diversity in Children's Literature **Credits: 3**

One of the following:

- ENG 105 - Introduction to Literature **Credits: 3**
- ENG 255 - Introduction to British Literary History **Credits: 3**
- ENG 265 - Introduction to American Literary History **Credits: 3**
- ENG 330 - Ethnic Literature in America **Credits: 3**

Secondary Education Licensure Minor

27 hours; C or better required in all classes; 2.75 minor GPA required

This minor is for students completing a content major such as English, Mathematics, Science or Social Studies (History).

Course Requirements (27 hours)

- EDUC 206 - Introduction to Exceptionalities **Credits: 3**
- EDUC 221 - Diversity and Equity in Education **Credits: 3**
- EDUC 283 - Explorations in Secondary Education **Credits: 3**
- EDUC 383 - Secondary Analysis of Curriculum and Pedagogy **Credits: 3**
- EDUC 384 - Advanced Clinical Experiences in Secondary Schools **Credits: 3**
- EDUC 463 - Professional Issues in Education **Credits: 3**
- EDUC 473 - Supervised Student Teaching in Secondary or P-12 Education **Credits: 3-9** (must be taken for 9 hours)

Special Education Minor

24 hours; C or better required in all classes; 2.75 minor GPA required

The program allows a teaching candidate to add exceptional needs mild intervention content area minor in conjunction with an early childhood education, elementary education, or a middle/high school content area teaching major.

Required Core Coursework (15 hours)

- EDUC 206 - Introduction to Exceptionalities **Credits: 3**
- EDUC 315 - Management for Students with Exceptional Needs **Credits: 3**
- EDUC 408 - Teaching Reading to Students with Special Needs **Credits: 3**
- EDUC 411 - Legal and Contemporary Issues Related to Exceptional Needs **Credits: 3**
- EDUC 412 - Evaluation and Exceptionality: Assessment, Interpretation and Instructional Design **Credits: 3**

Developmental Focus - choose one area:

Early Childhood (9 hours)

- EDUC 413 - Exceptional Needs Instructional Strategies I **Credits: 3**
- EDUC 421 - Exceptional Needs Practicum I: Elementary **Credits: 3**
- EDUC 359 - Practicum Topics in Early Childhood Education **Credits: 1-3** (take as 3 hours)

Elementary (9 hours)

- EDUC 413 - Exceptional Needs Instructional Strategies I **Credits: 3**
- EDUC 421 - Exceptional Needs Practicum I: Elementary **Credits: 3**
- EDUC 423 - Collaborative Partnerships **Credits: 3**

Secondary (9 hours)

- EDUC 418 - Exceptional Needs Instructional Strategies II **Credits: 3**
- EDUC 422 - Exceptional Needs Practicum II: Secondary **Credits: 3**
- EDUC 423 - Collaborative Partnerships **Credits: 3**

Early Childhood Education Major, A.S.

Early Childhood Education

The University of Southern Indiana offers both bachelor's and associate's degree programs to prepare teachers of young children.

Associate Degree

The Early Childhood Education associate degree requires a grade of C or better in all courses applied toward degree requirements, a 2.50 cumulative GPA, and a 2.50 major GPA.

The Associate of Science degree in early childhood education is a program designed to give prospective preschool teachers and child care workers the understanding in child development and the practical experiences needed to work effectively with young children. Students who complete this program will be prepared for employment in public school child care facilities, and other child care facilities such as day care centers, day care homes, private and cooperative nursery schools, church-affiliated programs, and Head Start classrooms. Students completing the associate degree also would be eligible to apply many of the completed courses toward a bachelor's degree in early childhood education or elementary education.

Early Childhood Education – Associate Degree Requirements

Core 39

Foundations (14 credit hours)

- ENG 101 - Rhetoric and Composition I: Literacy and the Self **Credits: 3**
- ENG 201 - Rhetoric and Composition II: Literacy and the World **Credits: 3**

- CMST 101 - Introduction to Public Speaking **Credits: 3 or**
- CMST 107 - Introduction to Interpersonal Communication **Credits: 3**

- MATH 114 - Quantitative Reasoning **Credits: 3**
- KIN 192 - Concepts in Wellness and Fitness **Credits: 1**
- UNIV 101 - First Year Experience **Credits: 1**

Civic and Cultural Awareness

Categories of Ways of Knowing (9 credit hours)

Creative and Aesthetic Expression

Select one:

- ART 104 - Design in Materials **Credits: 3**
- ART 201 - Introduction to Visual Arts **Credits: 3**
- ENG 105 - Introduction to Literature **Credits: 3**
- ENG 285 - Introduction to Film **Credits: 3**

Historical Inquiry

- HIST 101 - The United States to 1865 **Credits: 3 or**
- HIST 102 - The United States since 1865 **Credits: 3**

Social Inquiry

- EDUC 221 - Diversity and Equity in Education **Credits: 3** (must select)

World Languages and Culture

One of the following:

- HUM 211 - World Humanities I **Credits: 3**
- HUM 212 - World Humanities II **Credits: 3**
- HUM 241 - The Humanistic Tradition in Literature I **Credits: 3**
- HUM 242 - The Humanistic Tradition in Literature II **Credits: 3**

Associate of Science

Associate of Science (7 credits): Must choose 4 hours of science plus either World Language and Culture or Social Science elective.

World Language and Culture

- GEOG 330 - World Geography **Credits: 3**

Natural Science with Lab

Choose two:

- BIOL 108 - Biology for Educators **Credits: 2**
- CHEM 108 - Chemistry for Educators **Credits: 2**
- GEOL 108 - Earth-Space Science for Educators **Credits: 2**
- PHYS 108 - Physics for Educators **Credits: 2**

Social Science

- Social Science Elective

Embedded Experiences

(in core, major, and/or elective courses)

- Diversity - EDUC 221 - Diversity and Equity in Education
- Global - HUM or GEOG requirement
- Writing - EDUC 221 - Diversity and Equity in Education

Professional Education (30 hours)

- EDUC 203 - Introduction to Children's Literature **Credits: 3**
- EDUC 241 - Early Childhood Education **Credits: 3**
- EDUC 242 - Growth and Development: Early Childhood **Credits: 3**
- EDUC 246 - Language and Literacy in the Early Years **Credits: 3**
- EDUC 255 - Growth and Development: Infants and Toddlers **Credits: 3**

- EDUC 256 - Guidance of Young Children **Credits: 3**
- EDUC 261 - Special Needs: Early Childhood Education **Credits: 3**
- EDUC 344 - Family, School, Community Partnerships **Credits: 3**
- EDUC 355 - Practicum in Early Childhood Education **Credits: 3**
- EDUC 386 - Early Childhood Curriculum and Instruction **Credits: 3**

Division of Outreach and Engagement

www.usi.edu/outreach

Dr. Mark C. Bernhard, Associate Provost

Lee Ann Shafer, M.S. Ed., Academic Program Manager/BGS Advisor

Bachelor of General Studies Degree Program

Individualized Studies Concentration

The individualized studies concentration of the Bachelor of General Studies (BGS) degree program is designed to serve students who wish to pursue an interdisciplinary or applied baccalaureate degree program. BGS students pursuing an individualized studies concentration will work closely with an advisor to design a program of study to meet individual educational and career objectives. The flexibility of the individualized studies concentration will enable students to tailor educational experiences to meet personal goals, broaden their appreciation of the arts and sciences, enhance career skills and competencies, and increase career opportunities and choices.

Applied Studies Concentrations

The applied studies concentrations of the Bachelor of General Studies program are intended for individuals beyond the traditional college age with significant work experience and a strong desire to earn a degree relevant to career goals. BGS students pursuing an applied studies concentration will do so in an accelerated, cohort format (excluding the technical supervision and leadership concentration). Students in the public service and enterprising leadership concentrations will take a set curriculum in order to satisfy degree completion. Students can pursue a BGS in the public service or enterprising leadership concentration after completing sixty (60) credit hours and fulfilling the University of Southern Indiana Core 39 (not including the embedded experiences). The BGS applied studies concentrations are designed for students to gain specialized knowledge for practical application in either the public or private sector.

For additional information, contact Outreach & Engagement at 812/464-1863 or visit www.usi.edu/extserv/academic/bgs.asp.

Requirements for the degree

- All University general admission requirements, academic policies, and academic standards for other baccalaureate degree programs apply to the BGS program.
- All students seeking the degree Bachelor of General Studies must fulfill Core 39 requirements. Core 39 requirements are listed elsewhere in this bulletin.
- At least 39 hours must be at the upper division (300-400) level.
- A minimum of 30 hours of credit toward the degree must be earned at USI.
- Students seeking admission to the BGS program should make application to the USI Office of Admission. Students pursuing an individualized study concentration can declare the major immediately upon entering the University. Students pursuing an applied studies concentration (public service or enterprising leadership) must have

earned sixty (60) credit hours and fulfill the University of Southern Indiana Core 39, not including the embedded experiences, before applying to the BGS applied studies program. Due to the accelerated, cohort nature of the applied studies concentrations, students wishing to pursue this degree program must be accepted into the program by the BGS program director. The required sixty (60) credit hours can be earned at USI, transferred in from other accredited universities, or take the form of block credit based on an assessment of competencies (i.e., military experience).

- Students must have a cumulative undergraduate grade point average of 2.0 on a 4.0 scale in order to be considered for admission into one of the applied studies concentrations. Students cannot declare an individualized studies program of study with below a 2.0 cumulative undergraduate grade point average on a 4.0 scale.
- Up to six hours of credit may be earned through an occupational experience (BGS 490 General Studies Internship).
- Individualized Studies Concentration: BGS students who select the individualized studies option will work closely with an advisor to design a program of study to meet individual educational and career objectives. This flexible program enables students to create their own "major," utilizing courses from two or more academic disciplines. Previous hours earned at other institutions will be evaluated according to USI transfer policies.
- Applied Studies Concentration: This option is for students who have completed a formal associate degree program or have amassed considerable college credit. In order to be admitted into this concentration, applicants must have completed the USI Core 39 (not including embedded experiences) and have accumulated at least sixty (60) credit hours of college credit.
- Up to 60 hours may be transferred from associate degree programs, depending on the transferability of specific courses or programs. For technical degrees and/or certificates, credit may be awarded as a block (not a recognition of individual courses for transfer). The amount of credit awarded will be determined by the BGS program director.

Applied Studies Option for Graduates of Apprenticeships in Selected Building Trades

Through a partnership with the Indiana building trades apprenticeship and training programs and Ivy Tech Community College, the USI Bachelor of General Studies Program recognizes the technical training and the Associate of Applied Science (AAS) degree as a significant milestone toward the bachelor's degree. Prospective students who have completed an apprenticeship program in selected building trades and hold an AAS from Ivy Tech are eligible to pursue the Applied Studies option with a concentration in Technical Supervision and Leadership or Business Development. In addition to the required courses for one of the following concentrations, students must complete all USI Core 39 requirements even if meeting the requirements means the student graduates with more than the minimum hours required for a baccalaureate degree. Students are encouraged to work closely with the BGS advisor to avoid duplication of coursework.

Applied Studies Major, B.G.S.

Applied Studies Major, Bachelor of General Studies

BGS students pursuing an applied studies concentration in either public service or enterprising leadership will do so in an accelerated, cohort format. Students in both of those applied studies concentrations will take a set curriculum in order to satisfy degree completion. Students can pursue a BGS in either public service or enterprising leadership after completing sixty (60) credit hours and fulfilling the University of Southern Indiana Core 39 (not including the embedded experiences). The BGS applied studies concentrations are designed for students to gain specialized knowledge for practical applications in either the public or private sector. The technical supervision and leadership concentration was created to satisfy a regional need for graduates of apprenticeships in selected building trades.

B.G.S. Degree Requirements

- All University general admission requirements, academic policies, and academic standards for other baccalaureate degree programs apply to the BGS program.
- All students seeking the degree Bachelor of General Studies must fulfill Core 39 requirements. Core 39 requirements are listed elsewhere in this bulletin.
- At least 39 hours must be at the upper division (300-400) level.
- A minimum of 30 hours of credit toward the degree must be earned at USI.
- Students seeking admission to the BGS program should make application to the USI Office of Admission. Students pursuing an individualized study concentration can declare the major immediately upon entering the University. Students pursuing an applied studies concentration (public service or enterprising leadership) must have earned sixty (60) credit hours and fulfill the University of Southern Indiana Core 39, not including the embedded experiences, before applying to the BGS applied studies program. Due to the accelerated, cohort nature of the applied studies concentrations, students wishing to pursue this degree program must be accepted into the program by the BGS program director. The required sixty (60) credit hours can be earned at USI, transferred in from other accredited universities, or take the form of block credit based on an assessment of competencies (i.e., military experience).
- Students must have a cumulative undergraduate grade point average of 2.0 on a 4.0 scale in order to be considered for admission into one of the applied studies concentrations. Students cannot declare an individualized studies program of study with below a 2.0 cumulative undergraduate grade point average on a 4.0 scale.
- Up to six hours of credit may be earned through an occupational experience (BGS 490 General Studies Internship).
- Individualized Studies Concentration: BGS students who select the individualized studies option will work closely with an advisor to design a program of study to meet individual educational and career objectives. This flexible program enables students to create their own "major," utilizing courses from two or more academic disciplines. Previous hours earned at other institutions will be evaluated according to USI transfer policies.
- Applied Studies Concentration: This option is for students who have completed a formal associate degree program or have amassed considerable college credit. In order to be admitted into this concentration, applicants must have completed the USI Core 39 (not including embedded experiences) and have accumulated at least sixty (60) credit hours of college credit.
- Up to 60 hours may be transferred from associate degree programs, depending on the transferability of specific courses or programs. For technical degrees and/or certificates, credit may be awarded as a block (not a recognition of individual courses for transfer). The amount of credit awarded will be determined by the BGS program director.

Public Service Concentration (60 credit hours)

Public Service Required Courses and Prerequisites (15 credit hours)

- POLS 202 - Introduction to Public Administration **Credits: 3**
- POLS 203 - Introduction to the Policy Process in the United States **Credits: 3**
- ENG 210 - Technical Writing **Credits: 3**
- ENG 319 - Fundamentals of Grant Writing **Credits: 3**
- POLS 363 - Public Organizational Behavior **Credits: 3**

Additional Courses (45 credit hours)

- GNDR 111 - Intro to Gender Studies **Credits: 3**
- MNGT 201 - Survey of Management **Credits: 3**
- CMST 214 - Group and Team Communication **Credits: 3**
- BGS 301 - The Ethics of Global Engagement **Credits: 3**
- CMST 314 - Organizational Communication **Credits: 3**

- POLS 351 - Leadership in Bureaucratic Organizations in the United States **Credits: 3**
- MNGT 444 - Managing Diversity in Organizations **Credits: 3**
- INST 470 - Special Topics in International, Interdisciplinary Studies **Credits: 3**
- INST 470 - Special Topics in International, Interdisciplinary Studies, **Credits: 3** (different topic)
- BGS 490 - General Studies Internship **Credits: 1-6** (must be a total of 6 hours)
- BGS 498 - Personal and Professional Development **Credits: 3**
Nine additional credit hours of advisor approved coursework is required, including six credit hours of practicum in public service.

Enterprising Leadership Concentration (60 credit hours)

Enterprising Leadership Required Courses (15 credit hours)

- PHIL 312 - Ethics in the Professions **Credits: 3**
- CMST 318 - Conflict, Mediation and Negotiation **Credits: 3**
- MNGT 352 - Entrepreneurship Ideation and Innovation **Credits: 3**
- MNGT 353 - Entrepreneurship Feasibility Analysis and Business Plan Development **Credits: 3**
- MNGT 354 - Strategic Entrepreneurship **Credits: 3**

Additional Courses (45 credit hours)

- GNDR 111 - Intro to Gender Studies **Credits: 3**
- MNGT 201 - Survey of Management **Credits: 3**
- CMST 214 - Group and Team Communication **Credits: 3**
- BGS 301 - The Ethics of Global Engagement **Credits: 3**
- CMST 314 - Organizational Communication **Credits: 3**
- POLS 351 - Leadership in Bureaucratic Organizations in the United States **Credits: 3**
- MNGT 444 - Managing Diversity in Organizations **Credits: 3**
- INST 470 - Special Topics in International, Interdisciplinary Studies **Credits: 3**
- INST 470 - Special Topics in International, Interdisciplinary Studies, **Credits: 3** (different topic)
- BGS 490 - General Studies Internship **Credits: 1-6** (a total of six hours required)
- BGS 498 - Personal and Professional Development **Credits: 3**
- Nine additional hours of advisor approved coursework is required, including six hours of enterprising leadership practicum experience

Applied Studies Option for Graduates of Apprenticeships in Selected Building Trades

Through a partnership with the Indiana building trades apprenticeship and training programs and Ivy Tech Community College, the USI Bachelor of General Studies Program recognizes the technical training and the Associate of Applied Science (AAS) degree as a significant milestone toward the bachelor's degree. Prospective students who have completed an apprenticeship program in selected building trades and hold an AAS from Ivy Tech are eligible to pursue the Applied Studies option with a concentration in Technical Supervision and Leadership. In addition to the required courses, students must complete all USI Core 39 requirements even if meeting the requirements means the student graduates with more than the minimum hours required for a baccalaureate degree. Students are encouraged to work closely with the BGS advisor to avoid duplication of coursework.

- MATH 111 - College Algebra **Credits: 4 and**

- MATH 112 - Trigonometry **Credits: 3**
or
- MATH 118 - Comprehensive Pre-Calculus **Credits: 5**

- CIS 151 - Computer Applications in Business **Credits: 3**
- ENGR 103 - Principles of Problem Solving **Credits: 3**
- ENGR 104 - Applied Problem Solving **Credits: 3**
- TECH 275 - Statistics and Safety in Manufacturing **Credits: 3**
- MNGT 201 - Survey of Management **Credits: 3**
- MNGT 315 - Management of Organizational Behavior **Credits: 3**
- CMST 314 - Organizational Communication **Credits: 3**
- ENGR 482 - Engineering Organization and Management **Credits: 3**
- MNGT 361 - Business Environmental Factors **Credits: 3**
- MNGT 341 - Human Resource Management **Credits: 3**
- MNGT 408 - Collective Bargaining and Industrial Relations **Credits: 3**
- BGS 490 - General Studies Internship **Credits: 1-6** (6 hour internship required)
- Directed Elective 300-400 level, **Credits: 3**

Individual Studies Concentration, B.G.S.

BGS students who select the individualized studies concentration will work closely with an advisor to design a program of study to meet individual educational and career objectives. This flexible program enables students to create their own "major," utilizing courses from two or more academic disciplines. Previous hours earned at other institutions will be evaluated according to USI transfer policies.

Bachelor of General Studies

The Bachelor of General Studies (BGS) degree program is designed to serve students who wish to pursue a broadly defined and/or individually designed baccalaureate program. BGS students will work closely with an advisor to design a program of study to meet individual educational and career objectives. The flexibility of the BGS degree will enable students to tailor educational experiences to meet personal goals, broaden their appreciation of the arts and sciences, enhance career skills and competencies, and increase career opportunities and choices. All BGS students must complete a set of requirements for the degree shown below.

B.G.S. Degree Requirements

- All University general admission requirements, academic policies, and academic standards for other baccalaureate degree programs apply to the BGS program.
- All students seeking the degree Bachelor of General Studies must fulfill Core 39 requirements. Core 39 requirements are listed elsewhere in this bulletin.
- At least 39 hours must be at the upper division (300-400) level.
- A minimum of 30 hours of credit toward the degree must be earned at USI.
- Students seeking admission to the BGS program should make application to the USI Office of Admission. Students pursuing an individualized study concentration can declare the major immediately upon entering the University. Students pursuing an applied studies concentration (public service or enterprising leadership) must have earned sixty (60) credit hours and fulfill the University of Southern Indiana Core 39, not including the embedded experiences, before applying to the BGS applied studies program. Due to the accelerated, cohort nature of the applied studies concentrations, students wishing to pursue this degree program must be accepted into the program by the BGS

program director. The required sixty (60) credit hours can be earned at USI, transferred in from other accredited universities, or take the form of block credit based on an assessment of competencies (i.e., military experience).

- Students must have a cumulative undergraduate grade point average of 2.0 on a 4.0 scale in order to be considered for admission into one of the applied studies concentrations. Students cannot declare an individualized studies program of study with below a 2.0 cumulative undergraduate grade point average on a 4.0 scale.
- Up to six hours of credit may be earned through an occupational experience (BGS 490 General Studies Internship).
- Individualized Studies Concentration: BGS students who select the individualized studies option will work closely with an advisor to design a program of study to meet individual educational and career objectives. This flexible program enables students to create their own "major," utilizing courses from two or more academic disciplines. Previous hours earned at other institutions will be evaluated according to USI transfer policies.
- Applied Studies Concentration: This option is for students who have completed a formal associate degree program or have amassed considerable college credit. In order to be admitted into this concentration, applicants must have completed the USI Core 39 (not including embedded experiences) and have accumulated at least sixty (60) credit hours of college credit.
- Up to 60 hours may be transferred from associate degree programs, depending on the transferability of specific courses or programs. For technical degrees and/or certificates, credit may be awarded as a block (not a recognition of individual courses for transfer). The amount of credit awarded will be determined by the BGS program director.

Military Science Minor

24 hours

In conjunction with the Army ROTC program, the Military Science minor offers students an opportunity to obtain a commission as a Second Lieutenant in the US Army. Students coming from a Junior ROTC program, or who are a member of the Indiana National Guard or US Army Reserve may choose to pursue the military science minor, but the program is also available to students without prior military service.

Introduction Basic (6 hours)

Students with prior military service should submit their DD-214 to the Office of the Registrar for evaluation. If credit is awarded, up to six hours general electives will apply toward the military science minor's six hour introduction requirement.

- MS 101 - Fundamental Military Concepts **Credits: 1**
- MS 102 - Basic Leadership **Credits: 1**
- MS 201 - Advanced Leadership and Management **Credits: 2**
- MS 202 - Leadership, Tactics and Officership **Credits: 2**

Required Core (12 hours)

- MS 301 - Small Unit Leadership **Credits: 3**
- MS 302 - Small Unit Operations **Credits: 3**
- MS 401 - Leadership, Management, and Ethics **Credits: 3**
- MS 402 - Transition to Lieutenant **Credits: 3**

Electives (6 hours)

Choose One Course (3 hours)

- MS 241 - U.S. Military History I (1740-1900) **Credits: 3**
- MS 242 - U.S. Military History II (1900-Present) **Credits: 3**
- HIST 303 - The American Revolution, 1740-1787 **Credits: 3**
- HIST 305 - Civil War America, 1848-1877 **Credits: 3**
- HIST 307 - The United States and World War, 1914-1945 **Credits: 3**
- HIST 348 - Europe, 1648 through Napoleon **Credits: 3**

Choose One Course (3 hours)

- 100-200 level POLS elective
- POLS 271 - International Politics **Credits: 3**
- POLS 305 - State and Local Government **Credits: 3**
- POLS 361 - Intergovernmental Relations in the United States **Credits: 3**
- POLS 371 - The United Nations **Credits: 3**
(or other course approved by military science advisor)

Reserve Officers Training Corps (ROTC)

The ROTC program builds students' leadership expertise, communication and decision-making skills, as well as self-confidence, all of which can be applied immediately while still in college or upon graduation from college. The leadership and management skills taught in ROTC are in high demand in the civilian market as well as in the military.

Instruction and training given both in the classroom and at Army installations range from strategic studies to tactical exercises and include subjects from air-land battle doctrine to rappelling, marksmanship, military history, and operational considerations. New lieutenants have options for the job (branch) in which they will work. Educational delays may be requested for graduate school in medical fields and in law. All grades received for Military Science courses are included in cumulative grade point ratios.

For more information call 812/461-5304 or 812/461-5302.

Military Science

Military Science

University Division

www.usi.edu/uni_div

Shelly Blunt, Ph.D., Assistant Provost for Academic Affairs

Michael "Brody" Broshears, M.S., Director of University Division

The mission of University Division is to facilitate USI students' academic success by helping students build a solid foundation for their college careers. University Division coordinates a variety of academic programs and services, including academic support services for all USI students and academic advising for students without a declared major or classified as non-degree seeking, guest, high school agreement, or conditionally admitted. The Division comprises University Division Advising, Academic Skills, Disability Resources, Career Counseling, and Student Support Services. For additional information visit www.usi.edu/Uni_Div/index.asp.

University Division Advising

The mission of University Division Advising is to provide academic services that enhance the connection between students and the University. Students who are undecided about a major enroll temporarily in University Division instead of enrolling in an academic major. University Division academic advisors offer guidance to those uncertain about their educational, career, and lifelong goals. Located in Education Center Room 1142, advisors are available to students 8 a.m. to 4:30 p.m., Monday through Friday. Call 812/465-1606.

Students are encouraged to declare an academic major as soon as possible. Students must declare a major before the first semester of their junior year. Transferring from University Division to an academic department can occur at any time during the exploratory period. However, some departments or programs may have additional requirements students must meet before declaration can be made.

Regular academic advising is particularly important for the long-term academic success of students currently exploring multiple career options. Therefore, all University Division students are required to see an academic advisor prior to registration each semester. Students in University Division receive specialized academic advising and are encouraged to participate in one or more career exploration experiences offered on campus. These services include individual career counseling through University Division Advisors, the GENS 111 Career Planning course, Career Cruising (an online career guidance and planning system), and other resources, i.e. -- Strong Interest Inventory (SII), personality types (MBTI) and Indiana Career Explorer (ICE).

Like all baccalaureate degree-seeking students, University Division students spend much of their first four semesters completing Core 39 courses, the nucleus of a liberal arts education. These courses help students become better problem solvers, better citizens, and more thoughtful human beings. These requirements and the special academic advice that University Division students receive establish a strong foundation for advanced study and encourage students to use their curiosity and enthusiasm to inquire into many realms of knowledge. University Division seeks to help students become more flexible, to see relationships among disciplines of study, and to develop the basis for lifelong learning and work.

Conditionally admitted students meet regularly with University Division advisors and take an academic support course (UNIV 101 - First Year Experience) to help them make a successful transition from secondary education to university work.

Academic Skills

The mission of Academic Skills is to enhance student success and the educational process at USI by providing academic support services through classes and a variety of learning assistance programs. Located in the Education Center, Room 1111, office hours during the fall and spring semesters are Monday through Thursday, 8 a.m. to 6 p.m., and Friday from 8 a.m. to 4:30 p.m. Peer tutoring is available at no cost to students. Check with the department for current tutoring schedules.

Placement Testing

Academic Skills administers math, foreign language, reading, and writing placement tests. Any required placement testing must be completed prior to advising and registration. Photo identification is required to test. Appointments are not necessary but can be scheduled by contacting Academic Skills at 812/464-1743 between the hours of 8 a.m. and 4:30 p.m., Monday through Friday. Students with disabilities requesting special accommodations must be registered with the Counseling Center, 812/464-1867, at least two weeks prior to scheduling an appointment for placement testing.

Math, reading, and writing placements are mandatory and GENS coursework should be completed by the end of the first year. Credit hours for all these courses count toward a student's full-time status, but not all of the classes offer academic credits. However, these courses save time, academic standing, and financial aid, all of which can be jeopardized if students try to advance to courses for which they are not prepared. For additional information on placement and testing, see page 12.

Tutoring

Academic Skills strives to provide the best services possible to help students succeed. Tutoring is available in a variety of subjects including accounting, biology, chemistry, economics, finance, geology, history, mathematics, modern languages, physics, psychology, sociology, study skills, and writing. All peer tutors complete a comprehensive training program. The mathematics, study skills, and writing tutors are all certified by the College Reading and Learning Association. No appointment is needed for most tutoring, although appointments are available with academic coaches and writing consultants. Students interested in becoming tutors should visit Academic Skills for more information.

Supplemental Instruction (SI)

SI is an academic support program that provides regularly scheduled, out-of-class review sessions to all students in a variety of courses. Facilitated by an SI leader (a student who has previously completed the course), the sessions provide an informal environment to review notes, discuss readings, and prepare for exams. By participating in SI study sessions, students can improve grades while learning effective study strategies that make efficient use of their study time, and, at the same time, make friends who also have strong academic goals.

Success Series Workshops

Success Series workshops are free 45-minute interactive workshops that focus on skills for mastering college-level course work and strategies for lifelong learning. Offered in the Education Center, Success Series workshops cover a wide variety of study strategies including note taking, test anxiety, time management, major/career exploration, and goal setting.

General Studies (GENS) Classes

University Division offers general studies (GENS) courses designed to prepare and enhance students' ability to meet the demands of college-level work. Non-credit courses in Algebra Review (GENS 097), Strategies for Writers (GENS 098), and Skills For College Reading (GENS 099) prepare students by giving them the skills essential for success in college classes. Academic Reading Strategies (GENS 151) is a three-hour elective credit course that helps students prepare for a university reading load. Academic Skills also offers one-hour elective credit courses that help students get off to a sound academic start.

Office of Disability Resources (ODR)

ODR coordinates services and academic accommodations for USI students with disabilities to ensure equal access to facilities, programs, services and resources of the university. Students with disabilities seeking accommodations (such as extra time on exams, accessible textbooks, note takers...) are encouraged to submit documentation of their disability to ODR at least 60 days prior to the date they will need accommodations. If you are uncertain as to the documentation that may be needed please call 812-464-1961 or visit our website at www.usi.edu/disabilities.

The Office of Disability Resources is located in the Orr Center, room 095. The office is open from 8-4:30pm Monday through Friday.

Student Support Services (SSS)

Student Support Services is one of the eight grant funded TRIO programs offered through the U.S. Department of Education. At USI, the SSS Program will help motivate 140 eligible students to successfully complete their degree. The SSS Program will provide students free comprehensive services through classroom instruction, academic skill development, academic assistance and career development, personal and financial aid counseling, and experiences designed to enhance the collegiate experience on USI's campus.

To receive assistance: students must be U.S. citizens or permanent residents of the U.S. and

- Meet a limited income criterion and/or,

- Be a first generation college student (neither natural parent residing in the household with the student has a four-year college degree) or,
- Have a documented learning or physical disability

Students must show academic need and also be willing to take full advantage of all support services offered by the program. Student Support Services is located in ED 1142. The office is open from 8-4:30pm Monday through Friday. If you are interested in participating in the program and meet the eligibility requirements please contact 812/228-5087 for more information.

Courses

ACCT 201 - Accounting Principles I

Credits: 3

Required: Business Core requirement for all business majors. A study of the principles of financial accounting and reporting as they relate to today's business environment. Both the procedures used and the concepts upon which they are based will be studied.

Prerequisite(s): CIS 151 or CIS 261, MATH 111, and must have completed at least 24 credit hours.

This course is part of the Core Transfer Library (CTL).

Indiana Statewide Common Course #: IPO 1801.

Term(s) Offered: Fall, Spring, Summer

ACCT 202 - Accounting Principles II

Credits: 3

Required: Business Core requirement for all business majors. Business Core requirement for all business majors. A study of managerial accounting information as it is used by managers in various types of business organizations. The emphasis is on the development, interpretation, and application of managerial accounting for planning activities, controlling operations, and making decisions.

Prerequisite(s): ACCT 201.

This course is part of the Core Transfer Library (CTL).

Indiana Statewide Common Course #: IPO 1802.

Term(s) Offered: Fall, Spring, Summer

ACCT 303 - Intermediate Accounting I

Credits: 3

Required: Required for all accounting majors. An intensive study and application of Generally Accepted Accounting Principles (GAAP) for asset valuation, income measurement, and financial statement presentation for business organizations, including the processes through which GAAP has evolved. The emphasis in this course is on the basic financial statements and related footnotes, the time value of money, the valuation and presentation of assets, current liabilities, and related income statement accounts, and other special accounting topics.

Prerequisite(s): ACCT 201, and ACCT 202.

Term(s) Offered: Fall, Spring

ACCT 304 - Intermediate Accounting II

Credits: 3

Required: Required for all accounting majors. A continuation of the intensive study and application of GAAP begun in ACCT 303. The emphasis in this course is on the valuation and presentation of long-term liabilities, stockholders equity, revenue, and related income statement accounts, footnote disclosures required by GAAP, and other special accounting topics.

Prerequisite(s): ACCT 303.

Term(s) Offered: Fall, Spring

ACCT 311 - Introduction to Federal Income Taxation

Credits: 3

Required: Required for all accounting majors. An introduction to federal tax theory and practice as applied to business entities. The emphasis is on the examination of the role of taxation in society (legal, social, economic), procedural rules and their application, and tax planning techniques.

Prerequisite(s): ACCT 202 and junior standing.

Term(s) Offered: Fall, Spring

ACCT 315 - Cost Accounting

Credits: 3

Required: Required for all accounting majors. The theory and practice of cost accounting with emphasis on its use for planning and control. It builds on the concepts of budgeting, standards, and profitability analysis introduced in ACCT 202.

Prerequisite(s): ACCT 202

Term(s) Offered: Fall, Spring

ACCT 390 - Individual Taxation Practicum

Credits: 3

This course provides students with the opportunity to serve the local community by preparing federal and state individual tax returns for low-income taxpayers, nonresident taxpayers, and other students. Students will gain hands-on experience in the operation of a Volunteer Income Tax Assistant site. Upon successful completion of the course, students will be able to use tax preparation software, interview clients, research tax issues, and perform quality reviews of prepared income tax returns.

Prerequisite(s): ACCT 311 or consent of instructor.

Repeatability: This course is repeatable for up to six hours of credit. Expanded responsibilities including some training and supervision of other students, will be expected of students who repeat the course.

Term(s) Offered: Spring

ACCT 401 - Advanced Accounting

Credits: 3

An intensive study of the theory and application of Generally Accepted Accounting Principles (GAAP) for specific advanced financial accounting entities, problems, and issues. Areas of emphasis include consolidated financial statements, accounting for investments in non-consolidated entities, segment and interim reporting, international accounting and reporting issues, not-for-profit accounting (including governmental accounting), and other special accounting problems and topics.

Prerequisite(s): ACCT 303 and ACCT 304.

Term(s) Offered: Fall, Spring

ACCT 411 - Advanced Federal Taxation

Credits: 3

A study of federal income tax as it relates to business entities, transfer taxes, and wealth planning. A review of Internal Revenue Code provisions and regulations will be made on topics relevant to tax professionals. This course builds on information learned in ACCT 311.

Prerequisite(s): ACCT 311.

Term(s) Offered: Fall, Spring

ACCT 413 - Accounting Information Systems

Credits: 3

Required: Required for all accounting majors. A study of organizations, their activities and processes, and the information needs of organizational stakeholders. The course emphasizes accounting data flows, the tools of designing accounting information systems, the use of computer technology in processing accounting transactions, and knowledge of internal control structures in effective accounting information systems.

Prerequisite(s): ACCT 303 and senior standing or consent of instructor.

Term(s) Offered: Fall, Spring

ACCT 415 - Auditing Theory and Practice

Credits: 3

Required: Required for all accounting majors. An overview of auditing as it is practiced in the USA. Emphasis is placed on understanding the functions of an audit, the ethical and professional standards that apply to auditors, legal liability issues, and the concepts of risk analysis, risk-based auditing, and statistical sampling.

Prerequisite(s): ACCT 303 and senior standing.

Term(s) Offered: Fall, Spring

ACCT 416 - Advanced Cost Accounting

Credits: 3

This course builds on the information learned in ACCT 315. It addresses the theory and practice of cost accounting with emphasis on cost allocation, joint products, transfer pricing, segment performance evaluation, accounting decision models and managerial accounting problems.

Prerequisite(s): ACCT 315.

ACCT 422 - Financial Report and Analysis

Credits: 3

Provides an understanding of the regulatory environment in which financial reporting and auditing take place in the USA. The course examines changes in the auditing profession over the past 25 years that contributed to the ethical and professional lapses associated with a number of financial failures (Enron, WorldCom, etc.), ethical challenges facing CPAs, current controversial issues in financial reporting, and an introduction to fraud auditing and forensic accounting.

Prerequisite(s): ACCT 415 (may be taken concurrently with consent of instructor).

Lab Fees: F

Term(s) Offered: Fall, Spring

ACCT 431 - CPA Review

Credits: 3

A review of current developments in accounting theory and practice with a study of approaches to the solution of problems on the CPA examination. Enrollment limited to senior-level accounting majors and practicing accountants. NOTE: Auditing of this course is not permitted.

Prerequisite(s): Consent of instructor.

ACCT 451 - Accounting for Investments I: Equity and Alternative Assets

Credits: 3

This course is the first in a two-course sequence and focuses on equity instruments and alternative assets as well as derivative instruments such as options or futures that are linked to equity instruments. This course also provides students with the technical skills and knowledge to analyze and report emerging new financial instruments for which there may not be a clear regulation.

Prerequisite(s): FIN 433

Term(s) Offered: Fall

ACCT 452 - Accounting for Investments II: Debt and Interest Rate Instruments

Credits: 3

This course is the second in this two-course sequence and focuses on accounting for fixed income securities and interest rate derivatives, private equity, managed futures, and some categories of real assets such as real estate. This course also provides students with the technical skills and knowledge to analyze and report new financial instruments for which there may not be a clear regulation.

Prerequisite(s): FIN 433 and ACCT 451

Term(s) Offered: Spring

ACCT 461 - Investment Accounting Operations, Regulations, and Compliance

Credits: 3

This course will explore accounting disclosure rules, regulatory, and compliance issues associated with alternative investments, such as investments on hedge funds, private equity funds, venture capital funds, real estate, and commodities, either directly or through funds of funds. The course will focus on operational aspects of alternative investments, emphasizing practical applications and providing opportunities for "hands-on" experiences.

Prerequisite(s): FIN 305

Term(s) Offered: Spring

ADV 101 - Introduction to Advertising

Credits: 3

Lecture materials and discussions will focus on all facets of advertising from the client's, the consumer's, and the creator's viewpoints. Methods and techniques used in print and audio/visual media will be studied.

Term(s) Offered: Fall, Spring

ADV 335 - Advertising Strategy

Credits: 3

Background in and understanding of the principles in advertising and using strategic reasoning to apply those principles to solve

problems and make strategic advertising decisions.

Prerequisite(s): ADV 101 (grade of C or better), ENG 101 (grade of C or better), and ENG 201 (grade of C or better).

Term(s) Offered: Fall, Spring

ADV 342 - Advertising Design

Credits: 3

A study of the techniques of market analysis, product strategy, copy writing, layout and design, and concept development for advertising.

Prerequisite(s): ADV 101 (grade of C or better), ENG 101 (grade of C or better), and ENG 201 (grade of C or better).

Term(s) Offered: Fall, Spring

ADV 343 - Media Planning

Credits: 3

The course treats researching media options, developing a media plan, and learning how to implement the plan. It includes identifying target audiences, the media they use, the cost efficiency of the media, and determining the costs of the total plan.

Prerequisite(s): ADV 101 (grade of C or better), ENG 101 (grade of C or better), and ENG 201 (grade of C or better) and core math or consent of instructor.

Term(s) Offered: Fall, Spring

ADV 346 - Special Events and Promotion

Credits: 3

This course examines the elements of a highly specialized form of advertising, specifically the event planning process, creative brainstorming, budgeting, overcoming obstacles, attracting sponsorships, soliciting volunteers, and evaluations.

Prerequisite(s): ADV 342 (grade of C or better) or PRL 364 (grade of C or better).

Term(s) Offered: Spring (alternate years)

ADV 347 - Advertising Copywriting

Credits: 3

A study of the principles and practices of writing effective commercial messages for media such as magazines, newspapers, billboards, direct mail, directories, and other promotional copy. It includes studies of message elements; the role of research in developing message strategies; the creative process; and clear, effective, and persuasive copywriting.

USI Core 39: Embedded Experience-Writing

Prerequisite(s): ADV 101 (grade of C or better), ENG 101 (grade of C or better, and ENG 201 (grade of C or better) or core equivalent.

Term(s) Offered: Fall, Summer

ADV 400 - Independent Study in Advertising

Credits: 3

Designed to provide an opportunity for upper division communications majors and minors to research subject areas in the field of advertising. A maximum of six hours of ADV 400 may be taken; only three may be taken in any one semester. Students wishing to take independent study courses in the advertising curriculum should be aware of the following points: 1) Only six hours of independent study may apply toward a major in communications; 2) No more than three hours of Advertising 400 may be directed by the same instructor. 3) Students wishing to enroll in independent study courses must receive written permission from their instructors prior to registration.

Prerequisite(s): 21 hours of communications (grades of C or better), upper-division status, and written consent of instructor.

Term(s) Offered: Fall, Spring, Summer

ADV 440 - Advanced Advertising Campaigns

Credits: 3

To refine campaign skills to be used as a competition class for the American Advertising Federation.

Prerequisite(s): consent of instructor.

Repeatability: May be taken twice.

Term(s) Offered: Spring

ADV 441 - Seminar in Integrated Marketing Communications

Credits: 3

Approaching organizations' communications issues through the integration of advertising, marketing, and public relations strategies and techniques.

Prerequisite(s): senior standing and PRL 101 (grade of C or better) or ADV 101 (grade of C or better), ENG 101 (grade of C or better), and ENG 201 (grade of C or better) and MKTG 201 or MKTG 305.

Cross-Listed: PRL 461; may be taken only once as one of these courses.

Term(s) Offered: Spring

ADV 444 - Strategic Campaigns

Credits: 3

Advanced study in the creation and implementation of advertising campaigns. Students will study the evolution of ad campaigns, the various forms of advertising, and local and national ad campaigns. Students also will practice targeting the audience, creating the advertising concept, and selecting media buys and budgeting.

Prerequisite(s): ADV 335 (grade of C or better) and nine hours of advertising.

Term(s) Offered: Fall

ADV 446 - Seminar in Advertising

Credits: 3

A capstone course involving the study of the origins and effects of modern advertising and how advertising works on individuals and society. Students will conduct their own inquiries through individual projects designed to make them consider the nature of needs and how to design, advertise, and satisfy them.

Prerequisite(s): ADV 342 (grade of C or better) or PRL 364 (grade of C or better) and 15 hours in major completed.

Term(s) Offered: Fall, Spring

ADV 489 - Internship in Advertising

Credits: 1-3

Offers students job experience in the discipline through a minimum of 50 hours of supervised professional work per credit hour.

Prerequisite(s): junior standing and consent of instructor.

Repeatability: Repeatable to a maximum of 3 hours.

Term(s) Offered: Fall, Spring, Summer

ADV 499 - Special Topics

Credits: 3

Topics will vary. Purpose of course is to cover topics which are not specific courses in the curriculum.

Prerequisite(s): junior standing.

Repeatability: Course may be repeated once if the topic is different from the one previously taken.

AHA 201 - Introduction to Arts and Heritage Administration

Credits: 3

Introduction to basic issues and challenges in the administration of non-profit arts and heritage organizations, including a brief

history of arts and heritage management, the structure and challenges of the non-profit sector, and practical concerns in arts and heritage administration, including artistic and administrative leadership, institutional structures, government relations, and the place of arts and heritage institutions in modern society.

Term(s) Offered: Fall

AHA 251 - Computer Applications for Public and Non-Profit Organizations

Credits: 3

Introduction to computer applications including word processing, spreadsheets, presentations, and other software packages used in public and non-profit institutions and organizations.

Term(s) Offered: Fall

AHA 301 - Advanced Studies in Arts and Heritage Administration

Credits: 3

Students examine the changing role of arts and heritage organizations, and explore issues related to arts and heritage responsibilities, cultural sensitivity, community relationships, and outreach programs. Emphasis on creative research, strategic planning, collaboration, and oral and written communication.

Prerequisite(s): AHA 201 and either AHA 251 or CIS 151.

AHA 499 - Internship/Intensive Study in Arts and Heritage Administration

Credits: 3

Work experience in arts or heritage site or organization which may fall outside the traditional disciplinary internships. Intensive study related to a particular project that will be used by arts or heritage-related organization may substitute. An internship requires a minimum of 150 hours of supervised professional work, two written evaluations by the supervisor, two written self-evaluations and a final review with director of the AHA program. Intensive study should result in a substantial final project or report that will be submitted to an arts or heritage-related organization.

Prerequisite(s): Senior standing and consent of the AHA director.

Grading: Grades are assigned as Satisfactory/Unsatisfactory only.

ANTH 111 - Introduction to World Cultures

Credits: 3

This course explores the human condition from a cross-cultural perspective and introduces the basic concepts, theories, and methodologies of cultural anthropology.

USI Core 39: Ways of Knowing-World Languages and Culture; World Language and Culture-BS; Embedded Experience-

Diversity.

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

ANTH 121 - Introduction to Archaeology

Credits: 3

An introduction to archaeological methods, concepts, and theories, and their application in the investigation, reconstruction, and interpretation of both prehistoric and historic cultures. Students will learn what archaeologists do and how they discover what life was like in the past.

USI Core 39: Ways of Knowing-Historical Inquiry; Social Science-BS.

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

ANTH 131 - Introduction to Physical Anthropology

Credits: 3

This course examines fundamental aspects of a physical nature of humans and human variability. It selectively reviews the long record of human biological adaptations that have existed from the appearance of the earliest Hominids up to the development of anatomically modern forms. Topics include principles of evolution, human variation and adaptability, non-human primate behavior, non-human osteology (study of the skeleton), and the human fossil record.

USI Core 39: Natural Science (BS); Ways of Knowing-Scientific and Mathematical Inquiry.

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

ANTH 200 - Special Topics in Anthropology

Credits: 3

A study of selected topics of current interest and importance in anthropology. These topics will vary in accordance with the interests of the students and faculty.

Repeatability: Students may repeat the course without limit as the topic changes.

ANTH 211 - Introduction to Forensic Anthropology

Credits: 3

This course examines the fields of forensic anthropology and human osteology. It places emphasis on field recovery techniques, management of the death scene, estimation of time since death, and cause and manner of death. In addition, students will learn human osteology and its application to human identification in legal contexts.

USI Core 39: Natural Science (BS); Ways of Knowing-Scientific and Mathematical Inquiry.

Prerequisite(s): BIOL 105 or BIOL 133 or BIOL 141, or permission of instructor.

ANTH 221 - Archaeology: Fact and Fiction

Credits: 3

This course will investigate popular myths about the past, such as the lost continent of Atlantis and ancient alien astronauts. Students will learn to distinguish facts from fiction, understand how archaeologists know what they know, and more generally, learn how to check what we hear.

USI Core 39: Ways of Knowing-Historical Inquiry.

Prerequisite(s): ANTH 121.

ANTH 235 - American Life

Credits: 3

This course explores both differences and commonalities, and what defines "American" despite the nation's diversity. The United States is made up of diverse peoples, more-or-less bound together by a common government, laws, and economy and family histories reach into many different ethnic groups and traditions.

USI Core 39: Ways of Knowing-Social Inquiry; Social Science-BS; Embedded Experience-Writing.

Prerequisite(s): ANTH 111 and ENG 201.

ANTH 241 - The Supernatural

Credits: 3

Religious belief is a cultural universal -- all peoples have some form of belief in the supernatural. Though there are very few specific beliefs that all religions share, there are a number of common ways in which humans relate to and interact with the supernatural. This course will examine religion from a worldwide perspective, drawing upon examples from many areas of the globe.

Prerequisite(s): ANTH 111.

ANTH 322 - Cultural Ecology

Credits: 3

The natural environment provides both opportunities and limitations on human culture. It is a major contributing factor in the way particular cultures develop over time, in terms of subsistence patterns, technology, and socio-political structure. Students

will examine the concept of cultural ecology, tracing its history in anthropology to the present day.

Prerequisite(s): ANTH 111 and junior standing.

ANTH 323 - Native Peoples of North America

Credits: 3

The ethnography of Native North American cultures through a detailed study of representative tribal units by cultural areas. The course includes an examination of historic native cultures from first contact with Europeans to the role of North American Indian populations as an important ethnic group in modern American life.

Prerequisite(s): ANTH 111 and junior standing.

ANTH 324 - Peoples of Asia

Credits: 3

An introduction to the diverse cultures of Asia through the reading of ethnography and other relevant anthropological literature. Emphasis will be placed on such topics as belief systems, ethnic identity, marriage, kinship, and social organization.

Prerequisite(s): ANTH 111 and junior standing.

ANTH 325 - Peoples of Latin America

Credits: 3

This course provides students with an introduction to the ethnography and ethnology of Latin America, examining the cultural diversity present in Latin America while also looking at the commonalities among its diverse populations.

Prerequisite(s): ANTH 111 and junior standing.

ANTH 326 - Peoples of Africa

Credits: 3

This course is a survey of sub-Saharan Africa that will provide a look at African culture, emphasizing economic, religious, and political aspects, both traditional and modern.

USI Core 39: Embedded Experience-Global.

Prerequisite(s): ANTH 111 and junior standing.

ANTH 342 - Archaeology of North America

Credits: 3

An introduction to the prehistoric past of North America prior to European contact. Topics covered include: the peopling of the Americas, the archaeology of eastern North America, and the prehistory of the American Southwest.

Prerequisite(s): ANTH 121 and junior standing.

ANTH 343 - Archaeology of Mesoamerica

Credits: 3

An introduction to the archaeological record of Mesoamerica, from the first inhabitants of the Americas to the European arrival in the sixteenth century. Cultures such as the Olmec, Maya, Toltec, and Aztec will be discussed, with particular emphasis on subsistence, architecture, social systems, and the development of social inequality.

Prerequisite(s): ANTH 121 and junior standing.

ANTH 344 - Archaeology of Greece

Credits: 3

This course is a survey of Greek archaeology, covering the period from the Stone Age to the death of Alexander the Great. The material culture of ancient Greece will be examined in its sociopolitical, economic, and religious context, exploring how ancient Greeks lived.

Prerequisite(s): ANTH 121 and junior standing.

ANTH 345 - Prehistory of Europe

Credits: 3

This course will examine the five main periods within the prehistoric past of Europe, from the Ice Age through the end of the Iron Age. Students will explore the archaeological remains from these periods, focusing on topics such as subsistence strategies, technology, social organization, mortuary practices, the arts, and warfare.

Prerequisite(s): ANTH 121 and junior standing.

ANTH 352 - Primatology

Credits: 3

Since primates are our closest living relatives, they are of great interest in better understanding both the past and present state of

humanity. This course is an exploration of the taxonomic divisions, ecology, social organization, and reproductive behavior of the non-human primates. Both living and fossil primates will be considered.

Prerequisite(s): ANTH 131 and junior standing.

ANTH 353 - Human Origins

Credits: 3

An examination of the biological bases of human society and culture. This course surveys human evolution from pre-human ancestors to the appearance of Homo sapiens.

ANTH 354 - Human Osteology

Credits: 3

This course is devoted to a detailed examination of the descriptive and functional morphology of the human skeleton, with an emphasis on its applications in physical anthropology and archaeology. Students will explore methods used in determining age, sex, stature, trauma, and paleopathology.

Prerequisite(s): ANTH 131 and junior standing.

ANTH 355 - Human Variation

Credits: 3

The range of contemporary human biological variation is explored from an evolutionary and adaptive perspective. Also considered are the concepts of "race" and the history of its use (and abuse) within the discipline of anthropology.

Prerequisite(s): ANTH 131 and junior standing.

ANTH 370 - Cultural Anthropology Seminar

Credits: 3

An intensive, small-group discussion of specific topics of current interest in cultural anthropology. The seminar format will emphasize critical thinking and discussion. Students may take the course more than once as the topic changes.

Prerequisite(s): ANTH 111 and junior standing.

ANTH 380 - Archaeology Seminar

Credits: 3

An intensive, small-group discussion of recent, provocative books on topics of current interest to archaeological anthropology. The seminar format will emphasize critical thinking and discussion. Students may take the course more than once as the reading list changes.

Prerequisite(s): ANTH 121 and junior standing.

ANTH 390 - Physical Anthropology Seminar

Credits: 3

An intensive, small-group discussion of recent, provocative books on topics of current interest to physical anthropology. The seminar format will emphasize critical thinking and discussion. Students may take the course more than once as the reading list changes.

Prerequisite(s): ANTH 131 and junior standing.

ANTH 397 - Archaeological Field School

Credits: 6

This course is designed to give students experience in archaeological field methods through participation in a site excavation. Students learn basic excavation techniques, mapping, and artifact identification.

Prerequisite(s): permission of instructor.

Term(s) Offered: Summer

ANTH 401 - Anthropology Lab Methods

Credits: 3

This course will explore the means by which anthropologists analyze the material remains and derive conclusions. A variety of prehistoric and historic artifacts will be covered, including stone tools and ceramics. Each student will complete a research project involving the analysis of a collection.

Prerequisite(s): ANTH 111 , ANTH 121 , and ANTH 131.

ANTH 402 - Ethnography

Credits: 3

This course provides a historical perspective on the changes that have taken place in ethnographic inquiry. Topics covered include the historical foundations of ethnography, the crisis of representation in cultural anthropology, the ethics of ethnography,

and methodologies for doing ethnography. Major themes will be addressed through readings and discussions of various ethnographic texts.

Prerequisite(s): ANTH 111 , ANTH 121 , and ANTH 131.

ANTH 475 - History of Anthropological Thought

Credits: 3

This course covers the major intellectual trends in cultural anthropology from the nineteenth century to the present. Topics include evolutionary anthropology, functionalism, materialism, structuralism, cognitive anthropology as well as more recent postmodern approaches to understanding culture.

Prerequisite(s): ANTH 111 , ANTH 121 , and ANTH 131.

ANTH 489 - Independent Study in Anthropology

Credits: 3

An extensive examination of the main anthropological ideas on a specific topic. The major paper is a product of critical reading or advanced research.

Prerequisite(s): nine hours sociology/anthropology and consent of instructor.

Repeatability: The course may be taken up to six hours.

ANTH 499 - Internship in Anthropology

Credits: 3

An opportunity for work experience in the area of anthropology. For students interested in graduate school, the internship will involve field research.

Prerequisite(s): nine hours in anthropology/sociology and consent of instructor.

Repeatability: The course may be taken for up to six credit hours with different placements.

ARAB 101 - Beginning Arabic I

Credits: 3

Fundamentals of Arabic, no previous Arabic required. Emphasis on the four language skills of listening, speaking, reading, and writing in the cultural context of Arabic-speaking countries. In addition to the regular class meetings, students are required to complete one hour per week in language lab.

USI Core 39: World Languages-BA; World Language and Culture-BS; Embedded Experience Diversity.

Term(s) Offered: Fall

ARAB 102 - Beginning Arabic II

Credits: 3

Fundamentals of Arabic; continuation of ARAB 101. Emphasis on the four language skills of listening, speaking, reading, and writing in the cultural context of the Arabic-speaking countries. In addition to the regular class meeting, students are required to complete one hour per week in the language lab.

USI Core 39: World Languages-BA; World Language and Culture-BS; Embedded Experience Diversity.

Prerequisite(s): ARAB 101 or consent of the instructor.

Term(s) Offered: Spring

ARAB 203 - Intermediate Arabic I

Credits: 3

Continuation of ARAB 102. Emphasis on the four language skills of listening, speaking, reading, and writing in the cultural context of the Arabic-speaking countries. In addition to the regular class meeting, students are required to complete one hour per week in the language lab.

USI Core 39: World Languages-BA; World Language and Culture-BS; Embedded Experience Diversity.

Prerequisite(s): ARAB 102 or consent of the instructor.

Term(s) Offered: Fall

ARAB 204 - Intermediate Arabic II

Credits: 3

Continuation of ARAB 203. Emphasis on the four language skills of listening, speaking, reading, and writing in the cultural context of the Arabic-speaking countries. In addition to the regular class meeting, students are required to complete one hour per week in the language lab.

USI Core 39: Ways of Knowing-World Languages and Culture; World Languages-BA; World Language and Culture-BS; Embedded Experience-Diversity.

Prerequisite(s): ARAB 203 or consent of the instructor.

Term(s) Offered: Spring

ARAB 499 - Individual Study in Arabic

Credits: 1-3

Research or advanced study of a specific area of Arabic literature, culture, education or language culminating in an analytical paper or comprehensive exam.

Prerequisite(s): Approval of Department Chairperson.

Repeatability: May be taken up to 6 credit hours.

ART 103 - Color and Design

Credits: 3

An introduction to the two-dimensional arts through projects based on the fundamentals of design and study of color theory. A wide variety of art media and techniques are presented to prepare students for courses in painting, printmaking, and graphic design.

Term(s) Offered: Fall, Spring

ART 104 - Design in Materials

Credits: 3

An introduction to the process of developing three-dimensional concepts in visual art, using various media such as wood, metal, and clay.

USI Core 39: Ways of Knowing-Creative and Aesthetic Expression.

Term(s) Offered: Fall, Spring

ART 105 - Drawing I

Credits: 3

Investigation of basic drawing concepts, such as line quality, negative space, perspective, and use of value. Course will concentrate on techniques in black and white drawing media.

This course is part of the Core Transfer Library (CTL).

Indiana Statewide Common Course #: IFA 1320.

Term(s) Offered: Fall, Spring

ART 106 - Drawing and Composition

Credits: 3

Continuation of ART 105, concentrating on development of finished compositions in drawing. Course will explore techniques in color media.

Prerequisite(s): ART 105 or consent of instructor.

Term(s) Offered: Fall, Spring

ART 201 - Introduction to Visual Arts

Credits: 3

A basic survey of the media, elements, and organization of painting, graphics, sculpture, and architecture. ART 201 is not applicable to the Art major.

USI Core 39: Ways of Knowing-Creative and Aesthetic Expression.

This course is part of the Core Transfer Library (CTL).

Indiana Statewide Common Course #: IFA 1310.

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

Term(s) Offered: Fall, Spring

ART 205 - Figure Drawing I

Credits: 3

Drawing the human figure, stressing form, structure, and action of the human figure.

Prerequisite(s): ART 105.

Term(s) Offered: Fall, Spring

ART 206 - Figure Drawing II

Credits: 3

Drawing the human figure from the posed model with various props.

Prerequisite(s): ART 205.

Term(s) Offered: Fall, Spring

ART 255 - Introduction to African Arts

Credits: 3

Introduction to African Arts through different types of visual arts and practices. Students will gain an understanding of African arts and their relevance in African cultures and history.

ART 273 - Intro to Photography

Credits: 3

Students will explore black-and-white film photography as they investigate problems of design, content, and expression, with emphasis on fine art applications. The course is taught in a chemical darkroom and includes film development, printing, mixing chemicals, and scanning negatives into the computer. Students must provide a manual 35-mm film camera and photo supplies.

Term(s) Offered: Fall, Spring

ART 311 - Painting I

Credits: 3

Focuses on traditional techniques in oil/acrylic painting media.

Prerequisite(s): ART 103 or consent of instructor.

Term(s) Offered: Fall, Spring, Summer

ART 312 - Painting II

Credits: 3

A continuation of ART 311, with emphasis on experimental/non-traditional painting techniques.

Prerequisite(s): ART 311.

Term(s) Offered: Fall, Spring, Summer

ART 313 - Ceramics I

Credits: 3

Introduction to basic methods of working with clay. Throwing, hand building, and a variety of techniques will be covered.

Term(s) Offered: Fall, Spring

ART 314 - Ceramics II

Credits: 3

A continuation of ART 313. Emphasis on more complex forms and glazes. Introduction to clay and glaze formulation and continued development of firing techniques.

Prerequisite(s): ART 313.

Term(s) Offered: Fall, Spring

ART 315 - Jewelry I

Credits: 3

The theory and practice of making jewelry and metal objects. Introduction to the fundamentals of fabrication and construction techniques.

Prerequisite(s): ART 104 or consent of instructor.

Term(s) Offered: Fall, Spring, Summer

ART 316 - Jewelry II

Credits: 3

Continued development in making jewelry and metal objects. Further technical exploration in metal media.

Prerequisite(s): ART 315.

Term(s) Offered: Fall, Spring

ART 341 - Sculpture I

Credits: 3

Introduction to processes and materials essential to the creation of three-dimensional art, accompanied by concept development to create successful sculpture.

Prerequisite(s): ART 104 or consent of instructor.

Term(s) Offered: Fall, Spring

ART 342 - Sculpture II

Credits: 3

Continuing involvement with sculptural processes and materials with emphasis on concept development.

Prerequisite(s): ART 341.

Term(s) Offered: Fall, Spring

ART 351 - Woodworking I

Credits: 3

Introduction to fundamental woodworking techniques. Emphasis will be placed on developing an understanding of basic wood jointery, machinery operation, and the development of an original design.

Prerequisite(s): ART 104 or consent of instructor.

Term(s) Offered: Fall, Spring

ART 352 - Woodworking II

Credits: 3

Continued experience in woodworking. The emphasis will be placed on merging the utilitarian form with the sculptural aesthetic.

Prerequisite(s): ART 351.

Term(s) Offered: Fall, Spring

ART 361 - Printmaking I

Credits: 3

Introduction to mono-printing, papermaking, black and white lithography, and woodcut techniques.

Prerequisite(s): ART 103 or consent of instructor.

Term(s) Offered: Fall, Spring

ART 362 - Printmaking II

Credits: 3

Introduction to black and white intaglio printmaking as well as basic color techniques in lithography, woodcut, and monoprint techniques.

Prerequisite(s): ART 361.

Term(s) Offered: Fall, Spring

ART 374 - Photography II

Credits: 3

Continuation of ART 273, expanding upon basic skills to communicate creatively through visual composition and working in series. Introduction to "hot" lights and studio strobes.

Prerequisite(s): ART 273 or consent of instructor.

Term(s) Offered: Fall, Spring, Summer

ART 399 - Select Topics in Studio Art

Credits: 3

An intensive study of specialized topics in the visual arts.

Prerequisite(s): junior standing or consent of instructor.

Repeatability: Repeatable with change in course content.

Term(s) Offered: Fall, Spring

ART 405 - Figure Drawing in Composition III

Credits: 3

Composing with the human figure, using props, and experimenting with various media.

Prerequisite(s): ART 206.

Term(s) Offered: Fall, Spring

ART 406 - Figure Drawing in Composition IV

Credits: 3

An extension of ART 405, drawing the human figure from posed model in composition, using various media.

Prerequisite(s): ART 405.

Term(s) Offered: Fall, Spring

ART 411 - Painting III

Credits: 3

Development of a series of works which relate conceptually, stylistically, and/or technically.

Prerequisite(s): ART 312.

Term(s) Offered: Fall, Spring, Summer

ART 412 - Painting IV

Credits: 3

Advanced work developing personal aesthetic vision in painting media.

Prerequisite(s): ART 411.

Term(s) Offered: Fall, Spring, Summer

ART 413 - Ceramics III

Credits: 3

Advanced methods of working with clay and glazes. More independent projects will be required. Demonstrated ability to load, fire, and operate kilns is required.

Prerequisite(s): ART 314.

Term(s) Offered: Fall, Spring

ART 414 - Ceramics IV

Credits: 3

A semester of intense ceramic work. Projects must indicate a comprehensive understanding of ceramic techniques.

Prerequisite(s): ART 413.

Term(s) Offered: Fall, Spring

ART 415 - Jewelry III

Credits: 3

Continuation of ART 316 - Jewelry II with emphasis on individual direction within the jewelry media.

Prerequisite(s): ART 316.

Term(s) Offered: Fall, Spring

ART 416 - Jewelry IV

Credits: 3

Continuation of ART 415 - Jewelry III with concentrated effort on personal development within the jewelry media.

Prerequisite(s): ART 415.

Term(s) Offered: Fall, Spring

ART 441 - Sculpture III

Credits: 3

Advanced experience in sculpture processes and materials with an emphasis on conceptualization and development of a personal aesthetic.

Prerequisite(s): ART 342.

Term(s) Offered: Fall, Spring

ART 442 - Sculpture IV

Credits: 3

Continuing advanced experience in sculptural processes and materials with emphasis on concept and personal aesthetic development.

Prerequisite(s): ART 441.

Term(s) Offered: Fall, Spring

ART 451 - Woodworking III

Credits: 3

Advanced experience in woodworking with emphasis on furniture design.

Prerequisite(s): ART 352.

Term(s) Offered: Fall, Spring

ART 452 - Woodworking IV

Credits: 3

Advanced experience in woodworking with emphasis on structural possibilities of wood.

Prerequisite(s): ART 451.

Term(s) Offered: Fall, Spring

ART 461 - Printmaking III

Credits: 3

Intermediate methods in intaglio, lithography, woodcut, and monoprint techniques.

Prerequisite(s): ART 362.

Term(s) Offered: Fall, Spring

ART 462 - Printmaking IV

Credits: 3

Advanced methods in intaglio, lithography, woodcut, and monoprint techniques.

Prerequisite(s): ART 461.

Term(s) Offered: Fall, Spring

ART 473 - Photography III

Credits: 3

This course further develops students' photographic skills in advanced digital and analog techniques while developing professional practices, such as self-directed projects and proposal writing. Technical skills covered may include studio lighting with hot and strobe lights, specialized cameras, creative collaboration, or service learning opportunities. Emphasis is placed on developing a cohesive portfolio.

Prerequisite(s): ART 374 and ARTD 383.

Term(s) Offered: Fall, Spring

ART 474 - Photography IV

Credits: 3

Advanced work in lighting and technical processes; development of a personal aesthetic vision in the medium.

Prerequisite(s): ART 473.

Term(s) Offered: Fall, Spring

ART 489 - Special Problems in Art

Credits: 1-6

Course by appointment with any of the full-time art faculty. Problems related to specific training within a specific area of art.

Prerequisite(s): junior or senior standing, consent of instructor.

Repeatability: This course may be repeated three times for total of nine credits.

Term(s) Offered: Fall, Spring, Summer

ART 493 - Senior Art Seminar

Credits: 3

A capstone course for art and art education majors combining discussion of current aesthetic issues in the visual arts with practical knowledge in career or graduate school preparation, as well as evaluation of student's artistic growth and potential.

Prerequisite(s): senior status or consent of instructor.

Term(s) Offered: Fall

ART 498 - Internship in Art

Credits: 3

A course to complement classroom and studio experience by providing professional work situations with an employer. The course requires a minimum of 150 hours of supervised professional work, two written evaluations by the supervisor, two onsite visits by a University official, maintenance of a portfolio of completed work, and periodic interviews with an art faculty member. Open to juniors and seniors.

Prerequisite(s): approval of Art Department chairperson. Grades will be assigned as Satisfactory or Unsatisfactory only.

Term(s) Offered: Fall, Spring, Summer

ARTD 231 - Introduction to Graphic Design

Credits: 3

An introduction to the creative principles and processes in visual communication. Emphasis is placed on thinking visually, exploring the relationship between words and images, and developing appropriate solutions to the problems assigned. An overview of the history of graphic design also is covered.

Term(s) Offered: Fall, Spring

ARTD 232 - Typography

Credits: 3

This course examines type as an element of design in visual communications. Type design, the study of letterforms, and the historical and modern development of the alphabet are covered. Students explore the creation of informative, experimental, and expressive typographic forms by using traditional and computer-generated techniques.

Term(s) Offered: Fall, Spring

ARTD 274 - Introduction to Digital Photo Imaging

Credits: 3

Students will create digital photographs as they learn new methods of using digital cameras and professional editing software for creative purposes. Students will apply design fundamentals and command basic color management processes as they learn how to apply digital photography skills to the creation of expressive images. Students must provide a digital camera with some manual features.

Term(s) Offered: Fall, Spring

ARTD 275 - Computer Graphic Arts

Credits: 3

This course explores the computer as a creative tool for designers, artists, and persons in the media arts. It familiarizes students with the concepts used in creative software programs for graphics. The primary emphasis is on the creative uses of computers in the arts, design, and media.

Term(s) Offered: Fall, Spring

ARTD 331 - Illustration Techniques

Credits: 3

This course introduces students to illustration principles, methods, and the use of materials. Students develop their perceptual abilities, sensitivity to color, and compositional ideas within the context of illustration. Students also explore the use of various materials and techniques to produce two-dimensional illustrations that challenge their ability to conceive and communicate ideas visually.

Prerequisite(s): ART 105 or consent of instructor.

Term(s) Offered: Fall, Spring

ARTD 332 - Digital Illustration

Credits: 3

An introduction to computer illustration using both object-oriented drawing software and bit-mapped painting software. This course allows students to explore their creative ideas in depth utilizing the computer. Students explore the synthesis of traditional illustration skills with digital skills and techniques.

Prerequisite(s): ARTD 275 or consent of instructor.

Term(s) Offered: Fall

ARTD 372 - Video Art

Credits: 3

An introduction to the creative principles and processes of video art. Students explore the practical applications and limitations of video and sound production. Basic video editing and visual effects are explored. Elements of storytelling, storyboarding, and

other pre-production methods are discussed and implemented.

Prerequisite(s): ARTD 275 or consent of instructor.

ARTD 376 - Graphic Design II

Credits: 3

This course investigates the design and production issues of generating computer graphics for print or electronic media. It provides an understanding of the technical process of creating projects incorporating scanned and computer-generated images and text. Students will gain experience integrating various computer applications and input/output hardware.

Prerequisite(s): ARTD 232 and ARTD 275 or consent of instructor.

Term(s) Offered: Fall, Spring

ARTD 378 - History of Graphic Design

Credits: 3

This course covers the history of graphic design with an emphasis on developments in design during the 19th and 20th centuries. It also will include an examination of the social, political, and technological factors that have shaped graphic design.

Prerequisite(s): ARTH 221 and ARTH 222 or consent of instructor.

Term(s) Offered: Spring

ARTD 381 - Interactive Web Design

Credits: 3

An introduction to the theory, tools, and techniques for creating interactive web pages. Introduces HTML coding as well as web page layout software. Focuses on designing the look, structuring the information, sequencing the pages, and integrating text and graphics as well as preparing and producing web pages.

Prerequisite(s): ARTD 275 or ARTD 231 or ARTD 274.

Term(s) Offered: Fall, Spring

ARTD 382 - Interactive Graphics

Credits: 3

This course provides an introduction to the concepts, tools, and techniques for producing interactive multimedia. Topics covered include: interface design, flow charting, navigational structures, metaphor, props, visual layout, and the integration of audio, video, and animated sequences.

Prerequisite(s): ARTD 275 or ARTD 274.

Term(s) Offered: Spring

ARTD 383 - Advanced Digital Photo Imaging

Credits: 3

This course explores the aesthetics, terminology, and techniques of digital imaging. Students will compose and optimize image captures specifically for subsequent digital manipulation. The course also examines color management processes for digital media and printed output as well as alternative imaging methods and creative printing effects.

Prerequisite(s): ARTD 274 or ARTD 275 or consent of instructor.

Term(s) Offered: Spring

ARTD 384 - Digital Animation

Credits: 3

Students explore the principles of animation with an emphasis in the study of motion. Using state-of-the industry digital tools, students will learn about timing, sequencing, story, character, camera movements, gravity effects (stretch and squash), and audio synchronization to create animations. A variety of techniques will be covered including, but not limited to cut-out, frame-by-frame, stop-motion, and rigging.

Prerequisite(s): ARTD 275 or ARTD 274.

ARTD 431 - Narrative Illustration

Credits: 3

Introduction to illustrating for narrative, sequence, or series. Students learn the tools and techniques of concept sketching and storyboards as a means of developing and communicating visual ideas. Working with selected texts, students develop a project from concept to completion. Students also explore the historical role of the illustrator as a visual storyteller.

Prerequisite(s): ARTD 331 or consent of instructor.

ARTD 432 - Conceptual Illustration

Credits: 3

Students refine their conceptual, aesthetic, and technical skills in a variety of advanced illustration assignments directed toward developing portfolio pieces and fine tuning their personal visual language. Assignments challenge the student to create a range of inventive and effective illustrative solutions in the appropriate media.

Prerequisite(s): ARTD 331 or consent of instructor.

ARTD 475 - Graphic Design III

Credits: 3

This course will emphasize the creation of innovative visual layouts by having students analyze the communication problem, define the most appropriate approach, and produce creative and aesthetic solutions using the computer. Various media will be used to implement these solutions including printing, advertising, packaging, exhibitions, and electronic media.

Prerequisite(s): ARTD 376 or consent of instructor.

Term(s) Offered: Fall, Spring

ARTD 476 - Graphic Design IV

Credits: 3

This course offers advanced study in computer graphics, allowing students to expand their computer knowledge and critically investigate the theoretical and practical issues of generating computer art. Students will propose, design, and produce individual and team projects suitable for their senior portfolio.

Prerequisite(s): ARTD 475 or consent of instructor.

Term(s) Offered: Spring

ARTD 481 - Advanced Web Design

Credits: 3

This course covers advanced tools and techniques for designing interactive digital media for network systems. Students are instructed in network delivery methods for sound, video, animation, database, and interactive content. Scripting and vector animation are utilized to bring additional functionality to a network site. Using various software packages, the student will create fully functional sites with interactive multimedia content. Web site management, browser and platform issues, and the limitations involved in designing for networks are covered.

Prerequisite(s): ARTD 381 or consent of instructor.

Term(s) Offered: Fall

ARTD 482 - Motion Graphics

Credits: 3

This course covers advanced issues in designing and producing interactive multimedia. Students are exposed to the complexities of multimedia authoring and production. Students, at times working in teams, will collaborate on developing the concept, layouts, storyboards, production schedule, and the user-interface. They will create and compile the content and produce the digital files for a fully functional multimedia presentation.

Prerequisite(s): ARTD 382 or consent of instructor.

Term(s) Offered: Spring

ARTD 494 - Senior Design Seminar

Credits: 3

A capstone course for art majors completing the emphasis in graphic design, interactive media design, or illustration. This course combines the discussion of current aesthetic issues in the visual arts with practical knowledge in career or graduate school preparation, as well as evaluation of student's artistic growth and potential.

Prereq or Coreq: ARTD 475 for the graphic design emphasis; ARTD 481 for the interactive media design emphasis; ARTD 431 for the illustration emphasis; and senior standing or consent of instructor.

Term(s) Offered: Fall

ARTE 394 - Workshop in Art Education

Credits: 1

Introductory workshop in writing objective statements and lesson plans; reviewing art materials, technology, and teaching methods; and developing a portfolio in art education.

Prerequisite(s): Open to Art Education K-12 majors and minors.

Term(s) Offered: Fall

ARTE 395 - Introduction to Art Education

Credits: 3

Part A: Content. The course will involve a basic understanding of historical and philosophical premises of art education; different approaches in the teaching of art; development and practical application of basic art skills in the classroom; and understanding of developmental stages in children's art works. The course examines basic thematic understanding of lesson plans as they apply to the state of Indiana academic and the discipline based art education (DBAE) standards in teaching art in elementary and middle school. Part B: Supervised Internal Clinical. Use of written lesson plans from Part A in an approved clinical experience.

Prerequisite(s): open to elementary education majors and minors; does not fulfill requirements for art education P-12 and secondary art education majors and minors.

Term(s) Offered: Fall, Spring, Summer

ARTE 396 - Materials and Methods in Elementary and Middle School Art Education

Credits: 3

Part A: Content. The course will emphasize historical and philosophical premises of art education; different approaches in the

teaching of art; development of basic art skills; and understanding of developmental stages in children's art works. The course examines in detail thematic understanding of written lesson plans as they apply to the state of Indiana academic and the discipline-based art education (DBAE) standards in teaching art in elementary and middle schools. Part B: Supervised Internal Clinical. Use of written lesson plans from Part A in an approved clinical experience.

Prerequisite(s): ARTE 394, open to art education P-12 majors and minors.

Term(s) Offered: Fall

ARTE 397 - Materials and Methods in Secondary Art Education

Credits: 3

Part A: Content. Teaching Art at the public high school level with strong emphasis on the use of art materials and methods in art education. The course will involve historical and philosophical premises of art education, different approaches in the teaching of art, understanding of high school children's art works, and the development and use of discipline-based art education (DBAE) written lesson plans as they apply to the state of Indiana academic standards. Part B: Supervised Clinical. Use of written lesson plans from Part A in an approved clinical experience.

Prerequisite(s): ARTE 396, open to art education P-12 and secondary art education majors and minors.

Term(s) Offered: Spring

ARTE 495 - Seminar in Art Education

Credits: 3

Workshop/review of teaching portfolio, and discussion of trends that are related to teaching art education. Student presentation of topical research based on assigned reading.

ARTH 221 - Art History I

Credits: 3

A survey of the history of primarily Western art and architecture from the prehistoric through Medieval periods. The course will focus on interpreting individual artworks from different chronological periods and regions, understanding how they are affected by their historical and cultural contexts, and how such primary source material may be used to interpret historical events and eras.

USI Core 39: Ways of Knowing-Historical Inquiry.

Prerequisite(s): ENG 101.

This course is part of the Core Transfer Library (CTL).

Indiana Statewide Common Course #: IFA 1311.

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

Term(s) Offered: Fall, Spring

ARTH 222 - Art History II

Credits: 3

A survey of the history of primarily Western art and architecture from the Renaissance to the Modern and Contemporary periods. One focus of this course will be to view and interpret artworks as products of their historical and cultural contexts. Another focus will be to examine the roots and development of the particularly modern aesthetic impulse of art as self-expression.

Prerequisite(s): ENG 101; ARTH 221 recommended.

This course is part of the Core Transfer Library (CTL).

Indiana Statewide Common Course #: IFA 1312.

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

Term(s) Offered: Fall, Spring

ARTH 253 - Art of Ancient Mexico

Credits: 3

The Art of Mesoamerica and the development of civilization in southern Mexico, Guatemala, Belize, and Honduras; examination of the Olmec, Maya, Aztec, and other groups, as well as the period of conquest and current conditions among the native peoples of the region.

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

ARTH 323 - Ancient Greek Art

Credits: 3

A survey of major monuments and issues of art from the ancient Western tradition, focusing on archaic and classical Greek art from c. 1000 BC to c. 50 BC.

Prerequisite(s): ARTH 221 and ARTH 222 or consent of instructor.

ARTH 327 - Medieval Art

Credits: 3

A survey covering major art movements and monuments in Europe, dating from the 4th to the 14th century, but concentrating on the art and architecture of the 8th to the 13th centuries.

Prerequisite(s): ARTH 221 and ARTH 222 or consent of instructor.

ARTH 335 - Asian Art

Credits: 3

This course surveys the art, architecture, and culture of India, China, Central Asia, and Japan. The approach will be primarily chronological within each of these four geographical units.

USI Core 39: BS-World Language and Culture; Ways of Knowing-World Languages and Culture; Embedded Experience-Writing.

Prerequisite(s): ENG 201, ARTH 221 and ARTH 222.

ARTH 343 - Renaissance Art

Credits: 3

A survey covering major movements, largely in Italy, in the period c. 1300-1600, including the Proto-Renaissance, Early Renaissance, High Renaissance, Mannerism, and Late Renaissance.

Prerequisite(s): ARTH 221 and ARTH 222 or consent of instructor.

ARTH 344 - Baroque Art

Credits: 3

A survey covering major movements in Europe and the Americas in the period 1600-1800, including the art and architecture of the Early Baroque, High Baroque, and Rococo.

Prerequisite(s): ARTH 221 and ARTH 222 or consent of instructor.

ARTH 353 - 19th Century Art

Credits: 3

Covers the major movements in the period c. 1780-1880, emphasizing Romanticism, Neo Classicism, Realism, and Impressionism.

Prerequisite(s): ARTH 221 and ARTH 222 or consent of instructor.

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

ARTH 354 - 20th Century Art

Credits: 3

The continuation of ARTH 353 covering the major movements in the period c. 1880-1980, including Post Impressionism, Cubism, Fauvism, Expressionism, DaDa, Surrealism, Abstract Expressionism, Pop, the Muralists, and non objective art.

Prerequisite(s): ARTH 221 and ARTH 222 or consent of instructor.

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

ARTH 355 - Contemporary Art

Credits: 3

The continuation of ARTH 354 covering the movements and artists in the period c. 1970-the present.

Prerequisite(s): ARTH 221 and ARTH 222 or consent of instructor. ARTH 354 recommended.

ARTH 359 - Special Studies in Art History

Credits: 1-3

Art historical studies offered in conjunction with special activities such as seminars, conferences, field work, or travel.

Repeatability: Repeatable three times with different topics for a total of six credit hours.

Term(s) Offered: Spring, Summer

ARTH 390 - Select Topics in Art History

Credits: 3

Studies within the field of art history covering a particular period or movement. May be used as an Art History Directed Elective. Approved topics may also be used to fulfill the Non-Western and Contemporary requirements of the Art History emphasis.

Prerequisite(s): ARTH 221 and ARTH 222, or consent of instructor.

Repeatability: repeatable up to 5 times with change of topic.

ARTH 490 - Special Problems in Art History

Credits: 3

An intensive study of some selected problems, areas, and movements in the field of the visual arts.

Prerequisite(s): ARTH 221 and ARTH 222 or consent of instructor.

Repeatability: Repeatable with change in course content.

Term(s) Offered: Fall, Spring

ASBE 291 - Desktop Publishing and Web Design

Credits: 3

Designed to acquaint students with the preparation and design of materials for desktop publishing and Web page, combining text processing with graphics. A hands-on instructional approach along with experience in processing and presentation graphics.

Prerequisite(s): CIS 261.

ASBE 471 - Principles and Philosophy of Vocational Education

Credits: 3

Fundamental philosophy, principles, and objectives of vocational education related to the needs of the beginning vocational instructor. Consideration of the various service areas, including wage-earning and non-wage-earning vocational areas, as a foundation for career decisions or further study.

ASBE 481 - In-School Laboratory Programs in Vocational Education

Credits: 3

Special techniques and knowledge needed to teach and manage in-school laboratory programs in vocational education. Consideration for the beginning or advanced vocational instructor as he/she operates within the LEA and business community.

Prerequisite(s): BSED 397 or equivalent.

ASBE 498 - Techniques of Coordinating Cooperative Education

Credits: 3

The coordination responsibilities of a cooperative vocational education coordinator in his/her relationships to school, parents, students, advisory committees, business, industry, and government will be identified and applied.

ASTR 201 - General Astronomy

Credits: 4

An introduction to the basic concepts in astronomy. Use of the telescope and exercises in uranography are stressed.

USI Core 39: Ways of Knowing-Scientific and Mathematical Inquiry; Natural Science with Lab (BA and BS).

Prerequisite(s): Sophomore standing.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (3-1)

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

BCOM 231 - Business Communication

Credits: 3

A detailed study of business communication. Includes analysis and practice in writing a variety of messages used to communicate in business and industry. Emphasizes the psycho-semantic aspects of effective organizational communication.

USI Core 39: Embedded Experience-Writing.

Prerequisite(s): CMST 101, CIS 151, and ENG 201.

Term(s) Offered: Fall, Spring, Summer

BCOM 331 - Advanced Business Communication

Credits: 3

The continued study of business communication builds on foundations presented in BCOM 231. This course expands basic communication skills and knowledge as students prepare for the increased communication demands of the business world. The topics covered provide a macro approach to business communication practices and skills at the corporate level.

Prerequisite(s): BCOM 231 and junior standing or permission of instructor.

BCOM 351 - Negotiation and Conflict Resolution

Credits: 3

The ability to negotiate and resolve conflicts has never been more important than in contemporary organizations, where the allocation of scarce resources is a constant challenge. Students enrolled in BCOM 351 will be asked to integrate knowledge from fields such as management, marketing, technology, economics, accounting and finance to develop solutions to demands for resources from both the individual and organizational perspective.

Prerequisite(s): BCOM 231

BCOM 401 - Business Career Planning and Professional Development

Credits: 1

A lecture-discussion-practicum class emphasizing identification of goals and processes of professional development through career planning. Related job-market issues of concern to senior business students also are addressed.

Prerequisite(s): BCOM 231 and senior standing.

Term(s) Offered: Fall, Spring, Summer

BGS 301 - The Ethics of Global Engagement

Credits: 3

This course expands students' capacity for civic engagement, providing a philosophical basis for service in western and more diverse traditions. It provides a global context for the issues addressed and affords students the opportunity for real community experiences that build skills necessary for civic involvement.

USI Core 39: Ways of Knowing-Moral and Ethical Reasoning; Embedded Experience-Global; Embedded Experience-Writing.

Prerequisite(s): ENG 101.

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

BGS 490 - General Studies Internship

Credits: 1-6

BGS 490 is designed to recognize the value of experiential learning activities and work experience relevant to the individual's program. Each student, as directed by a faculty member, and with consultation from the BGS director, will develop a career development plan that demonstrates the integration of prior educational and work experience with University coursework into a unified and meaningful whole. The number of hours of credit to be awarded will be determined by the faculty member, but may not exceed six. Credit will be awarded only after the student has been admitted to the BGS program.

BGS 498 - Personal and Professional Development

Credits: 3

This capstone course satisfies Core 39, Embedded Experience-Writing for students pursuing the Bachelor of General Studies. Others may enroll for elective credit. This course is an interdisciplinary study of adult human development and self. Theories of psychosocial, cognitive, moral, and faith development are examined and compared with the student's personal history and career development in the form of a professional portfolio and a thematic autobiography. The assigned Applied Research Project draws from the student's critical thinking and information processing skills in identifying a contemporary problem in an organization, gathering pertinent information for analysis, and choosing an appropriate solution.

USI Core 39: Embedded Experience-Writing.

Prerequisite(s): PSY 201, ENG 201, senior standing, and consent of instructor.

BIOL 105 - Biology of Human Concern

Credits: 4

This course examines general concepts in the life sciences, stressing those fundamental to life processes and of human concern. This course does not count toward requirements for biology majors and minors.

USI Core 39: Natural Science with Lab (BA and BS).

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (3-2)

This course is part of the Core Transfer Library (CTL).

Indiana Statewide Common Course #: ILS 1504.

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

Term(s) Offered: Fall, Spring, Summer

BIOL 108 - Biology for Educators

Credits: 2

An integrated inquiry based study of the characteristics of organisms, diversity and evolutionary processes, life cycles, and interdependence of organisms on each other and the environment. Enrollment will be limited to students majoring and minoring in education. This course will not earn elective credit for majors in biology, biochemistry, biophysics or minors in biology, environmental biology, biochemistry, or biophysics.

USI Core 39: Ways of Knowing-Scientific and Mathematical Inquiry; Natural Science with Lab (BA and BS).

Prerequisite(s): CHEM 108, CHEM 261 or consent of instructor

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (1-1.5)

BIOL 112 - Ethnobotany with Lab

Credits: 4

Examination of human uses of plants and the cultural/societal origins of usage. Plants for medicine and health, food, beverage, protection, aesthetics, and recreation will be discussed. Basic concepts in cell biology, genetics, plant taxonomy/ identification, plant anatomy, and plant physiology typical of Introductory Biology for non-majors courses will be covered. Through the lab, students will gain experience that will reinforce concepts from lecture. Students will work through the scientific method and use some of the basic tools used in the study of science. There will be opportunities for students to work through open-ended laboratory experiences. Does not apply toward a major or minor in biology.

USI Core 39: Natural Science with Lab (BA and BS).

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (3-2)

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

Term(s) Offered: Spring

BIOL 114 - Understanding Evolution

Credits: 4

This course is a survey of evolutionary thought from its beginnings as an explanation for diversity to its acceptance and application by biologists. Contemporary controversies will be discussed in their scientific and sociological contexts.

Prerequisite(s): None. Does not apply toward a major or minor in biology.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (3-2)

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

BIOL 121 - Human Anatomy and Physiology I

Credits: 4

An introduction to biological and chemical principles as they apply to the human body. Lectures and laboratory work will cover cellular anatomy and physiology, tissues, and the following systems: integumentary, skeletal, muscular, nervous, and endocrine.

USI Core 39: Natural Science with Lab (BA and BS).

Prerequisite(s): College chemistry is strongly recommended or may be taken concurrently.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (3-3)

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

Term(s) Offered: Fall, Spring, Summer

BIOL 122 - Human Anatomy and Physiology II

Credits: 4

A continuation of BIOL 121 consisting of lectures and laboratory work concerning the following systems: respiratory, cardiovascular, lymphatic, digestive, excretory, and reproductive.

USI Core 39: Natural Science with Lab (BA and BS).

Prerequisite(s): BIOL 121.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (3-3)

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

Term(s) Offered: Fall, Spring, Summer

BIOL 133 - Biological Concepts

Credits: 4

This lecture/laboratory course will cover biological concepts in the context of current issues in biology. Students will become more familiar with the scientific method as it applies to biology. Topics to be covered include: science and ethics; evolution and biodiversity; ecology; genetics and cellular biology. The lab will reinforce concepts from lecture. The course will not apply toward a major or minor in biology.

USI Core 39: Natural Science with Lab (BA and BS).

Prerequisite(s): ENG 100 or placement in ENG 101, MATH 100 or placement in MATH 111, and GENS 099 or GENS 151 unless exempt.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (3-2)

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

Term(s) Offered: Fall, Spring, Summer

BIOL 141 - Principles of Biology

Credits: 4

An introductory survey of the fundamental characteristics and processes of living organisms, including cell structure and function, energetics, genetics, development, evolution, and ecology. Laboratories include both didactic and investigative explorations of these processes.

USI Core 39: Ways of Knowing-Scientific and Mathematical Inquiry; Natural Science with Lab (BA and BS).

Prerequisite(s): Placement into ENG 100 or higher English writing course, and C or better in MATH 100 or placement into higher level college math course, and science major, or consent of instructor.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (3-3)

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

Term(s) Offered: Fall, Spring

BIOL 151 - Botany

Credits: 3

Fundamentals of plant structure and function are explored in the context of plant diversity and evolution. Consideration is given to variation in plant morphological and physiological strategies for life in a different environment. A course for majors and minors in biology.

Prerequisite(s): BIOL 141.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (2-2)

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

Term(s) Offered: Fall, Spring

BIOL 152 - Zoology

Credits: 3

A survey of the adaptations and taxonomic relationships of the major animal phyla with emphasis on evolutionary trends. Primarily for majors and minors in biology.

Prerequisite(s): BIOL 141.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (2-2)

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

Term(s) Offered: Fall, Spring

BIOL 176 - Nutrition

Credits: 3

A study of the nutrients, their availability in foods, mechanisms of digestion, absorption, and assimilation into body tissues. Also

included will be a study of special conditions relating to nutrition. Does not apply toward a major or minor in biology. One semester college chemistry recommended.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (3-0)

This course is part of the Core Transfer Library (CTL).

Indiana Statewide Common Course #: IHP 1402.

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

Term(s) Offered: Spring

BIOL 208 - Wildlife Biology

Credits: 3

The course will address basic principles of wildlife ecology and their application in the management of wildlife populations. Topics include population growth, censusing, food habits, predation, harvesting, disease, exotic and endangered species, captive animal management, and conservation. Laboratories will include indoor and outdoor exercises in sampling, habitat evaluation, censusing, and wildlife observation.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (2-2)

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

Term(s) Offered: Fall, alternate years.

BIOL 215 - Ecology

Credits: 3

Introductory survey of the nature and importance of the interactions between organisms and their abiotic and biotic environments. Topics include energy flow, population dynamics, species interactions, community structure and development, and the use of statistics in ecological studies.

Prerequisite(s): BIOL 151 and BIOL 152.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (3-0)

Term(s) Offered: Fall, Spring

BIOL 221 - Introduction to Entomology

Credits: 4

Study of insects, their structure, physiology, taxonomy, development, ecology, economic importance, and their relation to other arthropods.

Prerequisite(s): BIOL 152.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (3-3)

BIOL 225 - Biological Literature and Communication

Credits: 2

This course is an introduction to scientific communication in biology. Topics covered will include the structure of primary literature in biology and outlets for communication of new knowledge in biology, concepts of basic statistical description and inference relevant to biologists, and methods for using biological databases. Hypothesis testing and the hypothetico-deductive method also will be discussed from both the standpoints of statistics and the epistemological foundations of scientific knowledge.

Prerequisite(s): BIOL 141.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (2-0)

BIOL 233 - Biological Aspects of Aging

Credits: 3

A study of the general biological aspects of the aging process with emphasis on homeostatic mechanisms and how age related changes relate to the development of disorder and disease at the molecular, cellular, systemic, and organismal levels of organization. Throughout the course special effort will be made to differentiate normal aging processes from age-related deterioration caused by disuse, misuse, and disease.

Prerequisite(s): BIOL 105 or BIOL 121 or BIOL 152.

BIOL 251 - Environmental Conservation

Credits: 3

This course is designed to introduce students to the basic scientific principles needed to understand the interdisciplinary and multinational (multicultural) nature of environmental issues and concerns. Through a series of lectures, discussions, and videotapes the student will be introduced to environmental issues from scientific viewpoints as well as political, economic, social, and philosophical realms.

USI Core 39: Natural Science (BS); Embedded Experience-Global.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (3-0)

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

Term(s) Offered: Fall, Spring

BIOL 272 - Medical Microbiology

Credits: 3

Structure, physiology, and general characteristics of medically important microorganisms. Included will be a study of host defense mechanisms, infections of human systems, control of infection, and development of microbiological techniques. Primarily for students in nursing, dental hygiene, and respiratory therapy.

Prerequisite(s): one college chemistry course and one college course in human anatomy and/or physiology or BIOL 152 or equivalent.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (2-2)

This course is part of the Core Transfer Library (CTL).

Indiana Statewide Common Course #: ILS 1505.

Term(s) Offered: Fall, Spring

BIOL 282 - Heredity and Society

Credits: 3

Introduction to the principles of human heredity, nature, and expression of genetic material. The medical and social implications of genetics are explored. Biology majors may not enroll.

USI Core 39: Natural Science (BS).

Prerequisite(s): BIOL 105 and chemistry recommended.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (3-0)

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

Term(s) Offered: Spring

BIOL 285 - Animal Behavior

Credits: 3

Using biological studies augmented with video clips, the diversity of animal behavior will be explored in the contexts of genetics, environment, ecology, and evolution. Throughout the course, the process of science will be emphasized as a way to understand animal behavior.

Prerequisite(s): BIOL 105 or BIOL 112 or BIOL 114 or BIOL 121 or BIOL 122 or BIOL 133 or BIOL 141 or BIOL 176 or BIOL 208 or BIOL 251 or BIOL 282 or other as approved by instructor.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (3-0)

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

BIOL 305 - Aquatic Biology

Credits: 4

Dimensions of the physical, chemical, and biological factors of lakes, streams, and estuaries; including the study of benthos and vertebrates with emphasis on identification, classification, anatomy, physiology, and ecology. Indiana species will be emphasized but other important species will be included. Laboratory will be devoted to exploring techniques for evaluation of various aquatic parameters and the identification of organisms.

Prerequisite(s): BIOL 151 and BIOL 152.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (3-2)

Term(s) Offered: Fall (alternate years)

BIOL 306 - Ichthyology

Credits: 4

Introduction to the study of fishes including their evolution, ecology, and conservation. The course will place a special emphasis on the North American fresh water fauna.

Prerequisite(s): BIOL 152.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (3-2)

Term(s) Offered: Spring

BIOL 308 - Vertebrate Biology

Credits: 4

Lecture, laboratory, and field work on vertebrates; including identification, morphology, natural history, and evolution.

Prerequisite(s): BIOL 152 or consent of instructor.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (3-2)

Term(s) Offered: Spring (alternate years)

BIOL 321 - Invertebrate Zoology

Credits: 4

Study of the natural history, classification, adaptation, life cycles, physiology, and anatomy of invertebrate animals.

Prerequisite(s): BIOL 152 or consent of instructor.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (3-3)

Term(s) Offered: On demand.

BIOL 333 - Animal Physiology

Credits: 4

An in-depth systems approach will be used to study physiological processes in vertebrate animals with an emphasis on mammals. The course will focus heavily on cellular and molecular mechanisms. Laboratories will include the use of living tissues for the purpose of demonstrating concepts covered in the lecture portion of the course.

Prerequisite(s): BIOL 152, CHEM 241, or CHEM 353 or concurrently, or consent of instructor.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (3-3)

Term(s) Offered: Fall, Spring

BIOL 334 - Cell Biology

Credits: 3

An examination of the organization, functions, properties, and processes of eukaryotic cells, with selected comparisons to prokaryotic cells. Topics include the structure, flow, and expression of genetic information; the cell cycle; cellular energetics; membrane structure and function including cell signaling and transport; cell compartments and molecular trafficking; and the cytoskeleton and extra cellular structures.

Prerequisite(s): BIOL 141 and CHEM 241 or CHEM 353.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (3-0)

Term(s) Offered: Fall, Spring

BIOL 335 - Mechanisms of Pathophysiology

Credits: 3

A systems approach will be utilized to understand underlying mechanisms of the disease process and how these mechanisms relate to and cause overt signs and symptoms. The content will emphasize normal homeostatic controlling mechanisms, how pathophysiological mechanisms disturb homeostasis and cause dysfunction.

Prerequisite(s): one course in college physiology, BIOL 334, and one course in college chemistry or consent of instructor.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (3-0)

Term(s) Offered: On demand

BIOL 336 - Plant Physiology

Credits: 4

The course probes the major questions of plant physiologic and biochemical function at the sub cellular, cellular, tissue, and whole-plant levels of organization. Attention also is paid to the role of plant physiological response to the biotic and abiotic environment. Lecture areas include photobiology, carbon balance, transport processes, mineral nutrition, and biochemical defense; laboratory investigations will combine classic demonstrations of plant physiological principles with modern and investigative studies.

Prerequisite(s): BIOL 151.

Co-Requisite(s) (must be taken at same time as): CHEM 241 or CHEM 353 or consent of instructor.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (3-3)

BIOL 341 - Mycology

Credits: 4

Comparative study of the major groups of fungi. Survey will include morphological, ecological, and taxonomic aspects of plant parasitic, mycorrhizal, human pathogenic, and saprophytic fungi. Laboratory work will include local field trips, specimen identification, and experience in culturing various types of fungi.

Prerequisite(s): BIOL 151 or consent of instructor.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (2-4)

Term(s) Offered: On demand

BIOL 342 - Comparative Chordate Anatomy

Credits: 5

Lecture and laboratory studies of the functional morphology of chordates, with emphasis on the concept of homology.

Prerequisite(s): BIOL 152.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (3-4)

Term(s) Offered: Fall

BIOL 361 - Plant Systematics

Credits: 4

This course provides an introduction to the science of plant systematics, including phylogenetics, principles of botanical nomenclature, types of systemic data, mechanisms of evolution, and the resultant diversity of green plants. An emphasis will be placed on developing skills to collect, preserve, and identify plant specimens. Additionally, students will gain the ability to recognize common native and introduced species of the Indiana flora as well as characteristics associated with the major flowering plant families.

Prerequisite(s): BIOL 151.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (2-4)

Term(s) Offered: Fall (alternate years)

BIOL 371 - Tropical Biology

Credits: 3

An extensive course designed to acquaint the student with natural biological interactions in aquatic and terrestrial environments. The course consists of a period of field study in an area remote from the local campus. Orientation prior to and following course.

Prerequisite(s): BIOL 151 and BIOL 152 or consent of instructor.

Term(s) Offered: Summer

BIOL 375 - Microbiology

Credits: 3

The structure, physiology, identification, and significance of bacteria including an introduction to related organisms and immunology.

Prerequisite(s): BIOL 151 or BIOL 152, and CHEM 262.

Co-Requisite(s) (must be taken at same time as): BIOL 376.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (3-0)

Term(s) Offered: Spring

BIOL 376 - Laboratory in Microbiology

Credits: 2

Principles and laboratory techniques used in the isolation, cultivation, and identification of bacteria.

Co-Requisite(s) (must be taken at same time as): BIOL 375.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (0-4)

Term(s) Offered: Spring

BIOL 378 - Virology

Credits: 3

A survey of the structural mechanisms of replication and pathogenic mechanisms of bacterial, plant, insect, and animal viruses.

Prerequisite(s): BIOL 272 or BIOL 334 or consent of instructor.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (3-0)

Term(s) Offered: Fall

BIOL 381 - Medical Genetics

Credits: 3

A survey of genetic concepts including patterns of inheritance, gene structure and function, linkage, recombination, and mutation. The clinical consequences of mutations and chromosome abnormalities such as genetic disease, reproductive difficulties, pediatric disorders, and cancer are related to their underlying genetic basis. Genetic counseling, genetic screening, and gene therapy are discussed. Biology majors may not enroll.

Prerequisite(s): (CHEM 103 or CHEM 107 or CHEM 141 or CHEM 175 or CHEM 261 or other as approved by instructor) and (BIOL 121 and BIOL 122).

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (3/0)

BIOL 382 - Genetics

Credits: 4

The cellular and molecular basis of gene transmission, expression, interaction, mutation, mapping, and regulation. Includes

laboratory investigations using molecular and classical techniques.

Prerequisite(s): BIOL 141 and either CHEM 241 or CHEM 353 (may be taken concurrently).

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (3-3)

Term(s) Offered: Fall, Spring

BIOL 422 - Immunology

Credits: 3

An introduction to the concepts and applications of immunology. The course emphasizes the structure, function, regulation, and development of the immune system. Immunopathology is included.

Prerequisite(s): BIOL 334 or consent of instructor.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (3-0)

Term(s) Offered: Spring

BIOL 431 - General Endocrinology

Credits: 3

The glands of internal secretion, including their structure, biochemistry, and physiology.

Prerequisite(s): BIOL 333, CHEM 241 or CHEM 354 recommended.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (3-0)

Term(s) Offered: On demand

BIOL 434 - Macromolecules and Metabolism

Credits: 4

Biological molecules, enzymology, intermediary metabolism, and regulation of biochemical processes from a functional context. The cellular and molecular basis of selected diseases and treatment are included.

Prerequisite(s): CHEM 241 or CHEM 354; BIOL 334.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (4-0)

Term(s) Offered: Fall, Spring

BIOL 436 - Molecular Biology Techniques

Credits: 4

A project-oriented laboratory course focusing on the isolation, manipulation, analysis and expression of nucleic acids using molecular biology techniques. Techniques vary among projects and typically include DNA restriction, subcloning, pcr, primer

design, blot analysis, and introductory bioinformatics. Other techniques are used when appropriate.

Prerequisite(s): BIOL 382, CHEM 354 or CHEM 241, or consent of instructor.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (2-6)

Term(s) Offered: On demand.

BIOL 442 - Histology

Credits: 4

This course is an introduction to the study of vertebrate tissues and cellular structures through the critical use of the light microscope.

Prerequisite(s): BIOL 333

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (2-4)

Term(s) Offered: Fall

BIOL 452 - Biology and Environmental Science of Global Change

Credits: 3

We examine the major processes, causes, correlates, and consequences of anthropogenic global change from a biological perspective. These include climate change and carbon cycle disruption, nitrogen cycle disruption, and habitat conversion as well as global species extinctions, movements, and introductions. We also explore alterations of ecosystems that result and consider issues surrounding adaptation, mitigation of global change processes.

Prerequisite(s): BIOL 215 or permission of instructor.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (3-0).

Term(s) Offered: On demand

BIOL 459 - Advanced Ecology

Credits: 4

This course will cover advanced topics in ecology as determined by the interest of the instructor. Potential topics include behavioral ecology, microbial ecology, physiological ecology, and population ecology. Laboratories will provide opportunities to collect and analyze data germane to lecture topics.

Prerequisite(s): BIOL 215, or consent of instructor.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (3-3)

Repeatability: May be repeated with change in topic for a maximum of 8 hours

Term(s) Offered: On demand

BIOL 460 - Internship

Credits: 1-4

A supervised learning and work experience in biology which enhances the student's understanding of and appreciation for the application of biological knowledge and skills. Students can earn from 1-4 credits.

Prerequisite(s): Junior standing in the major and consent of instructor/chair.

Repeatability: A maximum of 4 credits from among BIOL 460, BIOL 470 and BIOL 499 is allowed towards the biology major.

BIOL 461 - Developmental Biology

Credits: 4

This is an introduction to the study of morphogenesis and differentiation of tissues. Lecture and laboratory sessions will include an integration of classical, molecular, and evolutionary perspectives in the development of vertebrate embryos.

Prerequisite(s): BIOL 152 and BIOL 334.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (3-3)

Term(s) Offered: Spring

BIOL 465 - Plant Growth and Development

Credits: 4

This course examines plant growth and development. Factors that affect development of the plant will be studied. The role of growth regulators, the environment, and genetics in plant growth regulation will be emphasized. The laboratory will have a strong investigative component.

Prerequisite(s): BIOL 151 and BIOL 334 or consent of instructor. Completing BIOL 382 is not essential for success in this course. However, completion of BIOL 334 is important. The prerequisite content necessary to understand plant growth and development is covered to a large extent in BIOL 334 rather than BIOL 382

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (3-3)

Term(s) Offered: Alternate years.

BIOL 470 - Independent Study

Credits: 1-4

Readings and/or literature surveys covering selected biological topics not part of the established departmental curriculum.

Prerequisite(s): Consent of instructor

Repeatability: A maximum of 4 credits from among BIOL 460, BIOL 470 and BIOL 499 is allowed towards the biology major.

BIOL 476 - Bacterial Pathogenesis

Credits: 3

Bacterial Pathogenesis is designed to introduce the Biology major to the diverse ways bacterial pathogens cause disease at the cellular and organismal levels, with an emphasis on bacterial pathogens. This lecture course will lay a strong foundation for the understanding of host-parasite interactions, mechanisms of pathogenicity, and a general knowledge of infectious disease. Primary literature that addresses the newest developments of bacterial pathogenicity will be integrated into the required reading. Students will be required, at the end of the course, to give a presentation on an assigned pathogen which will focus on the topics covered in the class.

Prerequisite(s): BIOL 375 and BIOL 376 or BIOL 272; and BIOL 333 and BIOL 334; or consent of the instructor

BIOL 481 - Organic Evolution

Credits: 3

A discussion of the science of evolution and how evolutionary theory can explain the diversity of life on earth. Topics include evidence for macroevolution, the history of evolutionary thought, adaptation, population genetics, speciation, and human evolution. As a synthesis course, contemporary issues such as the role of evolution in science education and evolutionary explanations for human behavior will be framed by appropriate scientific, historical sociological, and psychological perspectives.

Prerequisite(s): BIOL 215 and junior status in science or consent of instructor.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (3-0)

Term(s) Offered: Fall, Spring

BIOL 482 - Molecular Biology

Credits: 3

Advanced topics in gene structure, expression, regulation, maintenance, and modification. Examples selected from eukaryotic, prokaryotic, and viral systems. Topics include the mapping, analysis, and manipulation of genes; the analysis and expression of genomes and proteomes; and molecular genetic applications in forensics, agriculture, industry, and medicine.

Prerequisite(s): BIOL 334, BIOL 382, and CHEM 241 or CHEM 354, or consent of instructor.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (3-0)

Term(s) Offered: Alternate years

BIOL 490 - Undergraduate Teaching

Credits: 1

A course designed to give practical experience to biology majors in teaching a laboratory class. Duties involve preparation and set-up prior to class and answering student questions during the laboratory session. Design and administration of laboratory tests as well as grading homework will be a component of preparation. Students will be expected to attend staff meetings as appropriate for the course assignment. Hours do not apply to Core 39, the University Core Curriculum or the biology major.

Prerequisite(s): consent of department chair.

Term(s) Offered: Fall, Spring, Summer

BIOL 491 - Special Topics in Biology

Credits: 1-4

A course for biology majors in which special topics are considered in an individual or seminar format.

Prerequisite(s): Consent of instructor.

Term(s) Offered: Fall, Spring, Summer

BIOL 493 - Biology Colloquium

Credits: 2

This course will train students with research results to communicate those results to the scientific community as professionals. The focus of the course will be on rapid communication methods used in professional conferences and meetings. Oral and poster presentation methods will be covered. The culmination of this course will be a colloquium in which student participants will present their research to the biology department and the University at large.

Prereq or Coreq: BIOL 499.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (2-0)

BIOL 495 - Senior Seminar in Biology

Credits: 1

A seminar course in selected topics of current biological interest.

Prerequisite(s): Consent of instructor.

Term(s) Offered: On demand.

BIOL 499 - Independent Research

Credits: 1-3

Course consists of individual undergraduate research in an area of common interest to student and instructor.

Prerequisite(s): Consent of instructor.

Repeatability: May be repeated; a maximum of 4 credits from among BIOL 460 , BIOL 470 and BIOL 499 is allowed towards the biology major.

Term(s) Offered: Fall, Spring, Summer

BLAW 263 - Legal Environment of Business

Credits: 3

Required: Business Core requirement for all business majors. An introduction to the legal system within which business organizations operate, as well as ethical considerations and social and political influences that affect such organizations by changing the legal system.

Prerequisite(s): sophomore standing.

Term(s) Offered: Fall, Spring, Summer

BLAW 363 - Law for the Entrepreneur

Credits: 3

This course provides an overview of the legal issues involved in starting and running a business. Students become limited owners of an actual on-going business, which they operate. Topics covered include, but are not limited to, legal matters in a commercial setting, as well as continued preparation for legal subjects covered in the CPA/CMA exams.

Prerequisite(s): BLAW 263.

Term(s) Offered: Fall

BSED 393 - Methods of Teaching Computer Courses

Credits: 3

Objectives, planning, methods, materials, and devices for teaching computer applications. A hands-on approach to the use of the microcomputer in business education classes; use of business software; and analysis and design of programs for business education courses.

Prerequisite(s): CIS 261.

BSED 397 - Methods of Teaching Business Education

Credits: 3

Emphasis on instructional methods and materials used in teaching business education subjects. Also includes class organization, equipment needs, standards, and evaluation.

Prerequisite(s): ACCT 201, ECON 208, and EDUC 221

BUAD 499 - Business Professional Practice

Credits: 1-3

A cooperative work-study program designed to: (1) provide undergraduate business students realistic work experience to improve the depth of understanding of the nature of American and international business; (2) develop student maturity and confidence to determine in which areas of business they should seek their professional careers; and, (3) create a work situation where advanced business courses are made more meaningful as a result of the perspective that comes from such a professional experience.

Prerequisite(s): Students must have completed or be enrolled in his/her 63rd semester hour of credit including the following courses: ACCT 201, ACCT 202, ECON 208, ECON 209, ECON 265, ENG 201, CMST 101. A minimum overall 2.75 GPA, and minimum 2.75 GPA in all business courses. Consent of the Assistant Dean.

Repeatability: Repeatable for a maximum of six credit hours applied as electives in a business bachelor's degree program.

Grading: Grades assigned as Satisfactory or Unsatisfactory only.

CE 221 - Surveying

Credits: 3

Care and use of tapes, level, transit, electronic distance measuring equipment and data collector; differential leveling, traversing, closure and area computations, reduction and plotting of field notes of topographic surveys.

Prerequisite(s): ENGR 107 and MATH 230.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (2-3)

CE 323 - Transportation Engineering

Credits: 3

Introduction to transportation and the planning of transportation systems. Highway and airfield design criteria. Operational characteristics of transportation systems.

Prerequisite(s): ENGR 222 and CE 381.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (3-0)

CE 361 - Structural Analysis

Credits: 4

Classification of structures, loads, reactions, shear and moment diagrams, trusses, framed structures, influence lines, moving loads, deflections, and analysis of statically indeterminate structures, including moment distribution.

Prerequisite(s): ENGR 355.

CE 381 - Soil Mechanics

Credits: 3

Physical and index properties of soil, soil classification, soil-water interaction, stresses, settlement, and shear strength will be studied. Laboratory experiments will include Atterberg Limits, grain size analysis, shear strength, consolidation, and Proctor tests.

Prerequisite(s): ENGR 355.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (2-3)

CE 441 - Environmental Engineering

Credits: 4

Study of environmental systems, water/air/soil resources, environmental legislation, and design of pollution control equipment. Topics include legislation review, water chemistry, water treatment, wastewater treatment, air pollution abatement, solid waste management, and hazardous waste treatment.

Prerequisite(s): ENGR 375 and CHEM 261.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (3-3)

CE 451 - Water Resources and Hydrologic Design

Credits: 4

Study of the hydrologic cycle. Topics include precipitation analysis, infiltration analysis, groundwater flow, unit hydrograph development, hydrologic probabilities, and flow measurement. This course will consider both design of water use and water excess management facilities.

Prerequisite(s): ENGR 375.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (3-3)

CE 461 - Reinforced Concrete Design

Credits: 4

Design of reinforced concrete structures for bending, shear and diagonal tension, axial load and bending, development lengths and splices, including retaining walls and reinforced concrete foundations.

Prerequisite(s): CE 361.

CE 462 - Steel Design

Credits: 4

Design of steel structures for tension members, beams and columns, bolted and welded connections, including plate girders using the latest LRFD specifications.

Prerequisite(s): CE 361.

CE 481 - Geotechnical Engineering Design

Credits: 3

Topics that will be studied include bearing capacity, isolated and combined footing design, lateral earth pressure, retaining wall design, pile and pier design, slope stability, and design of foundations for seismicity. Professional and ethical responsibility and legal ramifications of design problems also will be considered.

Prerequisite(s): CE 381 and CE 461.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (3-0)

CHEM 103 - Molecules, Matter, and Me

Credits: 3

This introductory chemistry class is designed to give knowledge and understanding of selected important facts and principles of chemistry. Topics such as nuclear energy, radiation, global warming, and ozone depletion are investigated.

USI Core 39: Natural Science (BS).

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (3-0)

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

Term(s) Offered: Fall, Spring, Summer

CHEM 107 - Elements in Everyday Chemistry

Credits: 4

An introductory chemistry course that uses selected important facts and principles to explain interesting phenomena such as global warming, ozone depletion, nuclear energy, acid rain, etc. A laboratory experience enhances the understanding of chemistry.

USI Core 39: Natural Science with Lab (BA and BS).

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (3-3)

This course is part of the Core Transfer Library (CTL).

Indiana Statewide Common Course #: IPS 1720.

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

Term(s) Offered: Fall, Spring, Summer

CHEM 108 - Chemistry for Educators

Credits: 2

This course provides an inquiry based approach to learning foundational concepts of chemistry with coverage of chemistry's influence on society where appropriate. Topics will include scientific method, nature of matter, atomic structure, bonding theories, chemical reactions and thermochemistry. Issues related to laboratory safety including proper handling, storage, and disposal of chemicals are addressed. This course is intended for teacher candidates only.

USI Core 39: Ways of Knowing-Scientific and Mathematical Inquiry; Natural Science with Lab (BA and BS).

Prerequisite(s): Grade of C or better in PHYS 108, PHYS 175 or PHYS 205 or consent of instructor.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (1-1.5)

CHEM 141 - Principles of Chemistry

Credits: 4

Selected principles and applications of inorganic, physical, organic, and biochemistry with laboratory experiments illustrating the principles covered.

USI Core 39: Ways of Knowing-Scientific and Mathematical Inquiry; Natural Science with Lab (BA and BS).

Prerequisite(s): working knowledge of algebra.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (3-3)

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

Term(s) Offered: Fall, Spring, Summer

CHEM 175 - Survey of Chemical Concepts

Credits: 4

A broad introduction to chemical concepts selected to enhance the background of beginning science majors.

Prerequisite(s): high school chemistry or consent of instructor.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (3-3)

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

Term(s) Offered: Fall, Spring

CHEM 218 - Chemistry Seminar I

Credits: 1

This course provides an introduction to chemical literature, scientific writing, and science ethics. Students will conduct literature searches and prepare outlines, summaries, and reports and give a poster presentation on various topics.

USI Core 39: Embedded Experience -Writing.

Prerequisite(s): ENG 201 and CHEM 353 (may be taken concurrently).

Co-Requisite(s) (must be taken at same time as): CHEM 353

Term(s) Offered: Fall, Spring

CHEM 241 - Organic/Biochemistry Principles

Credits: 4

The major emphasis is on introductory principles of organic and biochemistry.

Prerequisite(s): CHEM 261 and CHEM 262 or equivalent.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (4-0)

This course is part of the Core Transfer Library (CTL).

Indiana Statewide Common Course #: IPS 1723.

Term(s) Offered: Fall

CHEM 261 - General Chemistry I

Credits: 4

A systematic study of the essential nomenclature, hypotheses, theories, and laws of chemistry necessary for chemistry majors and minors. Some of the topics presented in the course include stoichiometry, atomic structure, thermochemistry, solutions, crystal structure, and gas laws.

USI Core 39: Natural Science with Lab (BA and BS).

Prerequisite(s): MATH 111, MATH 114, MATH 115, or MATH 118 (may be taken concurrently); or placement into MATH 230 or exempt from Math placement testing; or CHEM 175; or consent of instructor.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (3-3)

This course is part of the Core Transfer Library (CTL).

Indiana Statewide Common Course #: IPS 1721.

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

Term(s) Offered: Fall, Spring, Summer

CHEM 262 - General Chemistry II

Credits: 4

A continuation of CHEM 261 with some laboratory work in qualitative analysis. Some of the topics presented include kinetics, equilibrium, ionic equilibrium, thermodynamics, electrochemistry, and nuclear and organic chemistry.

USI Core 39: Ways of Knowing-Scientific and Mathematical Inquiry; Natural Science with Lab (BA and BS).

Prerequisite(s): CHEM 261 or equivalent.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (3-3)

This course is part of the Core Transfer Library (CTL).

Indiana Statewide Common Course #: IPS 1722.

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

Term(s) Offered: Fall, Spring, Summer

CHEM 318 - Chemistry Seminar II

Credits: 1

Students will use online databases such as Dialog, Scifinder, and STN to research chemistry literature and patents in order to prepare scientific manuscripts and present a seminar on a chemistry literature paper. Students will also participate in mock interviews and learn about graduate school and career options.

USI Core 39: Embedded Experience-Writing.

Prerequisite(s): CHEM 218 and CHEM 354 (may be taken concurrently) and ENG 201.

Term(s) Offered: Fall

CHEM 321 - Quantitative Analysis

Credits: 4

The principles and techniques of gravimetric, volumetric, spectrophotometric, electrochemical analysis, and chromatography are developed in lecture and laboratory.

Prerequisite(s): CHEM 262 or consent of instructor.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (3-3)

Term(s) Offered: Spring, Summer

CHEM 341 - Environmental Chemistry

Credits: 3

A combination field, lecture, demonstration, and laboratory course to study the collection, analysis, and effects of chemicals in the environment.

Prerequisite(s): CHEM 321 and CHEM 353, or consent of instructor.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (2-3)

Term(s) Offered: Fall, odd-numbered years.

CHEM 351 - Polymer Chemistry

Credits: 3

This course provides an introduction to macromolecules, standard methods of polymer synthesis, chemical kinetics, and characterization and processing methods.

Prerequisite(s): CHEM 354 or consent of instructor.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (2-3)

Term(s) Offered: Spring, odd-numbered years.

CHEM 353 - Organic Chemistry I

Credits: 4

A development of the fundamentals of aliphatic and aromatic organic chemistry with special emphasis on structure and mechanism. Structure, nomenclature, and physical properties of all organic functional groups are included.

Prerequisite(s): CHEM 262.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (3-3)

Term(s) Offered: Fall, Spring, Summer

CHEM 354 - Organic Chemistry II

Credits: 4

A continuation of CHEM 353 including alicyclic and aromatic compounds.

Prerequisite(s): CHEM 353.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (3-3)

Term(s) Offered: Fall, Spring, Summer

CHEM 361 - Survey of Physical Chemistry

Credits: 4

Coverage includes selected topics from applied chemical thermodynamics, kinetics, statistical mechanics and quantum mechanics. Required expressions are developed from fundamental principles utilizing calculus. A laboratory experience providing exercises in thermodynamics, kinetics, and spectroscopy is included. Biological applications are explored in lecture and laboratory when appropriate.

Prerequisite(s): MATH 230, PHYS 176 (or PHYS 206), and CHEM 321.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (3-3)

Term(s) Offered: Fall

CHEM 418 - Chemistry Seminar III

Credits: 1

Using skills gained from 218 and 318, students will write a comprehensive literature review article on an approved chemistry

topic and provide an oral presentation to the class.

USI Core 39: Embedded Experience-Writing.

Prerequisite(s): ENG 201 and CHEM 318.

Term(s) Offered: Spring

CHEM 421 - Instrumental Analysis

Credits: 4

This course introduces students to the instruments and techniques used in modern chemical analysis. The course will emphasize spectrophotometry, electrochemical analysis, chromatography, and mass spectrometry, and will provide an introduction to the electronics of modern chemical instrumentation. Laboratory work provides students with experience using techniques described in this course.

Prerequisite(s): CHEM 321, CHEM 354, and PHYS 176 or PHYS 206.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (2-6)

Term(s) Offered: Fall

CHEM 431 - Biochemistry I

Credits: 4

Biochemistry of amino acids, proteins, nucleic acids, lipids, carbohydrates, and the actions of enzymes. Encompasses chemical properties and techniques involved in the study of these macromolecules and their monomeric units.

Prerequisite(s): CHEM 354, BIOL 334, or consent of instructor; recommended CHEM 321.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (3-3)

Term(s) Offered: Fall

CHEM 432 - Biochemistry II

Credits: 4

Continuation of 431 including major metabolic pathways with emphasis on energy considerations and interrelationships of the pathways, inorganic metabolism, acid-base balance, and hormones.

Prerequisite(s): CHEM 431.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (3-3)

Term(s) Offered: Spring

CHEM 441 - Inorganic Chemistry

Credits: 4

Introduction to the chemistry of all the elements, developed from the principles governing atomic structure and bonding, with special emphasis on transition metal and organometallic chemistry.

Prerequisite(s): CHEM 354 or consent of instructor.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (3-3)

Term(s) Offered: Spring

CHEM 453 - Advanced Organic Chemistry

Credits: 3

Advanced course in organic chemistry in which selected topics will be examined.

Prerequisite(s): CHEM 354.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (2-3)

Term(s) Offered: Spring, even-numbered years.

CHEM 461 - Physical Chemistry I

Credits: 4

Introduction to kinetic molecular theory, chemical thermodynamics, and kinetics. Students will explore the development of these theories from fundamental principles using multivariable calculus. Selected results from statistical mechanics also will be included. Laboratory work is designed to engage students in practical application of these theories and to expand their understanding of formal scientific communication.

Prerequisite(s): CHEM 321, MATH 235, and PHYS 206. MATH 335 is recommended but not required.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (3-3)

Term(s) Offered: Fall

CHEM 462 - Physical Chemistry II

Credits: 4

Introduction to the theory of quantum mechanics including its applications to spectroscopy. As a continuation of 461 this course also will contain selected topics in thermodynamics and statistical mechanics. Students will explore the development of quantum mechanics from fundamental postulates using multivariable calculus. Laboratory work is designed to engage students in practical application of theoretical principles and to expand their understanding of formal scientific communication.

Prerequisite(s): CHEM 461. MATH 335 is recommended but not required.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (3-3)

Term(s) Offered: Spring

CHEM 490 - Undergraduate Teaching Experience in Chemistry

Credits: 1-3

Course designed to provide students with practical exposure to and experience with the college teaching profession. Students will work closely with individual faculty to learn and experience first-hand the range of duties performed by college professors in chemistry. Students will assist faculty in activities such as laboratory instruction, exam preparation, grading, and development of course materials and exercises. Intended for academically talented chemistry majors who aspire to careers in the professorate or high school teaching. Tuition waiver provided.

Prerequisite(s): Junior or senior standing plus consent of supervising instructor and department chair. This course does not satisfy any requirement in the Core Curriculum and will not be counted toward the chemistry major.

Term(s) Offered: Fall, Spring, Summer

CHEM 499 - Introduction to Research

Credits: 1-2

Original problems in experimental and theoretical chemistry.

Prerequisite(s): consent of instructor and approval of department chair.

Repeatability: May be repeated up to eight hours.

Term(s) Offered: Fall, Spring, Summer

CHIN 101 - Beginning Chinese I

Credits: 3

Fundamentals of Chinese; no previous Chinese required. Emphasis on the four language skills of listening, speaking, reading, and writing in the cultural context of the Chinese-speaking countries. In addition to the regular class meetings, students are required to complete one hour per week in language lab.

USI Core 39: World Languages-BA; World Language and Culture-BS; Embedded Experience Diversity.

Term(s) Offered: Fall

CHIN 102 - Beginning Chinese II

Credits: 3

Fundamentals of Chinese; continuation of CHIN 101. Emphasis on the four language skills of listening, speaking, reading, and writing in the cultural context of the Chinese-speaking countries. In addition to the regular class meeting, students are required to complete one hour per week in the language lab.

USI Core 39: World Languages-BA; World Language and Culture-BS; Embedded Experience Diversity.

Prerequisite(s): CHIN 101 or consent of instructor.

Term(s) Offered: Spring

CHIN 203 - Intermediate Chinese I

Credits: 3

Continuation of CHIN 102. Emphasis on the four language skills of listening, speaking, reading, and writing in the cultural context of the Chinese-speaking countries. In addition to the regular class meeting, students are required to complete one hour per week in language lab.

USI Core 39: World Languages-BA; World Language and Culture-BS; Embedded Experience Diversity.

Prerequisite(s): CHIN 102 or consent of instructor.

Term(s) Offered: Fall

CHIN 204 - Intermediate Chinese II

Credits: 3

Continuation of CHIN 203. Emphasis on the four language skills of listening, speaking, reading, and writing in the cultural context of the Chinese-speaking countries. In addition to the regular class meeting, students are required to complete one hour per week in language lab.

USI Core 39: Ways of Knowing-World Languages and Culture; World Languages-BA; World Language and Culture-BS; Embedded Experience-Diversity.

Prerequisite(s): CHIN 203 or consent of instructor.

Term(s) Offered: Spring

CHIN 499 - Individual Study in Chinese

Credits: 1-3

Research or advanced study of a specific area of Chinese literature, culture, education, or language, culminating in an analytical paper or comprehensive exam.

Prerequisite(s): Approval of department chairperson.

Repeatability: May be taken up to 6 credit hours.

CIS 111 - Introduction to Computer Information Systems

Credits: 3

An introduction and overview of the important role computer information systems play in modern businesses and organizations.

In addition, the many aspects of computer information systems such as history, hardware, operating systems, applications software, networks, systems integration, programming logic, and digital thinking are discussed. This class will take advantage of laboratory assignments that will give students "hands-on" experience and thus allow them to become comfortable with the many topics discussed.

Term(s) Offered: Fall, Spring

CIS 141 - Computer Skills for Non-Business Majors

Credits: 3

Introduction to Windows and Microsoft Word, Excel, and PowerPoint skills for college survival.

Term(s) Offered: Fall, Spring

CIS 151 - Computer Applications in Business

Credits: 3

Survey of business computer applications emphasizing microcomputers and applications software packages to business. Included are applications with word processing, spreadsheets, presentation programs, file and database management systems, and other software packages used in business.

This course is part of the Core Transfer Library (CTL).

Indiana Statewide Common Course #: IPS 1740.

Term(s) Offered: Fall, Spring, Summer

CIS 261 - Advanced Microcomputer Applications

Credits: 3

A continuation of the development of microcomputer applications and problem-solving skills. Provides a basic review of the Windows interface and file management features; explores advanced spreadsheet and database concepts; and provides an introduction to presentation software, the Internet, and integration across word processing, spreadsheet, and database applications.

Prerequisite(s): CIS 151 or equivalent.

Term(s) Offered: Fall, Spring, Summer

CIS 276 - Introduction to Enterprise Web Development

Credits: 3

This course provides an introduction to the socio-behavioral impact of the Internet and the www, and shows how this drives development of web site solutions for effective business use. This is accomplished through a multifaceted approach consisting of theory in graphics, technical writing, and information technology solutions.

Term(s) Offered: Fall

CIS 305 - Management Information Systems

Credits: 3

An introduction to management information systems. Fundamental concepts of information are explained and integrated into organizational structures. Basic system modeling tools and techniques are introduced. The importance of the computer and information are emphasized. The use of information as an organizational resource is studied. The strategic use of information technology in an organization to gain a competitive advantage will be emphasized throughout the course.

Prerequisite(s): CIS 151, ACCT 201 and ACCT 202*, ECON 208 and ECON 209*, and junior standing. (Courses marked * may be taken concurrently with CIS 305.)

Term(s) Offered: Fall, Spring

CIS 335 - Seminar in Information Systems

Credits: 3

The Seminar in Information Systems enables faculty to offer students in the CIS Management track the opportunity to study contemporary issues in management information systems not covered in depth in other departmental courses. Specific topic, method of presentation and student requirements will be designated by the seminar leader.

Prerequisite(s): CIS 305.

Term(s) Offered: Fall

CIS 345 - Information Systems Security and Risk Management

Credits: 3

An intermediate level course providing in-depth coverage of the motivations, architectures, and implementations of security-related policies, technologies, and practices to better protect information systems against possible threat.

Prerequisite(s): CIS 305

Term(s) Offered: Spring

CIS 361 - Using VBA

Credits: 3

An introduction to Visual Basic for Applications (VBA), which is the foundation for exploiting the full potential of applications such as Microsoft Word, Excel, and Access. Course topics will include techniques to automate repetitive tasks, principals of design that provide criteria for creating interfaces that effect correct results as well as stimulate user interest, interactive objects, and structured programming techniques.

Prerequisite(s): CIS 261.

CIS 367 - Data Communications

Credits: 3

This course is designed to give the student a thorough understanding of the existing use of data communication networks as well as future developments in the area of telecommunications. The course topics will include the basic hardware needed for a functioning network, basic technical concepts of data communications, the various types of network configurations, and circuits. Also needed will be network design techniques, protocols, software, network architecture, local area networks, network management, and security and control issues related to networks.

Prerequisite(s): CIS 305 and junior standing.

Term(s) Offered: Fall, Spring

CIS 375 - Systems Analysis and Design

Credits: 3

This course is an in-depth study of the business information system development life cycle, emphasizing the investigation, systems analysis, and logical design phases. Analysis and design techniques are presented which are used to develop computer-based systems. Analysis and design of a variety of business information systems are covered and CASE technology is introduced.

Prerequisite(s): ACCT 201, CIS 305, and junior standing. (A programming language is recommended.)

Term(s) Offered: Fall, Spring

CIS 376 - Programming for Enterprise Web Development

Credits: 3

An intermediate course in the web development curriculum focusing on specific technical skills. Concentration for this course will be on HTML, XHTML, CSS, and Javascript though supplementary topics on client side web page design will be covered.

Prerequisite(s): CIS 276

Term(s) Offered: Spring

CIS 377 - Introduction to Database Concepts

Credits: 3

Introduction to database theory. Discussion of data structures, indexed and direct file organizations, models of data including hierarchical, network, and relational. Discussion of data analysis, design, implementation, and database administrator functions. Application of database, data definition languages, data manipulation languages, and/or data manipulation through a host

language.

Prerequisite(s): CIS 261

Cross-Listed: Dual listing as CS 377.

Term(s) Offered: Fall, Spring

CIS 385 - Enterprise Resource Planning

Credits: 3

The broad objectives of this courses are to give a foundation in core concepts related to ERP and its core components, critique the implications of ERP for organizational functioning, evaluate the issues related to ERP implementation, and demonstrate teamwork and decision-making skills.

CIS 454 - Managing Information Technology

Credits: 3

An introduction to the financial, technical, and strategic information systems planning process. Emphasis is on the relationship of the information systems planning process to overall business goals, policies, plans, management style, and industry conditions. The selection of large system projects, assessment of a currently installed system, determining approaches to staffing, software, hardware, processing, and financing an information system are studied.

Prerequisite(s): CIS 305.

Term(s) Offered: Fall

CIS 476 - Advanced Enterprise Web Development

Credits: 3

This course is an advanced study of enterprise web development focused on server side programming concepts and applications required to support the typical business environment in the Internet age. Information needs of the typical business will be examined, along with ways of providing this information through the use of Internet applications. Selected web development tools will be used to illustrate the necessary programming techniques, database connectivity, and utilization required to provide the desired results. Lab assignments will be used to master programming language, database systems, and problem solving skills.

Prerequisite(s): CIS 376 and CIS 377

Term(s) Offered: Fall

CIS 477 - Applied Software Development Project

Credits: 3

Application of computer programming and system development concepts, principles, and practices to a comprehensive system

development project. A team approach is used to analyze, design, document, and implement realistic systems of moderate complexity. Use of project management methods, project scheduling and control techniques, formal presentations, and group dynamics in the solution of informal systems problems.

Prerequisite(s): CIS 305, CIS 375, CIS 377, and an advanced programming language. Senior standing.

Term(s) Offered: Fall, Spring

CIS 487 - Special Topics in CIS

Credits: 3

Analysis and study of special topics in computer information systems. Focus is on new developments in information management, hardware and software, ethical issues, and other selected topics.

Prerequisite(s): CIS 305 and senior standing.

CMST 101 - Introduction to Public Speaking

Credits: 3

Principles and practices of oral communications with selected experiences in their use.

USI Core 39: Foundations-Communication.

This course is part of the Core Transfer Library (CTL).

Indiana Statewide Common Course #: ICM 1103.

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

Term(s) Offered: Fall, Spring, Summer

CMST 107 - Introduction to Interpersonal Communication

Credits: 3

Increases understanding of oneself, the many roles one plays in the communication process, and the interpersonal relationships of individuals in society. Course includes nonverbal communication, the role of language in structuring interpersonal situations, and the importance of dialogue in resolving interpersonal conflicts.

USI Core 39: Foundations-Communication.

This course is part of the Core Transfer Library (CTL).

Indiana Statewide Common Course #: ICM 1101.

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

Term(s) Offered: Fall, Spring, Summer

CMST 201 - Introduction to Communication Studies

Credits: 3

This course is designed to introduce students to the academic discipline of Communication Studies. For decades, Communication Studies has been mistaken as a discipline that focuses solely on presentational speaking, speechmaking, and public address. However, these elements within CMST represent only a small fraction of the discipline. This course will be an exploration of all the major areas of the field, the history of CMST as a discipline, the research and writing style associated with CMST, the practical and theoretical tools expected of CMST graduates, and the many careers CMST graduates can explore.

Term(s) Offered: Spring

CMST 203 - Introduction to Performance Studies

Credits: 3

This course will serve two purposes. First, operating on the theory that literature is best understood and appreciated when performed, this course is designed to give students experience performing and analyzing literature. In addition, this course will introduce the many ways we experience performance in our everyday lives.

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

Term(s) Offered: Fall

CMST 204 - Business and Professional Communication

Credits: 3

A study of the theory and principles involved in oral communication situations in the business and professional context. Students will present speeches, participate in interviews, and learn to work in teams. Special attention will be given to the use of computer-mediated communication in each of these units.

Term(s) Offered: Spring

CMST 214 - Group and Team Communication

Credits: 3

Introduces students to the basics of group and team communication. Students learn about the dynamics of group interaction with emphasis on leadership, decision making, and group preparation. Students will be exposed to a variety of group types, including standing committees, ad hoc groups, task forces, special interest groups, and administrative groups.

Term(s) Offered: Fall

CMST 301 - Communication Criticism and Analysis

Credits: 3

The purpose of this course is to familiarize students with basic techniques of planning, conducting, and reporting qualitative human communication research. Focusing on communication criticism as well as ethnographic study, the course will introduce students to methods and theories that can enhance the understanding of most types of communication, including public address,

media events, popular culture, organizational interaction, family conversation, cultural artifacts, or social interaction.

Prerequisite(s): CMST 201 (grade of C or better) and junior standing.

Term(s) Offered: Fall

CMST 303 - Introduction to Persuasion

Credits: 3

This course focuses on our dual roles as producers and consumers of persuasive messages. Students will examine persuasion in a variety of texts and contexts, as well as examine persuasive elements in human interaction and behavior. In addition to learning about the roles logic, credibility, emotion, and cultural tradition play in persuasion, students will learn strategies for constructing effective and ethical persuasive messages.

Prerequisite(s): CMST 201 (grade of C or better) and junior standing.

Term(s) Offered: Spring

CMST 308 - Rhetoric and Diversity

Credits: 3

Students will produce and deliver effective rhetorical messages, actively applying both traditional and more modern rhetorical strategies. The course will begin by studying traditional (e.g., primarily male and Western) notions of rhetoric, argument, and evidence. The focus will then shift to more recent notions of what "rhetoric" can be, particularly by studying rhetorical strategies.

USI Core 39: Embedded Experience-Diversity.

Prerequisite(s): CMST 301 (grade of C or better) and junior standing.

Term(s) Offered: Spring

CMST 313 - Advanced Performance Studies

Credits: 3

Advanced topics in individual performance as a method of textual study, theory, and practice in individual performance as an aesthetic event and rhetorical and social act.

Prerequisite(s): CMST 203 (grade of C or better) or consent of instructor.

CMST 314 - Organizational Communication

Credits: 3

A review of the research and theoretical approaches to organizational communication. This course includes an examination of the

process of selecting appropriate communication channels, a consideration of the ways in which meaning, both verbal and nonverbal, is conveyed, and an exploration of ways in which communication can help to alleviate typical interpersonal problems within organizations.

Prerequisite(s): CMST 204 (grade of C or better) and junior standing.

Term(s) Offered: Fall

CMST 315 - Readers Theatre

Credits: 3

This course will focus upon a variety of forms of Readers Theatre. Experiences will be provided in adapting selections for Readers Theatre and creating original scripts. Students will study techniques of both directing and performing Readers Theatre productions.

Prerequisite(s): CMST 203 (grade of C or better) or consent of instructor.

CMST 317 - Intercultural Communication

Credits: 3

This exploration of cross-cultural communication surveys intercultural theories and problems in communication. It offers a general orientation to intercultural communication, theorizes intercultural transactions, and provides insight into cultural differences.

USI Core 39: Embedded Experience-Diversity.

Prerequisite(s): CMST 107 (grade of C or better) or consent of instructor and junior standing.

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

Term(s) Offered: Spring, Summer

CMST 318 - Conflict, Mediation and Negotiation

Credits: 3

This skills-based service learning course will examine conflict, mediation, and negotiation systems in organizations and other personal contexts. It will focus on interpersonal and organizational factors leading to conflict as well as communicatively competent strategies to manage conflict. The course will provide knowledge and skills related to mediating disputes and negotiating agreements.

Prerequisite(s): CMST 204 (grade of C or better) and junior standing.

Term(s) Offered: Fall

CMST 400 - Independent Study in Communication Studies

Credits: 1-3

This course is designed to provide an opportunity for upper division communications majors and minors to research subject areas in the discipline. A maximum of six hours may be taken; only three may be taken in any one semester. Students who wish to take independent study courses in the Communication Studies curriculum should be aware of the following points: 1) Only six hours of independent study may apply toward a major in communications; 2) No more than three hours of CMST 400 may be directed by the same instructor; 3) Students wishing to enroll in independent study courses must receive written permission from their instructors prior to registration.

Prerequisite(s): 21 hours of Communications Studies courses, upper division status, and written consent of instructor.

Term(s) Offered: Fall, Spring, Summer

CMST 402 - Gender, Communication, and Culture

Credits: 3

This course combines cognitive and experimental approaches to gender and culture as they relate to communication. Students will obtain a critical understanding of gender construction and behavior, as well as learn about gendered conflict, identity, relationships, and differences.

Prerequisite(s): junior or senior standing.

Term(s) Offered: Fall

CMST 407 - Communication and Healthcare

Credits: 3

In this course, students will be introduced to the many ways that we, as human beings, communicate about our health. This seminar has been designed to integrate numerous theoretical and methodological perspectives on health communication in order to give students a broader scope of how health messages and health communication processes are enacted, mediated, conceptualized, and studied. In this course, students will read and analyze how we communicate health messages interpersonally, organizationally, rhetorically, and through the mass media. Furthermore, through studying diverse health communication processes, students should become more aware of how these processes influence and impact each other (e.g., television messages about smoking impact how people discuss tobacco use interpersonally).

Prerequisite(s): CMST 107 (grade of C or better) and junior standing.

Term(s) Offered: Fall

CMST 410 - Seminar in Interpersonal Communication

Credits: 3

The special topics course will offer students the opportunity to examine more closely specialized topics in interpersonal communication. Topics may include areas such as family communication, health communication, relational maintenance, or dialogic communication. Students may repeat this course provided the topic is different. Only six hours may apply toward the communication studies major.

Prerequisite(s): CMST 107 (grade of C or better).

Term(s) Offered: Fall

CMST 414 - Oral Traditions

Credits: 3

This course examines the dynamics of orality, literacy, and tele-literacy to better understand the role oral literacy has played in personal and social expression. Students will examine topics including verbal performance, oral poetry, oral history, folk tales, folk songs, and urban legends.

Prerequisite(s): junior or senior standing.

Term(s) Offered: Fall

CMST 420 - Seminar in Organizational Communication

Credits: 3

This course will offer the students the opportunity to examine more closely specialized issues in organizational research, theory, and application. Topics will vary each semester and may include areas such as values and leadership, organizational advocacy, communication training and development, or organizational culture.

Prerequisite(s): CMST 204 (grade of C or better) and junior standing.

Repeatability: Students may repeat this course provided the topic is different. Only six hours may apply toward the major in communication studies.

Term(s) Offered: Fall

CMST 427 - Family Communication

Credits: 3

This course is designed to enable students to think critically about the communication processes that comprise and define families. In this course, students will be exposed to the numerous methodological and theoretical perspectives taken by contemporary family communication scholars. Moreover, in this course students will learn how to distinguish family communication research from other kinds of scholarship (i.e., family sociology or interpersonal communication) and how to better apply family communication theories and research to their own lives.

Prerequisite(s): CMST 107 (grade of C or better) and junior standing.

Term(s) Offered: Spring

CMST 430 - Seminar in Rhetoric

Credits: 3

This special topics course will offer students the opportunity to examine more closely specialized topics related to the psychological, sociological, or cultural dimensions of persuasion and social influence.

Prerequisite(s): CMST 301 (grade of C or better) and junior standing.

Repeatability: Students may repeat this course provided the topic is different. Only six hours may apply toward the communication studies major.

Term(s) Offered: Spring

CMST 489 - Internship in Communication Studies

Credits: 1-3

Offers students job experience in the discipline through a minimum of 50 hours of supervised professional work per credit hour.

Prerequisite(s): junior standing and consent of instructor.

Repeatability: repeatable to a maximum of 3 hours.

Term(s) Offered: Fall, Spring, Summer

CMST 499 - Special Topics in Communication Studies

Credits: 3

Topics will vary. Purpose of course is to cover topics which are not specific courses in the curriculum.

Prerequisite(s): junior standing.

Repeatability: Students may repeat this course provided the topic is different. Only six hours may apply toward the Communication Studies major.

COMM 190 - Computer Basics

Credits: 1

An introduction to basic computer usage and programs designed around common computer tasks and programs, such as document/page design, photograph manipulation, and graphic design.

Repeatability: Course can be repeated three times when students take course with different tasks and programs.

Term(s) Offered: Fall, Spring

COMM 192 - Introduction to Mass Communication

Credits: 3

Presentation, lectures, and assignments designed to introduce students to the basic concepts of mass communication; to foster an understanding of the roles and functions of communication media in our society; to present concepts and principles of journalism (oral and written); and to prepare students to be intelligent users of media.

This course is part of the Core Transfer Library (CTL).
Indiana Statewide Common Course #: ICM 1102.
Term(s) Offered: Fall, Spring, Summer

COMM 299 - Special Topics in Communications

Credits: 3

Topics will vary. Purpose of course is to cover topics which are not specific courses in the curriculum.

Repeatability: Course may be repeated once if the topic is different from the one previously taken.

COMM 477 - Comparative Structures of Mass Media in a Global Community

Credits: 3

This course examines the history and future of international communications and issues related to mass media in a global community, including ethnic and cultural diversity, media systems, the role of media, freedom of the press, parity between distribution of news and shaping the public mind, international stereotyping, and international propaganda.

Prerequisite(s): junior standing or consent of instructor.

COMM 486 - Diversity in Mass Media

Credits: 3

This course presents issues of diversity in mass media including implications of media stereotyping and other media effects related to portrayals of diversity. The course also examines diversity representation in positions of management and leadership in media outlets that influence editorial decision-making.

Prerequisite(s): Junior/senior standing.

COMM 487 - Independent Project

Credits: 1

Capstone course for Professional Certification students. Working under the direction of the Scripps Howard Center for Media Studies, students research, design and fulfill a learning contract to pursue their particular interests within the certification field. The contract may include formal training outside the program, independent research or study, and/or experiential learning. SERVICE LEARNING course.

Prerequisite(s): consent of instructor.

Grading: Pass/Fail.

COMM 494 - Mass Communication Law and Ethics

Credits: 3

A study of the special laws of libel, First Amendment problems, free press vs. fair trial, copyright, the Internet, ethical issues, and regulatory provisions that pertain to mass media.

Prerequisite(s): junior standing.

Term(s) Offered: Fall, Spring, Summer

COMM 495 - Mass Communication Research

Credits: 3

Theories and applications of research methods for the mass media including survey design, basic statistical procedures, sampling, and the reporting of data.

Prerequisite(s): junior or senior standing.

Term(s) Offered: Fall, Spring

COMM 497 - Career Planning and Professional Development

Credits: 1

This course is designed to prepare the student for transition from college to the job market by examining career options, job search preparation, ethics in professional practice, and leadership skills and development related to decision making.

Prerequisite(s): PRA, JRN, or RTV major or minor and senior standing or consent of instructor.

Term(s) Offered: Fall, Spring

CRIM 200 - Special Topics in Criminal Justice

Credits: 3

This course allows for the study of selected topics of current interest and importance in criminal justice. These topics will vary in accordance with the interests of students and faculty. Students may repeat the course without limit, as the topic changes.

Prerequisite(s): two of the following CJS courses: CRIM 234, CRIM 244, POLS 208, SOC 225.

CRIM 234 - Introduction to Corrections

Credits: 3

This course will examine the historical, philosophical, and theoretical foundations of the correction systems and organizations.

Topics include but are not limited to sentencing options, treatment of prisoners, prisoner subcultures, prison, life, rehabilitative programming for prisoners, prisoner healthcare, prisoners' rights, community-based corrections, prisoner release and reentry, and the nature of working in and managing prisons.

Prerequisite(s): ENG 101 and CMST 101 or CMST 107.

CRIM 244 - Police & Society

Credits: 3

This course explores how the various law enforcement agencies interact with society. The main topics include the history of law enforcement in the U.S. and other countries, and current issues and controversies in policing.

Prerequisite(s): ENG 101 and CMST 101 or CMST 107.

CRIM 301 - Criminal Justice Administration

Credits: 3

Analysis of the public institutions which determine policy and practice in the administration of the criminal justice system. This will include the legislature, the police, the courts, and correctional systems.

Prerequisite(s): two of the following CJS courses: CRIM 234, CRIM 244, POLS 208, SOC 225.

Term(s) Offered: Spring

CRIM 302 - Criminal Law

Credits: 3

History and development of criminal law as a system of social control; the relationship among criminal laws; and the workings of courts and correctional systems.

Prerequisite(s): two of the following CJS courses: CRIM 234, CRIM 244, POLS 208, SOC 225.

Term(s) Offered: Fall

CRIM 311 - Convict Criminology

Credits: 3

This course introduces the "Convict Criminology Perspective" as a means to educate students, prisoners, and general public. Convict Criminology is a new way of thinking about crime and corrections. Convict criminology is a developing field in critical criminology that "... consists primarily of essays and empirical research conducted and written by convicts or ex-convicts, on their way to completing or already in possession of a Ph.D. or by enlightened academics who critique existing literature, policies, and practices, thus contributing to a new perspective on criminology, criminal justice, corrections, and community corrections"

(Ross and Richards, 2003, p. 6) Students will complete required readings, and develop critical thinking and problem-solving skills through interaction with the professor and other students in the classroom. This course provides students with opportunities to discuss course topics and material both in class and through email.

Prerequisite(s): two of the following CJS courses: CRIM 234, CRIM 244, POLS 208, SOC 225.

CRIM 312 - Organized Crime

Credits: 3

The purpose of this courses it to highlight 1) the social perception, nature, and extent of organized crime; 2) theoretical explanations of organized crime; 3) the business of organized crime; 4) measures being taken to combat organized crime in the U.S. and around the world; 5) differing world perspectives on organized crime.

Prerequisite(s): two of the following CJS courses: CRIM 234, CRIM 244, POLS 208, SOC 225.

CRIM 331 - Gender and Crime

Credits: 3

The focus of this course is on women's experiences as victims of crime, perpetrators of crime, prisoners, and as employees and practitioners working with and within the criminal justice system. It includes a discussion of the feminist criminological perspective as it applies to these aforementioned experiences.

Prerequisite(s): two of the following CJS courses: CRIM 234, CRIM 244, POLS 208, SOC 225.

CRIM 370 - Seminar in Criminal Justice

Credits: 3

An intensive, small-group discussion of recent, provocative books on topics of current interest to criminal justice professionals and criminologists. The seminar format will emphasize critical thinking and discussion.

Prerequisite(s): two of the following CJS courses: CRIM 234, CRIM 244, POLS 208, SOC 225.

Repeatability: Students may take the course more than once as the reading list changes.

CRIM 371 - Criminological Theory

Credits: 3

This course is a survey of the historical and contemporary theoretical explanations that relate to crime, offenders, victims, and the criminal justice system. The major emphases of the course will be the evaluation, assessment, and critical analysis of criminological theory in general and the use of such theories in criminal justice policies.

Prerequisite(s): SOC 225 and 6 hours of Criminal Justice Studies.

CRIM 401 - Probation and Parole

Credits: 3

The processes of probation and parole in the United States in terms of its historical development, philosophy, and standards; attention is focused on the utilization of parole and probation as tools of social control with special emphasis on the implications of the philosophical impact of probation and parole on field practices.

Prerequisite(s): two of the following CJS courses: CRIM 234, CRIM 244, POLS 208, SOC 225.

CRIM 403 - Violence Against Women

Credits: 3

This course will provide an overview of violence directed toward women. Crimes such as intimate partner violence/battering, stalking, rape, human trafficking, sexual assault, and sexual harassment will be analyzed within a broader social context.

Prerequisite(s): junior standing.

CRIM 411 - Criminal Procedure

Credits: 3

This course is an examination of the common law and federal rules of evidence. Topics include but are not limited to the law of searches and seizures, the exclusionary rule, confessions, types of evidence, chain of custody, examination of witnesses, hearsay, and testimony.

Prerequisite(s): two of the following CJS courses: CRIM 234, CRIM 244, POLS 208, SOC 225.

CRIM 412 - Police Discretion

Credits: 3

This course is an in-depth examination of police discretion and the application of coercive power. It includes analyses of the exercise and impact of police discretion on society and the impact that police discretion has on individual police officers, police departments, and societal support for law enforcement.

Prerequisite(s): two of the following CJS courses: CRIM 234, CRIM 244, POLS 208, SOC 225.

CRIM 475 - Criminal Justice Studies Capstone

Credits: 3

Students will successfully demonstrate their ability to apply relevant theory and methods to an empirical research problem and/or question appropriate to the field of criminal justice studies. The application will take the form of a research papers and class presentation.

USI Core 39: Embedded Experience-Writing.

Prerequisite(s): ENG 201 and either SOC 391 and SOC 392 or POLS 232 and POLS 232; senior status.

CRIM 489 - Independent Study in Criminal Justice

Credits: 3

An extensive examination of the main criminal justice/criminology ideas on a specific topic. The major paper is a product of critical reading or advanced research.

Prerequisite(s): nine hours sociology/criminal justice and consent of instructor.

Repeatability: The course may be repeated for up to six credit hours.

CRIM 499 - Internship in Criminal Justice

Credits: 3

An opportunity for work experience in the area of criminal justice. For students interested in graduate school, the internship will involve field research.

Prerequisite(s): nine hours sociology/criminal justice and consent of instructor.

Repeatability: The course may be repeated for up to six credit hours with different placements.

CS 101 - Fundamentals of Computer Science

Credits: 3

A first course intended for both major and non-major novice computer users that introduces computers and computing. Topics include computer hardware, software, mathematical fundamentals (such as boolean algebra, combinatorics, and number theory), problem-solving concepts, programming techniques, history of computing, career opportunities and the impacts of computing on society. Students will use a computer lab to produce small programs in a high-level programming language.

CS 201 - Introduction to Object-Oriented Programming Using Java

Credits: 3

Introduces the fundamental concepts of programming from an object oriented perspective. Through the study of object design, this course introduces data abstraction, inheritance, overriding, programming flow of control, operator precedence, and simple data structures such as lists and arrays. This course also introduces the basics of human-computer interfaces, graphics, and the social implications of computing, along with significant coverage of software engineering.

CS 215 - Discrete Structures for Computer Science

Credits: 3

Offers an intensive introduction to discrete mathematics as it is used in Computer Science. Topics include functions, relations, sets, propositional and predicate logic, simple circuit logic, proof techniques, elementary combinators, and discrete probability.

Term(s) Offered: Fall, Spring

CS 258 - Introduction to Object-Oriented Programming Using C#

Credits: 3

Introduction to C# with a focus on object-oriented programming techniques. In addition, the language syntax, data types, methods, functions, and procedures necessary to write C# programs will be covered. The language will be introduced using console examples and will migrate to Windows examples during the course of the semester. Laboratory exercises will be assigned that represent common business problems for which the language is best suited.

Term(s) Offered: Fall, Spring

CS 276 - COBOL Programming I

Credits: 3

An introduction to the COBOL programming language. A structured approach is used to demonstrate the use of COBOL language in managing corporate information. Includes structured design of programs, control break processing, debugging techniques, table processing, and sequential file processing.

Term(s) Offered: Fall

CS 301 - Advanced Object-Oriented Programming Using Java

Credits: 3

Continues the introduction to object-oriented programming begun in CS 201, with an emphasis on algorithms, data structures, string processing, internal searching and sorting, software engineering, and the social context of computing.

Prerequisite(s): CS 201.

CS 311 - Algorithm Design and Analysis

Credits: 3

Introduces formal techniques to support the design and analysis of algorithms, focusing on both the underlying mathematical theory and practical considerations of efficiency.

Prerequisite(s): CS 201, CS 215, CS 301.

Term(s) Offered: Fall

CS 321 - Architecture of Digital Computers

Credits: 3

An introduction to the internal structure of digital computers. The design of gates, flip-flops, registers, and memories to perform operations on numerical and other data represented in binary form.

Prerequisite(s): ECE 241.

Term(s) Offered: Spring

CS 358 - Advanced Object-Oriented Programming Using C#

Credits: 3

Advanced study of the C# programming language, emphasizing object oriented techniques applied to complex business information needs. In addition, the course will deal extensively with database connectivity and utilization. The course will start with Windows examples and will migrate to Web examples during the course of the semester. Laboratory exercises will be assigned that represent common business problems for which the language is best suited.

Prerequisite(s): CS 258.

Term(s) Offered: Fall, Spring

CS 365 - Operating Systems

Credits: 3

The course includes the fundamental principles of operating systems, resource allocation and use by applications, device organization, interrupts, concurrency, user/system state, and protection. It develops each of these areas in greater depth: scheduling and dispatch, preemptive and non-preemptive scheduling, processes and threads, file systems, buffering, encryption, virtual memory, paging, swapping, security, protection, and related topics. Both Microsoft and Unix systems will be covered.

Prerequisite(s): CS 201, CS 215, CS 301, CS 311.

Term(s) Offered: Fall

CS 376 - COBOL Programming II

Credits: 3

Sequential and random file processing, table handling, sorting, merging, sub-program, and error handling.

Prerequisite(s): CS 276 or consent of instructor.

Term(s) Offered: Spring

CS 377 - Introduction to Database Concepts

Credits: 3

Introduction to database theory. Discussion of data structures, indexed and direct file organizations, models of data including hierarchical, network, and relational. Discussion of data analysis, design, implementation, and database administrator functions. Application of database, data definition languages, data manipulation languages, and/or data manipulation through a host language.

Prerequisite(s): a program language, e.g., Visual Basic, Java, C#, etc.

Cross-Listed: Cross-listed as CIS 377.

CS 379 - Programming Languages

Credits: 3

Introduction to formal study of syntax semantics and the logic of programming languages. Features of prominent languages will be examined.

Prerequisite(s): CS 201, CS 215, CS 301, and CS 311.

Term(s) Offered: Fall

CS 411 - Network Management and Security

Credits: 3

This course provides an overview of network management and security. It covers topics in communication technologies, communication design, communication protocols, and communication system planning and development. It includes distributed computing, encryption technology, and collaboration technology. It will introduce security sites representing the state of the art in security. It will cover major security concerns of IP security, network security, security in distributed object systems, security in distributed systems, Web security, email security, viruses, trojans and worms, firewalls, and denials of service. Hands-on assignments with system and firewall configuration.

Prerequisite(s): CS 201, CS 301, and CS 365.

Term(s) Offered: Spring

CS 421 - Study of Legacy Systems

Credits: 3

An overview of legacy systems that will include the study of operating systems, user interfaces, basic operator commands, flat file architecture, editors, interactive and batch programming concepts, and programming languages. Laboratory exercises will be assigned that emulate common problems encountered in businesses utilizing legacy systems.

Prerequisite(s): CS 301 or CS 358.

Term(s) Offered: Spring

CS 458 - Advanced Programming in C#

Credits: 3

This course is an advanced study of the C# programming language, emphasizing the development of dynamic web pages. The course will cover server side controls, how to access and update data from a data source, how to bind controls to a data source and how to encapsulate visual and programmatic behavior in reusable ASP components. Laboratory exercises will be assigned that represent common business problems for which the language is best suited.

Prerequisite(s): CS 358

Term(s) Offered: Spring

CS 461 - Artificial Intelligence

Credits: 3

Introduces students to the fundamental concepts and techniques of artificial intelligence (AI).

Prerequisite(s): CS 201, CS 215, CS 301.

Term(s) Offered: Spring

CS 478 - Software Development

Credits: 3

Provides an intensive, implementation-oriented introduction to the software-development techniques used to create medium-scale interactive applications.

Prerequisite(s): CS 201, CS 215, and CS 301.

Term(s) Offered: Fall

CS 483 - Senior Software Development Project

Credits: 3

This course applies computer programming and software engineering concepts, principles, and practices to a comprehensive system development project. A team approach is used to analyze the problem, and then specify, design, implement, test, validate, and deliver a software package that solves the problem. Teams will use software engineering techniques and project management techniques, including milestones and formal presentations, to create and test the package solution to the system problem.

Prerequisite(s): CS 201, CS 301, CIS 305, CS 365, CIS 367, CIS 375, and CIS 377 and Senior Standing.

Term(s) Offered: Spring

CS 499 - Projects in Computer Science

Credits: 1-3

Advanced project in mathematics, business, or other area, done under supervision of instructor in area.

Prerequisite(s): six hours upper-division computer science courses.

DMS 301 - Patient Care for Imaging Sciences Professionals

Credits: 2

This course provides basic concepts of nursing procedures in order to maintain continuous, smoothly integrated patient care with due regard to necessary diagnostic and therapeutic techniques. The topics of the course include the healthcare team; attitudes and communication in patient care; patient interactions; psychological considerations; interactions with the patient; patient safety; transferring techniques; trauma and reactions to contrast agents; patient tubes, lines, and catheters; care of patients during and following special procedures; and patient care during mobile or surgical procedures. The role of the radiologic and imaging science professional in patient education will be identified.

Prerequisite(s): acceptance into the Radiologic Technology or DMS program.

Term(s) Offered: Spring

DMS 312 - Introduction to DMS Principles and Procedures

Credits: 2

This course provides the beginning sonography student with a thorough understanding of the ultrasound department, key terms and definitions pertaining to the field of diagnostic sonography, important laboratory values, and surgical procedures. Students will gain a beginning understanding of the value of diagnostic medical sonography in a healthcare setting, survey the role of sonographers in a variety of settings, recognize national and state credentialing requirements, identify sonography association functions at all levels, and recognize ARDMS standards, ethics, and policies and their effects on practicing sonographers' conduct and patient treatment.

Prerequisite(s): DMS 301 or consent of the instructor.

Term(s) Offered: Spring

DMS 313 - Sonographic Sectional Anatomy

Credits: 2

This course provides the student with a basic knowledge of cross-sectional abdominal and pelvic sonography. Students will gain a beginning understanding of sonographic sectional anatomy in the transverse, longitudinal, and coronal planes. Emphasis is placed on the sonographic appearance of abdominal and pelvic organs and vessels and their anatomical relationship to each other.

Prerequisite(s): acceptance into DMS program or consent of the instructor.

Term(s) Offered: Spring

DMS 315 - Abdominal Procedures

Credits: 3

This course provides the student with a study of the clinical applications within the specialty of abdominal sonography. Emphasis is placed on the correct use of all technical and medical terms that are necessary for a complete discussion of sonographic procedures within the abdomen, related clinical symptoms and laboratory tests, normal vs. abnormal sonographic patterns of the anatomy studied, related disease processes, and sonographic protocol for each of the exams covered in the course.

Prerequisite(s): DMS 301 or consent of the instructor.

Term(s) Offered: Summer

DMS 316 - Sonographic Lab Practice I

Credits: 3

This course provides the student with an introduction to the sonography clinical environment through campus laboratory practice. Students will gain an understanding of the daily activities within an ultrasound department, necessary skills to properly operate diagnostic ultrasound equipment, and proper patient care for sonography exams. Emphasis is placed on the application of skills studied in DMS 315 - Abdominal Procedures. The student will achieve an understanding of clinical and practical experience in support of classroom studies.

Prerequisite(s): DMS 301 or consent of the instructor.

Term(s) Offered: Summer

DMS 321 - Sonographic Physics and Instrumentation I

Credits: 3

This course provides the student with an introductory study of sonographic physics and instrumentation within the practice of general diagnostic medical sonography. Emphasis is placed on the principles of ultrasound and its propagation through tissues, construction of the ultrasound transducer, and the various types of continuous wave and pulse echo imaging modalities.

Prerequisite(s): DMS 312 or consent of the instructor.

Term(s) Offered: Fall

DMS 323 - Obstetric Procedures

Credits: 3

This course provides the student with a study of the clinical applications within the specialty of obstetric sonography. Emphasis is placed on the correct use of all technical and medical terms that are necessary for a complete discussion of sonographic procedures within the field of obstetrics. Topics include the related clinical symptoms and laboratory tests used in obstetrics, fetal embryology, normal vs. abnormal sonographic patterns of fetal anatomy, related maternal and fetal disease processes, fetal anomalies and their sonographic appearance, and sonographic protocol for each of the registry exams covered in the course.

Prerequisite(s): DMS 312 or consent of the instructor.

Term(s) Offered: Fall

DMS 324 - Gynecology Procedures

Credits: 3

This course provides the student with a study of the clinical applications within the specialty of gynecologic sonography. Emphasis is placed on the correct use of all technical and medical terms that are necessary for a complete discussion of sonographic procedures within the field of gynecology. Topics will include the related clinical symptoms and laboratory tests, embryology of the female reproductive and genitourinary systems, female reproductive anomalies and their sonographic appearance, normal vs. abnormal sonographic patterns of female anatomy, related disease processes and their sonographic appearance, and sonographic protocol for each of the registry exams covered in the course.

Prerequisite(s): DMS 312 or consent of the instructor.

Term(s) Offered: Fall

DMS 326 - Sonographic Lab Practice II

Credits: 2

This course provides the student with continued preparation in the sonography clinical environment through campus laboratory practice. Students will continue to build on skills introduced in DMS 316 by gaining an understanding of the daily activities within an ultrasound department, necessary skills needed to properly operate diagnostic ultrasound equipment, and proper patient care for sonography exams. Emphasis is placed on the application of skills studied in DMS 323 - Obstetric Procedures and DMS 324 - Gynecology Procedures. The student will achieve an understanding of clinical and practical experience in support of classroom studies.

Prerequisite(s): DMS 316 or consent of the instructor.

Term(s) Offered: Fall

DMS 327 - Clinical Practice I-General

Credits: 3

This course provides supervised clinical education allowing students to apply knowledge and essential skills of diagnostic medical sonography. Emphasis is placed on the application of skills studied in DMS 315 - Abdominal Procedures and DMS 316 - Sonographic Lab Practice I.

Prerequisite(s): DMS 315 or consent of the instructor.

Term(s) Offered: Fall

DMS 331 - Sonographic Physics and Instrumentation II

Credits: 3

This course provides the student with an advanced study of sonographic physics and instrumentation within the practice of general diagnostic medical sonography. Emphasis is placed on the principles of continuous wave and Doppler ultrasound, image artifacts, system operation and display, and biological effects of medical sonography.

Prerequisite(s): DMS 321 or consent of the instructor.

Term(s) Offered: Spring

DMS 332 - Small Parts, Neurosonography, and Specialty Exams

Credits: 3

This course provides the student with a study of the clinical applications within the areas of small parts, neurosonography, and specialty exams performed in diagnostic medical sonography. Emphasis is placed on the correct use of all technical and medical terms that are necessary for a complete discussion of sonographic procedures, related clinical symptoms and laboratory tests, normal vs. abnormal sonographic patterns of the anatomy studied, related disease processes, and sonographic protocol for each of the exams covered in the course.

Prerequisite(s): DMS 327 or consent of the instructor.

Term(s) Offered: Spring

DMS 333 - Critique, Clinical Correlation, & Case Analysis

Credits: 3

This course provides the student with advanced discussions and critical reviews of abdominal, obstetric, and gynecologic ultrasound. The course will culminate with the synthesis of a written draft of a clinical pathology research analysis article. Emphasis is placed on utilizing research to correlate underlying pathophysiology with its sonographic presentation, related diagnostic procedures, and the role of ultrasound in the medical diagnostic process.

USI Core 39: Embedded Experience-Writing.

Prerequisite(s): ENG 201 and DMS 327 or consent of the instructor.

Term(s) Offered: Spring

DMS 337 - Clinical Practice II-General

Credits: 4

This course is a continuation of supervised clinical education. Emphasis is placed on the application of skills studied in DMS 323 - Obstetric Procedures, DMS 324 - Gynecology Procedures, and DMS 326 - Sonographic Lab Practice II.

Prerequisite(s): DMS 327 or consent of the instructor.

Term(s) Offered: Spring

DMS 347 - Advanced Clinical Practice

Credits: 4

This course requires a final mastery of all sonographic clinical competencies within a supervised clinical education setting. Emphasis will be on general skill achievement with introduction to specialized sonographic examinations and procedures.

Prerequisite(s): DMS 337 or consent of the instructor.

Term(s) Offered: Summer

DMS 436 - Sonographic Professional Advancement Seminar

Credits: 3

This course emphasizes individualized study, analysis and synthesis of concepts related to general, vascular and cardiac sonography concentrations. The student is challenged to pursue diagnostic medical sonography credentialing examinations defined by American Registry for Diagnostic Medical Sonography (ARDMS).

Prerequisite(s): DMS 333 or consent of the instructor.

Term(s) Offered: Spring

DSCI 351 - Introduction to Operations Research

Credits: 3

This course introduces the student to the discipline of Operations Research/Management Science (OR/MS) so that he/she may appreciate, understand, and utilize the principal techniques of OR/MS in his/her organizational as well as personal decision-making. The course stresses the use of the scientific methodology in decision-making and problem-solving. Specific topics include decision theory, linear programming, the transportation problem, the assignment problem, network models, and queuing theory. Excel and other computer software are used throughout the course.

Prerequisite(s): ECON 265, CIS 151, and MATH 215.

Term(s) Offered: Fall, Spring

DSCI 445 - Operations Management

Credits: 3

This course presents the basic fundamentals of managing operations. It covers issues in selecting, operating, controlling, and updating systems so that goods or services are produced on time, at minimum cost, and according to customer specifications. Topics include forecasting, capacity planning, facility location, inventory management, material requirements planning, Just-in-Time, and total quality management.

Prerequisite(s): MNGT 305, ECON 265, and MATH 215.

Term(s) Offered: Fall, Spring

DTAS 111 - Oral Pathology

Credits: 1

This course focuses on the general pathological conditions of the oral cavity with implications for the dental assistant.

Term(s) Offered: Spring

DTAS 122 - Clinical Science I

Credits: 5

This course introduces the student to chairside dental assisting procedures with an emphasis on instrument identification and care, tray set-ups, transfer of instruments, and the role of the dental assistant in operative procedures. Clinical asepsis is emphasized and microbiological theories of disease and disease transmission are integrated and applied into course content. Includes student application in extramural settings.

Term(s) Offered: Fall

DTAS 156 - Human Systems I

Credits: 3

This course presents the structure and function of body systems, their pathologies and emergencies, along with preventions and treatments.

Term(s) Offered: Fall

DTAS 158 - Practice Management, Ethics, and Jurisprudence

Credits: 3

This course provides comprehensive consideration of dental ethics, jurisprudence, office procedures, and techniques for seeking

employment. The student is prepared to assume the role of the business assistant, including receptionist duties, correspondence, computer usage, and management of financial accounts.

Term(s) Offered: Spring

DTAS 166 - Human Systems II

Credits: 3

Structure and function of the remaining body systems, their related pathologies and emergencies, along with preventions and treatments are highlighted in this class. The digestive system with special emphasis on human nutrition and diet therapy is a special content area in human systems II.

Prerequisite(s): Course prerequisites include medical terminology and human systems I or faculty permission.

Term(s) Offered: Spring

DTAS 175 - Preventive Dentistry

Credits: 2

This course surveys dental diseases and provides practical methods of preventing their occurrence, utilizing plaque control, fluoride therapy, dietary control, pit and fissure sealants, and patient education.

Term(s) Offered: Spring

DTAS 181 - Clinical Science II

Credits: 5

This clinical course prepares the student to assume the role of the dental assistant in the private office. Includes extramural clinical rotations.

Term(s) Offered: Spring

DTAS 183 - Clinical Science Applications

Credits: 3

This course introduces the theories and techniques of chairside assisting in the dental specialties. Also includes the manipulation and uses of dental materials and the exposure, processing, and mounting of dental radiographs utilized in the dental specialties.

Term(s) Offered: Spring

DTAS 291 - Expanded Functions Dental Assisting

Credits: 3

This course prepares the student to assume the role of the expanded functions dental assistant in a clinical setting. Restorative dental procedures utilized in dentistry are presented in this course. Significant emphasis of course content will be placed on correct utilization and placement of dental dam in addition to the application of specific types of dental materials such as amalgam and composite restorations.

Prerequisite(s): DTHY 314

Grading: Pass/No Pass

Term(s) Offered: Spring

DTHY 303 - Oral Radiology

Credits: 3

This course includes principles of radiation physics, exposing, processing, mounting, evaluating, and interpreting dental radiographs. Biological effects of radiation and protective principles, quality assurance protocols, and infection control are emphasized. Emerging imaging technology is addressed.

Prerequisite(s): Admission into the dental hygiene or dental assisting program.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (2-2)

Term(s) Offered: Fall

DTHY 308 - Applied Dental Materials

Credits: 3

This course focuses on the study of the physical, chemical, and biologic properties and uses of dental materials. Identification and manipulation of common dental materials are incorporated in laboratory experiences.

Prerequisite(s): Admission into the dental hygiene or dental assisting program.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (2-2)

Term(s) Offered: Fall

DTHY 313 - Anatomy of the Head and Neck

Credits: 2

This course focuses on anatomical structures of the head and neck, including bones, muscles, glandular tissue, and vascular, nervous, and lymphatic systems. The infectious process and the spread of dental infection are discussed.

Prerequisite(s): Admission into the dental hygiene program.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (2-0)

Term(s) Offered: Spring

DTHY 314 - Oral Anatomy

Credits: 2

This course provides the student with a detailed study of the anatomy of the oral cavity and underlying structures. The eruption, arrangement, function, developmental disturbances, occlusion, and morphological characteristics of both the permanent and deciduous dentitions is presented.

Prerequisite(s): Admission into the dental hygiene or dental assisting program.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (2-0)

Term(s) Offered: Fall

DTHY 315 - Oral Embryology and Histology

Credits: 1

This course provides the student with a detailed study of the embryological and histological formation of the oral-facial structures of the head, neck, oral cavity, and underlying structures.

Prerequisite(s): Admission into the dental hygiene program.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (1-0)

Term(s) Offered: Spring

DTHY 316 - Preventive Oral Health I

Credits: 2

This course emphasizes prevention of dental and periodontal diseases through mechanical dental plaque control, fluoride therapy, pit and fissure sealants, dietary control, and basic principles of client education. The effects of tobacco use on oral health are included. Tobacco cessation strategies and their use in oral health education are presented.

Prerequisite(s): Admission into the dental hygiene program.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (2-0)

Term(s) Offered: Fall

DTHY 318 - Preventive Oral Health II

Credits: 3

This course emphasizes teaching methodology and techniques for individual and group oral health education. Behavior modification strategies, case studies, and the preparation and presentation of an educational program are utilized. The course prepares the student to provide individualized oral health instruction, utilizing effective teaching methodologies, and to participate in educational field work in the community.

Prerequisite(s): DTHY 316 - Preventive Oral Health I.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (3-0)

Term(s) Offered: Spring

DTHY 322 - Periodontology

Credits: 2

This course focuses on periodontal diseases and their relevance for the dental hygienist. A review of the anatomy and structures of the periodontium is included. A thorough analysis and application of the clinical dental hygiene diagnosis is provided. Emphasis is placed on the etiology, systemic correlation, clinical and radiographic assessment, diagnosis and classification, treatment planning, and surgical and non-surgical treatment procedures of periodontal diseases.

Prerequisite(s): DTHY 341 - Dental Hygiene Theory I.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (2-0)

Term(s) Offered: Spring

DTHY 327 - Introduction to Evidence-Based Dental Hygiene Care

Credits: 1

This course will provide foundational knowledge for the dental hygiene student to select and implement evidence-based decision-making strategies in the provision of patient/client care. In addition, it proposes to develop critical thinking and problem solving skills necessary for patient centered care. It includes basic knowledge and skills related to research terminology and design, library and computer-based information retrieval systems, approaches for analysis and evaluation of scientific literature and will provide an introduction to dental indices used in the description of oral health status and disease states.

Prerequisite(s): Admission into the Dental Hygiene Program.

DTHY 341 - Dental Hygiene Theory I

Credits: 4

This course introduces the theory of the dental hygiene process of care, including assessment, diagnosis, planning, implementation, and evaluation. Emphasis is on providing the student with an ethical and scientific foundation to use in applying appropriate infection control procedures, introductory client assessment procedures, and basic instrumentation skills. The use of the dental hygiene diagnosis in developing a care plan is introduced. Current clinic issues are addressed in a one-hour weekly seminar.

Prerequisite(s): Admission into the dental hygiene program.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (3-1 [seminar])

Term(s) Offered: Fall

DTHY 342 - Dental Hygiene Clinic I

Credits: 3

This pre-clinical laboratory experience course presents practicum covering the fundamentals of medical emergencies, infection control procedures, assessment of the dental hygiene client, development of a dental hygiene diagnosis, instrumentation skills, equipment use and maintenance, and basic oral health education.

Prerequisite(s): Admission into the dental hygiene program.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (0-8)

Grading: Pass/No Pass

Term(s) Offered: Fall

DTHY 351 - Dental Hygiene Theory II

Credits: 4

This course explores professional writing, cultural competence, and concepts of evidence based clinical practice. Solutions to oral health care discrepancies in our society are examined. By engaging in interviews, research, case studies, reflection, and inquiry, students will develop a project addressing culturally competent approaches to oral health care. Students demonstrate synthesis of course objectives through a sustained writing project. The use of supportive dental hygiene treatment in providing comprehensive care is introduced. Weekly seminar addresses current clinic issues and trends connecting theory and clinical practice.

USI Core 39: Embedded Experience Diversity; Embedded Experience-Writing.

Prerequisite(s): ENG 201 and DTHY 341.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (3-1 [seminar])

Term(s) Offered: Spring

DTHY 352 - Dental Hygiene Clinic II

Credits: 3

This clinical course introduces the dental hygiene student to providing comprehensive dental hygiene treatment. Application of knowledge in infection control practices, development of care plans, assessment, oral health education, radiography, and fundamentals of instrumentation are implemented in collaboration with advising faculty. Supportive dental technology, equipment and products related to dental hygiene treatment are introduced.

Prerequisite(s): DTHY 342 - Dental Hygiene Clinic I.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (0-8 [clinic])

Grading: Pass/No Pass

Term(s) Offered: Spring

DTHY 401 - Clinical Management I

Credits: 3

This course provides the student with periodontal patient management experiences, focusing on assessment, treatment planning,

development of behavior modification strategies, implementation of treatment strategies, maintenance, and evaluation. Treatment experiences are integrated into clinic management activities and oral presentations. Evaluation of patient treatment by associate degree students enrolled in the Dental Hygiene Program is incorporated.

DTHY 402 - Clinical Management II

Credits: 3

This course will utilize a collaborative approach to patient treatment management. The baccalaureate degree student will evaluate periodontal treatment strategies developed and implemented by associate degree students. The student will develop both clinical and classroom instructive skills through individually designed educational experiences.

DTHY 405 - General and Oral Pathology

Credits: 4

This course will combine general and oral pathology found in the human system. Concepts of pathologic physiology included in this course are the inflammatory process, wound healing, and immunology. Emphasis will be placed on the oral/ facial characteristics of systemic disease. Principles of pathology, clinical features, risk factors, etiology, locations, and treatment options are presented.

Prerequisite(s): DTHY 322 - Periodontology.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (4-0)

Term(s) Offered: Fall

DTHY 411 - Community Oral Health Theory

Credits: 1

This course is designed to provide concepts and principles related to the practice of community oral health. Prevention, access to care, providers of dental services, financing dental care, and quality assurance are discussed. The dental hygienist's role in developing community oral health programs is an integral component. The significance of oral health measures for all members of society is addressed.

Prerequisite(s): DTHY 318 - Preventive Oral Health II.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (1-0)

Term(s) Offered: Fall

DTHY 412 - Community Oral Health Practicum

Credits: 2

In this course the dental hygiene student will develop oral health education programs for diverse populations utilizing the dental hygiene process of care paradigm of assessment, planning, implementation, and evaluation. Field experiences will take place in

community schools, extended care facilities, outpatient treatment facilities, and acute care facilities.

Prerequisite(s): DTHY 411 - Community Oral Health Theory.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (4-1 [field experience])

Term(s) Offered: Spring

DTHY 422 - Clinical Application of Periodontology

Credits: 1

This clinical course focuses on providing non-surgical periodontal treatment for clients with moderate to advanced periodontal disease. Emphasis is placed on collecting and evaluating assessment data, treatment planning, providing oral health education and nutritional counseling, providing periodontal treatment, and performing post-operative evaluation. Periodontal Case Client presentations are developed from clinical experiences.

Prerequisite(s): DTHY 322 - Periodontology (grade of C or better).

Grading: Pass/No Pass

Term(s) Offered: Fall

DTHY 423 - Pain Management in Dentistry

Credits: 2

This course addresses coverage of pain and anxiety management for conscious dental clients. The indications, contraindications, and pharmacology of local anesthesia and nitrous oxide and oxygen sedation used in dentistry will be discussed. Local anesthesia techniques and the administration of nitrous oxide and oxygen sedation will be studied. Students will be introduced to general anesthesia, parenteral sedation, and anti-anxiety medications. Administration of local anesthesia techniques will be performed.

Prerequisite(s): DTHY 313 - Anatomy of the Head and Neck.

Term(s) Offered: Fall

DTHY 441 - Dental Hygiene Theory III

Credits: 4

This course addresses the care and clinical management of special needs clients who present with conditions/diseases of significance to dental hygiene care. Included is discussion of the pathophysiology, etiology, psychosocial, physical, and oral characteristics, potential emergencies, and the related dental hygiene process of care associated with these conditions/diseases. Current clinic issues are addressed in a one hour weekly seminar.

Prerequisite(s): DTHY 351 - Dental Hygiene Theory II.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (3 hours lecture, 1 hour seminar)

Term(s) Offered: Fall

DTHY 442 - Dental Hygiene Clinic III

Credits: 5

This clinical course focuses on the dental hygiene student building on prior experience in providing comprehensive dental hygiene treatment. Increased opportunity for treating clients with moderate to severe periodontal disease as well as those with complex medical and pharmacological histories is introduced. Students gain experience in applying advanced strategies in assessment, care planning, oral health education, and instrumentation. Student directed judgment and relating theory to the clinical component of dental hygiene education are emphasized.

Prerequisite(s): DTHY 352 - Dental Hygiene Clinic II.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (16 [clinic])

Grading: Pass/No Pass

Term(s) Offered: Fall

DTHY 451 - Dental Hygiene Theory IV

Credits: 4

The intent of this course is to provide students with a systematic approach to board preparation and dental hygiene curricula review. Information presented in this course will assist senior dental hygiene students in preparing for credentialing examinations and other procedures required for obtaining a dental hygiene license. Specific guidance is offered to students who are preparing for the National Dental Hygiene Board Examination and the Northeast Regional Board Examination. Indiana laws related to dental and dental hygiene practice are studied in detail. Current clinic issues are addressed in a one hour weekly seminar.

Prerequisite(s): DTHY 441 - Dental Hygiene Theory III.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): Three hours lecture, one hour seminar.

Term(s) Offered: Spring

DTHY 452 - Dental Hygiene Clinic IV

Credits: 5

This clinical course challenges the dental hygiene student to work ethically, professionally, and independently in providing comprehensive dental hygiene treatment for clients in all stages of periodontal health with increased concentration on treating clients with moderate to severe periodontal disease. Dental hygiene treatment based on current scientific theories, research, and standard of care is expected. Meeting the individual needs of clients utilizing problem-solving strategies, critical thinking skills, and good communication is emphasized.

Prerequisite(s): DTHY 442 - Dental Hygiene Clinic III.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (16 [clinic])

Grading: Pass/No Pass

Term(s) Offered: Spring

DTHY 457 - Professional and Current Issues in Oral Healthcare

Credits: 3

This course presents professional oral healthcare topics from a historical, economic, legal/ethical, global, political, social, interdisciplinary, and multicultural framework. Students will investigate current issues in oral healthcare and examine ethical and legal concerns in the practice of dental hygiene, and explore the accelerating need for access to care for all population groups. Students will develop evidence-based solutions which could be used to influence organizational, institutional, and governmental decisions impacting oral health care. In addition, discussions and exploration of current dental hygiene practice will be included to prepare the student for transition into the profession.

USI Core 39: Embedded Experience-Global; Embedded Experience-Writing.

Prerequisite(s): ENG 201 and DTHY 351 (grade of C or better).

Term(s) Offered: Spring

DVT 398 - Introduction to Sonographic Vascular Lab

Credits: 2

This course provides the student with an introduction to the sonographic vascular lab clinical through campus laboratory practice. The student will gain an understanding of the daily activities within a vascular laboratory, necessary skills to properly operate vascular diagnostic ultrasound equipment, and proper patient care for all vascular sonography exams. The student will achieve understanding of clinical and practical experience in support of classroom studies.

Prerequisite(s): DMS 337 or consent of the instructor.

Term(s) Offered: Summer

DVT 401 - Introduction to Vascular Anatomy and Procedures

Credits: 2

This course provides the student with an introduction to the vascular anatomy and physiology as it pertains to diagnostic vascular sonography. Emphasis is placed on various types of vascular testing methods, equipment utilized, and conditions warranting vascular examination.

Prerequisite(s): DMS 331 or consent of the instructor.

Term(s) Offered: Summer

DVT 402 - Vascular Procedures I

Credits: 3

This course provides the student with an introduction to the vascular anatomy and physiology as it pertains to diagnostic vascular sonography. Emphasis is placed on gross anatomy arterial and venous systems. Topics include vascular physiology and fluid dynamics of the circulatory system.

Prerequisite(s): DVT 401 or consent of the instructor.

Term(s) Offered: Fall

DVT 421 - Vascular Procedures II

Credits: 2

This course provides the student with a study of the disease processes pertaining to diagnostic vascular sonography. Emphasis is placed on clinical signs, symptoms, and relative laboratory tests of vascular diseases. Topics include patient history, risk factors, contributing diseases, and normal vs. abnormal vascular sonographic patterns of diseases.

Prerequisite(s): DVT 402 or consent of the instructor.

Term(s) Offered: Spring

DVT 423 - Sonographic Vascular Lab Practice I

Credits: 2

This course provides the student with continued preparation in the vascular sonography clinical environment through campus laboratory practice. Students will continue to build on skills introduced in DVT 398 by gaining an understanding of the daily activities within a vascular lab, necessary skills needed to properly operate vascular diagnostic ultrasound equipment, and proper patient care for all vascular sonography exams. Emphasis is placed on the application of skills studied in DVT 401 - Introduction to Vascular Anatomy and Procedures. The student will achieve an understanding of clinical and practical experience in support of classroom studies.

Prerequisite(s): DVT 398 or consent of the instructor.

Term(s) Offered: Fall

DVT 426 - Clinical Practice I-Vascular

Credits: 4

This course provides supervised clinical education allowing students to apply knowledge and essential skills of vascular sonography. Emphasis is placed on the application of skills studied in DVT 398 - Introduction to Sonographic Vascular Lab and DVT 401 - Introduction to Vascular Anatomy and Procedures.

Prerequisite(s): DVT 401 or consent of the instructor.

Term(s) Offered: Fall

DVT 437 - Clinical Practice II-Vascular

Credits: 3

This course is a continuation of supervised clinical education. Emphasis is placed on the application of skills studied in DVT 402 - Vascular Procedures I and DVT 423 - Sonographic Vascular Lab Practice I.

Prerequisite(s): DVT 426 or consent of the instructor.

Term(s) Offered: Spring

ECE 217 - Fundamentals of Computer Programming

Credits: 1

This course covers the fundamentals of procedural computer programming with an emphasis on C language. Typical software development methodologies are presented, including common mechanisms for documentation and descriptions of program logic.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): 0.5-1.5

Term(s) Offered: Fall

ECE 241 - Digital Logic

Credits: 3

This course teaches the basics of digital logic by using computer simulations and circuit construction in laboratory experiments. Binary, octal, and hexadecimal number systems are investigated, and basic logic gates (AND, OR, NAND, NOR, and INVERTER) are discussed. Flip-flops, multiplexers, and various memory devices and their uses in logic circuitry are studied.

Prerequisite(s): MATH 111, MATH 118, MATH 215 , or MATH 230

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (2-3)

Term(s) Offered: Fall, Spring

ECE 255 - Electric Circuits

Credits: 4

Introduction to electric circuit theory and analysis for engineering majors. Topics covered include D.C. Circuits, A.C. Circuits, mesh and nodal analysis, Norton's and Thevenin's equivalent circuits, source conversions, impedance calculations, maximum power transfer, phasor and sinusoidal steady state responses.

Prerequisite(s): PHYS 206.

Co-Requisite(s) (must be taken at same time as): PHYS 206

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (3-3)

Term(s) Offered: Fall, Spring

ECE 343 - Electronics

Credits: 3

This course introduces the three basic discrete devices: the diode (both pn and zener), the bipolar junction transistor, and the field

effect transistor. Device modeling, biasing techniques, frequency response, h parameters and amplifier design are discussed.

Prerequisite(s): ECE 255.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (2-3)

Term(s) Offered: Spring

ECE 344 - Integrated Circuits

Credits: 3

This course addresses integrated circuits such as operational amplifiers, 555 timers, silicon-controlled rectifiers and associated triggering devices, and their uses in electronic circuits. Emphasis is placed on circuit construction and communication skills by the use of class projects and associated technical reports and oral presentations.

Prerequisite(s): ECE 343.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (2-3)

ECE 345 - Advanced Electrical Circuits

Credits: 3

Advanced electrical circuits elective course for engineering majors. Topics covered include polyphase circuits, complex frequency and Laplace Transform, s-domain circuit analysis, series and parallel resonance, and Fourier frequency analysis. Course stresses network theorems, solution of time and frequency- domain problems. Course coverage includes transient analysis by classical and transform methods as well as basic concepts of steady state AC circuit analysis.

Prerequisite(s): ECE 255 and MATH 235.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (3-0)

Term(s) Offered: Fall

ECE 347 - Microcomputer Engineering

Credits: 3

An introduction to the concepts of microcomputers and microcontrollers including system architecture, addressing modes, assembly language programming, fixed point arithmetic, data structures and stacks, subroutines, high-level compilers, and integrated development environments.

Prerequisite(s): ECE 241.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (2-3)

Term(s) Offered: Fall

ECE 349 - Electrical Machines

Credits: 3

D.C. motors and generators, induction and synchronous motors, and generators for single-phase and three-phase systems are studied; course emphasis is on common applications, principles of operation, and performance characteristics.

Prerequisite(s): ECE 345 (may be taken concurrently).

Co-Requisite(s) (must be taken at same time as): ECE 345

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (2-3)

Term(s) Offered: Fall

ECE 443 - Linear Control Systems

Credits: 3

A study of the fundamental concepts of linear automated control of physical systems. The course includes the following areas of study: mathematical modeling, block diagrams, frequency response analysis, root-locus analysis, time-domain analysis, stability analysis, compensation techniques, controller design, and interface transducers.

Prerequisite(s): ECE 345.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (3-0)

ECE 445 - Signals and Systems

Credits: 3

Classification, analysis, and design of systems in both the time- and frequency-domains. Continuous-time linear systems: Fourier Series, Fourier Transform, bilateral Laplace Transform. Discrete-time linear systems: difference equations, Discrete- Time Fourier Transform, bilateral z-Transform. Sampling, quantization, and discrete-time processing of continuous-time signals.

Prerequisite(s): ECE 255.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (2-3)

Term(s) Offered: Spring

ECE 447 - Embedded Systems Design

Credits: 3

This course involves the design of firmware and hardware for microprocessor-based systems, including analog and digital interfaces, system architecture, memory system design, IO structure and handshaking protocols, interrupts, timers, parallel and serial subsystems, and analog-to-digital conversion.

Prerequisite(s): ECE 347.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (2-3)

Term(s) Offered: Spring

ECE 448 - Software Engineering

Credits: 3

An introduction to software engineering principles, with emphasis on the methods, processes, tools, and metrics needed to develop quality software products and systems.

Prerequisite(s): Junior standing.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (2-3)

ECE 449 - Electrical Power

Credits: 3

Fundamental concepts of power system analysis, transmission line parameters, basic system models, steady state performance, network calculations, power flow solutions, fault studies, symmetrical components, operating strategies and control. Industry standard software, like ETAP, will be used in the course.

Prerequisite(s): ECE 349.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (2-3)

Term(s) Offered: Spring

ECHO 398 - Introduction to Echocardiography Lab

Credits: 2

This course provides the student with an introduction to the sonographic echocardiography lab clinical environment through campus laboratory practice. The student will gain an understanding of the daily activities within an echocardiography laboratory, necessary skills to properly operate cardiac diagnostic ultrasound equipment, and proper patient care for all cardiac sonography exams. The student will achieve an understanding of clinical and practical experience in support of classroom studies.

Prerequisite(s): DMS 337 or consent of instructor.

Term(s) Offered: Summer

ECHO 401 - Introduction to Echocardiography

Credits: 2

This course provides the student with an introductory study of the clinical applications within the specialty of cardiac sonography. Emphasis is placed on the anatomic and physiological relationships within the thoracic cavity.

Prerequisite(s): DMS 331 or consent of the instructor.

Term(s) Offered: Summer

ECHO 402 - Advanced Echocardiography

Credits: 3

This course provides the student with an advanced study of the clinical applications within the specialty of cardiac sonography. Emphasis is placed on echocardiography evaluation procedures and techniques.

Prerequisite(s): ECHO 401 or consent of the instructor.

Term(s) Offered: Fall

ECHO 421 - Fetal Echocardiography

Credits: 2

This course provides the student with a study of the fundamentals of fetal echocardiography, including case study review of normal anatomy, physiology, and pathological conditions of the heart and its visualization with 2D and 3D imaging, Doppler, and M-mode echocardiography.

Prerequisite(s): ECHO 402 or consent of instructor.

Term(s) Offered: Spring

ECHO 423 - Echocardiography Lab Practice I

Credits: 2

This course provides the student with continued preparation for the sonographic echocardiography lab clinical environment through campus laboratory practice. The student will continue to build on skills introduced in ECHO 398 by gaining an understanding of the daily activities within an echocardiography lab, necessary skills needed to properly operate cardiac diagnostic ultrasound equipment, and proper patient care for all cardiac sonography exams. Emphasis is placed on the application of skills studied in ECHO 402 - Advanced Echocardiography. The student will achieve an understanding of clinical and practical experience in support of classroom studies.

Prerequisite(s): ECHO 398 or consent of the instructor.

Term(s) Offered: Fall

ECHO 426 - Clinical Practice I-Cardiac

Credits: 4

This course provides supervised clinical education allowing students to apply knowledge and essential skills of cardiac sonography. Emphasis is placed on the application of skills studied in ECHO 398 - Introduction to Echocardiography Lab and ECHO 401 - Introduction to Echocardiography.

Prerequisite(s): ECHO 401 or consent of the instructor.

Term(s) Offered: Fall

ECHO 437 - Clinical Practice II-Cardiac

Credits: 3

This course provides the student with a continuation of supervised clinical education. Emphasis is placed on the application of skills studied in ECHO 402 - Advanced Echocardiography, ECHO 421 - Fetal Echocardiography, and ECHO 423 - Echocardiography Lab Practice I.

Prerequisite(s): ECHO 426 or consent of the instructor.

Term(s) Offered: Spring

ECON 175 - Fundamentals of Economics

Credits: 3

An introduction to basic economic terms and concepts, such as scarcity, choice, resources, opportunity cost, markets, incentive, prices, competition, employment, inflation, growth, output and changes in business activity. Special emphasis is given to understanding how these concepts are applied and influenced by choices which individuals and organizations face every day.

USI Core 39: Social Science-BS.

This course is part of the Core Transfer Library (CTL).

Indiana Statewide Common Course #: ISH 1040.

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

Term(s) Offered: Fall, Spring

ECON 208 - Principles of Microeconomics

Credits: 3

The course will introduce students to the Economist's lens of 'knowing' social phenomena. This lens is formed of the Cost-Benefit approach to individual decision-making, which draws from diverse fields such as ethics, cognitive science and game theory, along with the interactions of these decisions through coordinating mechanisms, such as a market. Social phenomena examined include 'everyday' phenomena such as: why do we find a lot of carts laying around the parking lot of one store in comparison to that of another store? as well as phenomena of a larger scope, such as: why the physical conditions of homes in an area can impact its crime rate.

USI Core 39: Ways of Knowing-Social Inquiry; Social Science (BS).

Prerequisite(s): MATH 111 or its equivalent.

This course is part of the Core Transfer Library (CTL).

Indiana Statewide Common Course #: ISH 1042.

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

Term(s) Offered: Fall, Spring, Summer

ECON 209 - Principles of Macroeconomics

Credits: 3

An introductory analysis of overall economic activity. Income, production, employment, and prices are examined at the national level. Alternative theories of, and policies toward, economic stabilization and growth are examined.

USI Core 39: Social Science-BS.

Prerequisite(s): MATH 111 or its equivalent.

This course is part of the Core Transfer Library (CTL).

Indiana Statewide Common Course #: ISH 1041.

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

Term(s) Offered: Fall, Spring, Summer

ECON 241 - Global Economic Issues

Credits: 3

An introduction to the causes and consequences of the growing economic interdependence of nations. Emphasis is placed on how different people, cultures, institutions, and economies are affected by, and respond to, current global issues. Topics may include international trade, immigration, economic development, and capital markets.

Prerequisite(s): ECON 175 or ECON 208 or ECON 209 or consent of instructor.

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

Term(s) Offered: Fall, Spring, Summer

ECON 265 - Elementary Statistics

Credits: 3

An initial presentation of the conceptual framework of statistical thinking. The course then presents design and graphical techniques for describing data and for making inferences from the data. Business applications are utilized for illustration.

Prerequisite(s): MATH 111 and CIS 151.

Term(s) Offered: Fall, Spring, Summer

ECON 301 - Economic Ideas and Current Issues

Credits: 3

This course provides an introductory application of economic concepts to a wide variety of current social issues and problems with an integrative emphasis across the social sciences.

Prerequisite(s): Junior standing.

ECON 308 - Intermediate Microeconomic Theory

Credits: 3

An in depth study in microeconomic theory. This framework is fundamental to understanding an enormous range of phenomena in business, public policy, social behavior, and a variety of other fields. Microeconomic analysis relies on a small set of enormously powerful analytical tools: constrained optimization analysis, equilibrium analysis, and comparative statics analysis. This course attempts to help you master these tools by illustrating their use in many different contexts.

Prerequisite(s): ECON 208, ECON 209, and either MATH 230 or MATH 215.

Term(s) Offered: Fall

ECON 309 - Intermediate Macroeconomic Theory

Credits: 3

An in depth study in macroeconomic theory. The course will cover traditional macroeconomic topics like short-run fluctuations and stabilization policy, as well as explain other important issues like the determinants of long-run economic growth, the trade balance and financial flows, labor markets, and institutional framework of policymaking.

Prerequisite(s): ECON 208, ECON 209, and either MATH 215 or MATH 230.

Term(s) Offered: Spring

ECON 327 - Applied Cost-Benefit Analysis

Credits: 3

This course presents the analytical framework for a popular decision-making tool used by private and public sector managers for investment analysis and project evaluation. Emphasis will be placed on understanding fundamental economic theory and practical measurement techniques. The course will focus on real-life problems and case studies while discussing the limitation and critiques of the method.

Prerequisite(s): ECON 208.

ECON 331 - Public Economics

Credits: 3

Economic rationales for government involvement in the economy including correcting market failures and redistributing income. Public Economics examines government expenditure and taxation policy in achieving these goals.

Prerequisite(s): ECON 208 and ECON 209.

ECON 338 - Environmental and Resource Economics

Credits: 3

Explanation and application of the interplay between the natural environment and economic activity. Environmental economics focuses on the impact of economic activity on the natural environment; whereas, resource economics studies the supply, demand and allocation of natural resources used for economic activity. Issues include water and air pollution, global climate change, and the management of natural resources.

Prerequisite(s): ECON 208.

ECON 341 - International Trade

Credits: 3

An examination of the causes and consequences of the movement of goods and services across national borders.

Prerequisite(s): ECON 208 and ECON 209.

ECON 343 - International Finance

Credits: 3

The study of foreign exchange markets, exchange rate determination, balance of payments, international flow and management of financial assets and various risk exposures, and the operation and effectiveness of economic policy in an open economy.

Prerequisite(s): ECON 208, ECON 209, and FIN 305, or consent of instructor.

Cross-Listed: FIN 343.

Term(s) Offered: Spring

ECON 346 - Development Economics

Credits: 3

The study of development factors and theories with the emphasis on the international context of development. Topics may include the implications of globalization, the rise of China and the continuing crisis of Sub-Saharan Africa.

Prerequisite(s): ECON 208 and ECON 209.

ECON 349 - Open Economy Macroeconomics

Credits: 3

An examination of the positive and negative facets of important economic phenomena that emerge from countries being

financially interlinked and the policy tools that impinge on such phenomena. The course begins with a general model of an open economy and then considers special cases pertaining to particular countries, institutions, and historical time periods.

Prerequisite(s): ECON 208 and ECON 209.

ECON 351 - Labor Economics

Credits: 3

The course focuses on the decisions of wage earners within modern society and how the role of government, firms and other economic agents influence those decisions. Topics include the decision to work, labor demand, wage theory and policy, discrimination, human capital, the role of unions, and managerial incentives.

Prerequisite(s): ECON 208 and ECON 209.

ECON 353 - Economics of Sports

Credits: 3

An examination of the industry of sports using the tools and concepts of economic analysis. The topics to be addressed in professional and amateur sports include new stadiums and franchises, salary caps, unions, free agency, the NCAA, the existence of amateur status, and the impacts of monopoly and cartel behavior.

Prerequisite(s): ECON 208.

ECON 357 - Economics of Healthcare

Credits: 3

Students will learn about the healthcare sector and how to apply the tools of economics to analyze the structure and performance of this sector. The features of the market for health services are described with emphasis placed on the characteristics which make this market different from the markets for other goods and services.

Prerequisite(s): ECON 208.

ECON 361 - Money and Banking

Credits: 3

The nature and function of credit in the American economy; operation of commercial banks; purposes and functions of the Federal Reserve System, and the introduction to monetary theory. The course emphasizes the impacts of recent developments in the U.S. monetary system on both individuals and the overall economy.

Prerequisite(s): ECON 208 and ECON 209.

Term(s) Offered: Fall, Spring

ECON 365 - Intermediate Statistics for Business Decisions

Credits: 3

Continued exploration of statistical techniques and methods at an upper level in areas of business applications. The analysis of large and complex data sets will be emphasized. Topics may include regression, ANOVA, time series analysis, some multi-variate techniques, and non-parametric techniques.

Prerequisite(s): ECON 265 or equivalent.

ECON 433 - Games and Strategic Behavior

Credits: 3

This course is designed to investigate those scenarios where agent's choices are made in the presence of strategic motives, i.e. an agent's optimal decision is dependent on the choices of others within the environment. The participants (players) within these types of strategic scenarios (games) need not be individuals; they can be firms, political parties, tribes, nations, etc.

Prerequisite(s): ECON 308 or ECON 309 or consent of instructor.

Term(s) Offered: Spring

ECON 461 - History of Economic Thought

Credits: 3

Where do popular economic ideas and theories originate? The development of economic thought from early Greeks and Romans into the present century is presented. Emphasis on Smith, Malthus, Ricardo, Mill, Marx, Marshall, and Veblen. The literature is examined in relation to the social, political, and economic events of each period with an emphasis on how ideas have changed and developed over time.

Prerequisite(s): ECON 208 and ECON 209.

ECON 472 - Econometrics

Credits: 3

How do economists test their ideas and theories? This course presents an overview of the economics devoted to the statistical testing of propositions derived from economic theory. An introduction to econometric methods and their application to economic research is developed.

Prerequisite(s): ECON 265, MATH 230 or MATH 215, and six hours of 300/400 level economics coursework.

ECON 489 - Special Topics in Economics

Credits: 1-3

This course offers students the opportunity to study selected topics of current interest and importance in economics. These topics will vary according to the interests of students and faculty.

Prerequisite(s): ECON 208 and ECON 209 and consent of instructor.

Repeatability: Students may repeat the course up to three times, as the topic changes.

ECON 499 - Senior Seminar in Economics

Credits: 3

A seminar and research course in selected topics of current interest.

Prerequisite(s): Senior standing, ECON 308 and ECON 309.

Repeatability: Repeatable for up to six hours.

Term(s) Offered: Fall, Spring

EDUC 102 - Reflective Teacher Model

Credits: 1

Examines the Reflective Teacher Model, with attention to (1) programs and procedures, (2) application requirements and deadlines, (3) correlation of reflective teacher model with INTASC principles, (4) field placement requirements and procedures, and (5) the characteristics of the reflective teacher. Open only to transfer students who have completed both an Introduction to Education and Foundations of Education course.

Prerequisite(s): By permission of instructor.

EDUC 103 - Classroom Observation

Credits: 0

Field experience completed in conjunction with EDUC 196.

Co-Requisite(s) (must be taken at same time as): with EDUC 196.

EDUC 104 - Tutoring in School Programs

Credits: 0

Field experience completed in conjunction with EDUC 201.

Co-Requisite(s) (must be taken at same time as): with EDUC 201.

EDUC 105 - Initial Field Experience: Tutoring, Grades 6-12

Credits: 0

Field experience completed in conjunction with EDUC 202.

Co-Requisite(s) (must be taken at same time as): with EDUC 202.

EDUC 173 - History of Schooling in America 1620-Present

Credits: 3

Survey of U.S. schooling, beginning with the earliest Massachusetts laws and schools and continuing to No Child Left Behind in the 21st century. In this course students use primary documents to study a dynamic and contentious aspect of U.S. history.

USI Core 39: Ways of Knowing-Historical Inquiry.

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

EDUC 196 - Explorations in Reflective Teaching

Credits: 3

The exploratory course is designed as an elective for students considering teaching as a profession. Students will be introduced to the profession of teaching and to the philosophical foundation for teacher education at USI -- the Reflective Teacher Model. The course examines the nature and functions of schools and the ways that teachers' beliefs influence educational outcomes by helping to shape classroom life. Service learning project required. This course does not apply toward a major or minor in Teacher Education.

Term(s) Offered: Fall

EDUC 201 - Growth and Development: Middle Childhood

Credits: 3

Examines the early and current theories of child development in the areas of physical/ motor, psychosocial (cultural influences), and cognitive/language/ literacy development of students ages seven to 12 years. Focuses on the integration of research findings and theories of growth and development in elementary school practice. Guided field experience required.

Prerequisite(s): EDUC 196 (may be taken concurrently).

Co-Requisite(s) (must be taken at same time as): EDUC 104 and scores on PRAXIS I.

Term(s) Offered: Fall, Spring

EDUC 202 - Growth and Development: Adolescence and Young Adult

Credits: 3

Examines the early and current theories of adolescent/young adult development in the areas of physical, psychosocial (cultural influences), and cognitive/language/literacy development of adolescent/young adult students. Focuses on the integration of research findings and theories of growth and development in high school practice. Guided field experience required.

Prerequisite(s): EDUC 196 (may be taken concurrently) .

Co-Requisite(s) (must be taken at same time as): EDUC 105 and scores on PRAXIS I.

Term(s) Offered: Fall, Spring

EDUC 203 - Introduction to Children's Literature

Credits: 3

A survey course designed to introduce and explore traditional and contemporary children's literature through immersion into a variety of authors, illustrators, and genres. This course is designed to enhance teacher candidates' understanding of children's literature and how these books can be used effectively with children of all ages.

Prerequisite(s): ENG 101 with a grade of C or better.

This course is part of the Core Transfer Library (CTL).

Indiana Statewide Common Course #: IEL 1220.

Term(s) Offered: Fall, Spring, Summer

EDUC 204 - Teaching Writing in Diverse Classrooms, K-8: Research-based Practices Across the Curriculum

Credits: 3

This course introduces teacher candidates to best practices in teaching writing in the elementary and middle school classroom in all subject areas. Students examine theoretical perspectives on the teaching of writing and the connections between writing and other literacies (reading, speaking, and listening). The course will incorporate strategies for using writing to enhance children's learning in all disciplines.

Prerequisite(s): ENG 201 with grade of C or better.

EDUC 206 - Introduction to Exceptionalities

Credits: 3

This course defines and examines the nature and needs of exceptional children. Special education foundations and legal mandates will be discussed. Appropriate accommodations and teaching methods that address each area of exceptionality and the effectiveness of these techniques will be covered. The role of teachers, parents, and other relevant personnel will be investigated in relation to current practices which include individual education programs (IEP), inclusion, and least restrictive environment (LRE). This course must be taken as a prerequisite or co-requisite with the Exploration Phase course(s) in Teacher Education.

Prerequisite(s): ENG 101, grade of C or better

EDUC 214 - Instructional Technology in Education

Credits: 3

Explores the use of the technology to enhance the teaching and learning process. Students will explore current research, issues, and methodology related to the design, development, and use of technology resources. Emphasis will be placed on the evaluation and selection of Internet resources, educational software, productivity tools, and other emerging technologies in the educational environment. Students will develop skills in the production and effective use of print, projected, and displayed communication using technology tools.

Prerequisite(s): First semester sophomore standing.

Term(s) Offered: Fall, Spring, Summer

EDUC 221 - Diversity and Equity in Education

Credits: 3

The purpose of this course is to explore the theory and knowledge base that supports multicultural education and an awareness of diversity within American society. Topics may include the critical study of issues as they relate to race and ethnicity, exceptionality, language and dialect, religion, gender, and age.

USI Core 39: Ways of Knowing-Social Inquiry; Embedded Experience-Diversity; Embedded Experience-Writing.

Prerequisite(s): ENG 201, grade of C or better.

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

EDUC 241 - Early Childhood Education

Credits: 3

Early Childhood Education studies the historical and current perspectives in the education of young children in early childhood settings including curriculum models, health, safety and nutrition needs of children, licensing and accreditation standards.

EDUC 242 - Growth and Development: Early Childhood

Credits: 3

Examines the development of the early years and the ways to assess development in the growth domains. Examines the importance of observation and documentation, compares assessment instruments, and examines appropriateness of each tool. Guided field experience required.

EDUC 243 - Observation, Assessment, and Documentation

Credits: 3

Examines the importance of observation and documentation to the assessment process. Techniques for each area will be considered. Field experience required.

Prerequisite(s): Concurrent enrollment in EDUC 242.

EDUC 246 - Language and Literacy in the Early Years

Credits: 3

Examines the process of language and literacy development in young children. The course focuses on ways teachers of young children integrate research based knowledge with early school and family literacy. Field experience required.

Prerequisite(s): EDUC 242.

EDUC 255 - Growth and Development: Infants and Toddlers

Credits: 3

Examines the growth and development of infants and toddlers with an emphasis on the uniqueness of the earliest years and the implications for care in group settings. Theoretical and philosophical approaches to infant/toddler care will be studied. Programs and activities for infants and toddlers will be discussed and planned, incorporating accommodations for early intervention. Required field work involves experiences with infants and toddlers (B-2 years).

Prerequisite(s): Current criminal background check.

EDUC 256 - Guidance of Young Children

Credits: 3

Studies various theories and practices related to the guidance of young children. Emphasis on self awareness for teachers and parents leading to setting program goals and promoting prosocial behavior.

Prerequisite(s): EDUC 242.

EDUC 257 - Programs for Infants and Toddlers

Credits: 3

Examines theoretical approaches in infant/toddler care. Emphasis will be on developing programs and activities for infants and toddlers in group care. Field experience required.

Prerequisite(s): EDUC 242 and EDUC 255.

EDUC 261 - Special Needs: Early Childhood Education

Credits: 3

Studies the various special needs conditions, early identification and intervention approaches, and the subsequent adaptations necessary for a classroom setting. Field experience required.

Prerequisite(s): EDUC 242.

EDUC 272 - Health, Safety, Nutrition for the Young Child

Credits: 3

Studies the link between proper nutrition, health, and child development. Special health and safety needs of young children will be explored as they relate to program plans in early childhood settings. Information for teachers to share with families will be developed. Field experience required.

Prerequisite(s): EDUC 242.

EDUC 283 - Explorations in Secondary Education

Credits: 3

This course is designed to integrate the fundamental aspects of adolescent development and teaching adolescents reading strategies in a departmentalized middle or secondary (5-12) school setting. The course will include a field experience (practicum) in a local school.

Prerequisite(s): Admission to Exploration Phase of Teacher Education including 24 credit hours of coursework with a 2.75 GPA. Demonstrated proficiency in critical reading, writing, and mathematics (Indiana's Office of Educator Licensing and Development standards and benchmarks will be followed.) Grade of C or above in all courses applied to the candidate's degree. Completion of co-enrollment in EDUC 221; completion of co-enrollment in EDUC 206.

EDUC 284 - Introductory Clinical Experiences in Secondary Schools

Credits: 3

Enrolled concurrently with EDUC 283 - Explorations in Secondary Education. Three semester hours designed around a field experience in a local school. Applied projects and experiences occur through one-on-one after-school mentoring programs and small group instruction. The clinical experiences emphasizes the application of content related to adolescent development, teaching adolescents with exceptionalities, and teaching adolescents reading strategies in a secondary education setting.

Prerequisite(s): Admission to Exploration Phase in Teacher Education and EDUC 221 (may be taken concurrently).

Co-Requisite(s) (must be taken at same time as): EDUC 283.

EDUC 285 - Early Childhood: Program Administration

Credits: 3

Analyzes and evaluates current educational programs for young children with emphasis on the management aspects of child care programs including personnel matters (employment, training, and dismissal); policies and procedures related to health, safety, fire regulations and facility maintenance; financial planning and budgeting; supervision of program; and parent relationships. Field experience required.

Prerequisite(s): Completion of 15 hours in early childhood education.

EDUC 292 - Explorations in Elementary Education

Credits: 3

This course will provide a broad overview of current issues and practices in elementary schools. Candidates will explore major child development concepts, learning theories, socio-historical contexts, and research related to the growth and development and literacy acquisition. This course requires a field experience involving tutoring in a local school.

Prerequisite(s): Admission to Exploration Phase of Teacher Education including: 24 credit hours of coursework with a 2.75 GPA. Demonstrated proficiency in critical reading, writing, and mathematics (Indiana's Office of Educator Licensing and Development standards and benchmarks will be followed.) Grade of C or above in all courses applied to the candidate's degree. Completion or co-enrollment in EDUC 221; completion or co-enrollment in EDUC 206.

EDUC 304 - Growth & Development: Early Adolescence

Credits: 3

Examines the early and current theories of early adolescent development in the areas of physical, psychosocial (cultural influences), and cognitive/language/ literacy development of students ages 10 to 14 years. Focuses on the integration of research findings and theories of growth and development in middle school practice. Guided field experience required.

Prerequisite(s): EDUC 201 or EDUC 202 or EDUC 242.

Term(s) Offered: Fall, Spring

EDUC 313 - Advanced Children's Literature

Credits: 3

Course builds upon experiences gained from introduction to children's literature by focusing on the evaluation and selection of trade books and non-print literature for children in grades P-6. Technology-based response activities will be included.

Prerequisite(s): ENG 201 (grade of C or better) and EDUC 203 (grade of C or better); sophomore standing.

Term(s) Offered: Spring

EDUC 314 - Young Adult Literature

Credits: 3

Course provides a broad survey of contemporary literature for adolescents and young adults (grades 6-12). Participants will read critically acclaimed literature and design plans for incorporating these works across the curriculum in middle school and high school classrooms. Technology-based response activities will be included.

Prerequisite(s): ENG 201 (grade of C or better) and EDUC 203 (grade of C or better; sophomore standing).

Term(s) Offered: Fall

EDUC 315 - Management for Students with Exceptional Needs

Credits: 3

This course covers behavioral theory, foundations of positive behavior support, and legal issues related to behavior. It teaches students strategies for managing the classroom to facilitate learning and ensure safety in diverse school settings. Students learn to identify the functions of student behavior and effective behavior interventions for addressing behavior difficulties. Strategies for crisis prevention and intervention are addressed.

Prerequisite(s): EDUC 292.

EDUC 340 - Special Topics in Early Childhood Education

Credits: 1-3

Explores contemporary topics or innovative developments in early childhood education. Subtitle and credit hours determined by faculty at each offering.

EDUC 344 - Family, School, Community Partnerships

Credits: 3

Examines the diversity of families and factors that influence parenting in contemporary society. Focuses on strategies to develop

working partnerships with parents. Addresses ways to design parent-teacher conferences, parent education, and parent involvement in P-6 settings. Guided field experience required.

Prerequisite(s): EDUC 201 or EDUC 202 or EDUC 242.

Term(s) Offered: Fall, Spring

EDUC 346 - Early Childhood Curriculum I

Credits: 3

Examines theoretical views of cognitive development with a focus on how children, ages three through five in preschool settings, acquire, organize, and apply knowledge. Integrated methods and developmentally appropriate activities in early childhood education for math, science, and social studies are emphasized. Foundations for Young Children to the Indiana Academic Standards are emphasized. Field experience required.

Prerequisite(s): EDUC 242.

Term(s) Offered: Fall, Spring

EDUC 347 - Early Childhood Curriculum II

Credits: 3

Examines theories and importance of creativity in children's development. Integrated methods and developmentally appropriate activities for art, music, play, and movements curriculum for children ages three through five in preschool. Field experience required.

Prerequisite(s): EDUC 242.

Term(s) Offered: Fall, Spring

EDUC 348 - School-Age Child Care

Credits: 3

This course examines the needs of children in school age childcare, ages five to 12 years. Emphasis is placed on the study of the environment, curriculum, and schedule necessary for developmentally appropriate school-age programs in a variety of settings. Field experience required.

Prerequisite(s): EDUC 242, EDUC 346, and EDUC 347 or consent of instructor.

EDUC 351 - Music, Movement, Play, and Expressive Arts

Credits: 3

This course focuses on play as the principle medium of children's learning and development through activities such as exploration

of music, movement, and rhythms for young children. Its objectives relate mainly to learning the teacher's role in supporting, facilitating, and guiding children's play with a focus on physical activity through developmentally appropriate activities for birth through age 8 settings.

Prerequisite(s): EDUC 242 or EDUC 292.

EDUC 354 - Practicum in Elementary Education

Credits: 3

Directed field experiences in approved settings involving students in the elementary school setting (Grades K-6). Experiences will involve the identification of specific learning needs within the classroom, development of integrated curriculum, collaborative implementation through differentiated instructional strategies, and assessment of instructional impact on student learning.

Prerequisite(s): EDUC 292.

Co-Requisite(s) (must be taken at same time as): Two of the following required: EDUC 373, EDUC 388, EDUC 378, MATH 392.

EDUC 355 - Practicum in Early Childhood Education

Credits: 3

Relates theory to practice through supervised experiences in an early childhood setting. Students work under the general supervision of pre-school and University personnel.

Term(s) Offered: Summer

EDUC 356 - Teaching Methods in Integrated Content Areas (Kindergarten-Primary)

Credits: 3

Examines methods and materials in the social studies, science, and mathematics that are developmentally appropriate for young children. Emphasis will be on planning active activities related to science, math, and social studies concepts in kindergarten and primary settings. Emphasis will also be on integrated curriculum and professional collaboration. Field experience required.

Prerequisite(s): EDUC 261

Term(s) Offered: Fall, Spring

EDUC 357 - Fine Arts in the Elementary School

Credits: 3

Examines the objectives, resources, curriculum development, methods of teaching expressive arts at the elementary level.

Emphasis is on dance, music, theatre and visual arts in various cultures.

Prerequisite(s): EDUC 242 or EDUC 292 and admission to the Teacher Education Program.

Term(s) Offered: Fall, Spring

EDUC 359 - Practicum Topics in Early Childhood Education

Credits: 1-3

Experience is designed to relate theory to practice through supervised experiences in an early childhood setting. Students work under the supervision of preschool and University personnel. Topic is specified for each offering.

Prerequisite(s): No prereq.

Repeatability: The course may be repeated up to a maximum of nine credit hours.

EDUC 366 - Educational Assessment

Credits: 3

Examines the impact of testing and assessment. Reviews accountability movements, standardized testing, and high stakes assessment systems as they affect the roles and power of teachers and administrators. Students will learn to construct normative and criterion referenced assessments, and learn their utility in aligning curriculum and activities with K-12 content standards. Field experiences may be required.

Prerequisite(s): EDUC 221 and EDUC 206, admission to teacher education.

Term(s) Offered: Fall, Spring, Summer

EDUC 373 - Teaching Science in the Elementary School

Credits: 3

Designed to integrate physical, biological, earth/science concepts, and the teaching of science. Experiences in inquiry-based problem solving using primary and integrated science process skills stressed. Age-appropriate science content and teaching methodologies are studied. The course also explores issues regarding safe science, evaluating student comprehension in science, and addressing state and national science standards. Field experiences with children in a school setting required. It is strongly recommended that students have completed seven credit hours of science before enrolling in this course.

Prerequisite(s): Admission to teacher education.

Term(s) Offered: Fall, Spring, Summer

EDUC 378 - Literacy Methods I

Credits: 3

Teaching techniques and materials for the developmental reading program plus techniques for establishing oral and written expression with emphasis on understanding how language learning takes place in the elementary school. Guided field experience required.

Prerequisite(s): EDUC 203. Elementary Education, Early Childhood or Special Education major.

Term(s) Offered: Fall, Spring, Summer

EDUC 381 - Literacy, Language, and Culture

Credits: 3

Candidates will know, understand, and use the major concepts, theories, and research related to the nature and acquisition of language to construct learning environments that support culturally and linguistically diverse learners' literacy and language development and content area achievement. The course will include such topics as language and identity, bilingualism, code-switching, dialects, heritage languages, language policy, language death, and first and second language learning.

USI Core 39: Embedded Experience-Global.

Prerequisite(s): EDUC 378.

EDUC 382 - Elementary Analysis of Curriculum and Instruction

Credits: 3

Three semester hour course designed to integrate the fundamental aspects of differentiated instruction, integrated curriculum development, lesson planning, and concept assessment while teaching in an elementary (K-6) school setting. The course includes a field experience practicum in a local school.

Prerequisite(s): EDUC 292 and admission to Analysis Phase in Teacher Education.

Co-Requisite(s) (must be taken at same time as): EDUC 398

EDUC 383 - Secondary Analysis of Curriculum and Pedagogy

Credits: 3

Three semester hours designed to integrate the fundamental aspects of differentiated instruction, curriculum development, lesson planning, and concept assessment while teaching in a departmentalized middle or secondary (5-12) school setting.

Prerequisite(s): Admission to Analysis Phase in Teacher Education

Co-Requisite(s) (must be taken at same time as): EDUC 384.

EDUC 384 - Advanced Clinical Experiences in Secondary Schools

Credits: 3

Three semester hours of field practicum designed to support candidates' integration of differentiated instruction, curriculum development, lesson planning, and concept assessment while teaching in a departmentalized middle or secondary (5-12) school setting.

Prerequisite(s): Admission to Analysis Phase in Teacher Education.

Co-Requisite(s) (must be taken at same time as): EDUC 383.

EDUC 385 - Teaching and Learning in the Senior High, Junior High, and Middle School

Credits: 3

The nature of teaching and learning, including psychological principles, instructional planning, instructional techniques, curriculum, and evaluation.

Prerequisite(s): EDUC 202 and admission to teacher education. Guided field experience required.

Term(s) Offered: Fall, Spring

EDUC 386 - Early Childhood Curriculum and Instruction

Credits: 3

This course is a comprehensive study of early childhood pedagogy, research and curriculum, with a focus on how preschool age children acquire, organize, and apply knowledge. Integrated methods and developmentally appropriate activities for math, science, and social studies are emphasized. Reflecting and supporting diversity in addition to utilizing observation and assessment of learning will be stressed.

Prerequisite(s): Admission to Analysis Phase in Teacher Education.

Co-Requisite(s) (must be taken at same time as): EDUC 355.

EDUC 388 - Teaching Social Studies in the Elementary School

Credits: 3

This course prepares elementary teacher candidates with the knowledge, skills, and dispositions needed to teach the social studies curriculum in grades K-6, as defined by the Indiana Academic Standards and the Indiana licensure standards for Elementary Generalists.

Prerequisite(s): EDUC 292 and admission to Teacher Education.

Term(s) Offered: Fall, Spring, Summer

EDUC 390 - Teaching Foreign Languages in the Senior High, Junior High, and Middle School

Credits: 2

Aims and methods of procedure in teaching foreign language.

Prerequisite(s): EDUC 385.

Term(s) Offered: Fall, Spring

EDUC 391 - The Teaching of High School Mathematics

Credits: 3

The materials, devices, and methods of teaching mathematics.

Term(s) Offered: Fall, Spring

EDUC 392 - The Teaching of Elementary School Mathematics

Credits: 3

The materials, devices, and methods of teaching mathematics in the elementary school. Guided laboratory experiences in local schools may be required.

Prerequisite(s): MATH 203 and admission to teacher education.

EDUC 394 - Teaching Social Studies in the Senior High, Junior High, and Middle School

Credits: 2

Emphasis on methods and materials in social studies. Required of those who do student teaching in social studies.

Prerequisite(s): 18 hours in social sciences and EDUC 385.

Term(s) Offered: Fall, Spring

EDUC 395 - Teaching English in the Senior High, Junior High, and Middle School

Credits: 2

Aims and methods of procedure in teaching English with emphasis on literature and composition, plus materials and organization as preparation for student teaching.

Prerequisite(s): EDUC 385.

Term(s) Offered: Fall, Spring

EDUC 396 - Teaching Science in Grades 5-12

Credits: 3

This course in teaching science in grades 5-12 provides teacher candidates with the standards-based practices in science planning, teaching and assessing diverse learners. The course content focuses on current Indiana and national standards with an emphasis on classroom management, teaching strategies, laboratory techniques, and educational technology appropriate for secondary science teaching.

Prerequisite(s): EDUC 283.

Term(s) Offered: Fall, Spring

EDUC 398 - Reading Methods

Credits: 3

Examines issues related to scientifically-based reading research. Reading strategies and assessments for teaching and evaluating phonemic awareness, phonics, fluency, comprehension, and vocabulary are taught and then utilized in a guided field experience.

Prerequisite(s): EDUC 203 and either EDUC 246 or EDUC 378.

Term(s) Offered: Fall, Spring, Summer

EDUC 401 - Teaching Communications in the Senior High, Junior High, and Middle School

Credits: 2

Application of communications principles to practical classroom use.

Term(s) Offered: Fall, Spring

EDUC 405 - Educational Psychology

Credits: 3

A study of educational psychology in the classroom, how techniques from this area can aid the teacher in subject matter presentation and in dealing with school pupils.

Term(s) Offered: Irregularly offered.

EDUC 407 - Growth & Development of Exceptionalities

Credits: 3

This course examines the development and characteristics of individuals ages 10 through adulthood with exceptional needs. The

course includes a survey of the physical, intellectual, social and emotional development, and the unique needs and characteristics of students who are at risk or who have exceptionalities. The course focuses on the integration of research findings and theories of growth and development in school practice.

Prerequisite(s): EDUC 201.

Term(s) Offered: Fall, Spring

EDUC 408 - Teaching Reading to Students with Special Needs

Credits: 3

Emphasizes the knowledge and skills necessary for teaching reading to students with mild disabilities.

Prerequisite(s): EDUC 242 and EDUC 261 or EDUC 292 or EDUC 283 and EDUC 284 (Exploration Block) and EDUC 206.

EDUC 411 - Legal and Contemporary Issues Related to Exceptional Needs

Credits: 3

This course will examine the legal foundations for the provision of special education services. This course will review contemporary legal findings prevalent in the field through class discussion of cases involving mediation, due process, and court decisions. Legal tenets that relate to differing opinions involving school personnel, state educational agencies, and parents will be thoroughly examined.

Prerequisite(s): EDUC 206.

EDUC 412 - Evaluation and Exceptionality: Assessment, Interpretation and Instructional Design

Credits: 3

This course explores the purpose(s) of assessment, selection of criteria, administration techniques, need for accuracy in scoring, determination of validity of interpretation, and application of data for instructional design and implementation. The development of assessment skills, awareness of legal and ethical issues, and collaboration will be emphasized.

Prerequisite(s): EDUC 315, EDUC 413, and EDUC 421.

Co-Requisite(s) (must be taken at same time as): EDUC 418 and EDUC 422.

Term(s) Offered: Fall, Spring

EDUC 413 - Exceptional Needs Instructional Strategies I

Credits: 3

This course examines teaching methods appropriate for students with exceptional needs in the primary and intermediate

categories. Emphasis is placed on all phases of the instructional process based on assessment of student needs, developmental plans, appropriate implementation and evaluation of effective instruction.

Prerequisite(s): EDUC 292

Term(s) Offered: Fall, Spring

EDUC 418 - Exceptional Needs Instructional Strategies II

Credits: 3

This course examines teaching methods appropriate for students with exceptional needs in the Early Adolescent and Young Adult categories. Emphasis is placed on all phases of the instructional process based on assessment of student needs, development plans, appropriate implementation and evaluation of effective instruction.

Prerequisite(s): EDUC 315, EDUC 411, and EDUC 423.

Co-Requisite(s) (must be taken at same time as): EDUC 412 and EDUC 422.

Term(s) Offered: Fall, Spring

EDUC 419 - Multisensory Language Approach: Teaching Reading to Struggling Readers

Credits: 3

This course examines and analyzes the structure of the English language using encoding, decoding, syllable types, phonemics, spelling rules, and word roots. It focuses on the implementation of knowledge using a multisensory approach to integrated instruction at all grade levels to improve encoding, decoding, grammar and comprehension in language art skills.

Prerequisite(s): EDUC 206, EDUC 378, and admission to Teacher Education.

EDUC 421 - Exceptional Needs Practicum I: Elementary

Credits: 3

This practicum consists of a 60-hour field experience in the elementary school setting taught concurrently with EDUC 413.

Prerequisite(s): Completion of the EDUC 292 or EDUC 283/EDUC 284 Exploration Block and EDUC 206.

Co-Requisite(s) (must be taken at same time as): EDUC 413.

EDUC 422 - Exceptional Needs Practicum II: Secondary

Credits: 3

This practicum consists of a 60-hour field experience in the secondary school setting and taught concurrently with EDUC 418.

Prerequisite(s): Completion of the EDUC 292 or EDUC 283/EDUC 284 Exploration Block and EDUC 206.

Co-Requisite(s) (must be taken at same time as): EDUC 418.

EDUC 423 - Collaborative Partnerships

Credits: 3

This course defines, studies, and applies the skills necessary for teaching collaboratively. It presents a paradigm that adheres to the belief that close working relationships between teachers serving the same students are an absolute necessity. Emphasis will be placed on the need for close communication between professionals, the challenges of scheduling and instructional coordination, and interpersonal problem solving. This course will also examine student transition as it relates to placement in the elementary school, movement from the elementary setting to a middle school placement, movement from the middle school to a high school placement and from the school setting into community environments. It will promote skill development in working with students and their parents to encourage advocacy and self determination.

Prerequisite(s): EDUC 206 and admission to Teacher Education.

Term(s) Offered: Fall, Spring

EDUC 424 - Supervised Student Teaching in Special Education

Credits: 3-9

Teacher candidates in the final semester of their program are assigned to a full-time special education placement for the duration of the semester. Candidates will student teach using USI's Co-Teaching model under the guidance of a classroom teacher and a university supervisor.

Prerequisite(s): Permission of the director of student teaching. All other courses toward degree must be completed before term begins.

Concurrent (may be taken at same time): Requires concurrent enrollment in EDUC 458 or capstone course in department of major.

Term(s) Offered: Fall, Spring

EDUC 431 - Supervised Student Teaching in Early Childhood Education

Credits: 3-9

Teacher candidates in the final semester of their program of their program are assigned to a full-time early childhood placement for the duration of the semester. Candidates will student teach using USI's Co-Teaching model under the guidance of a classroom teacher and a university supervisor.

Prerequisite(s): Permission of the director of student teaching. All other courses toward degree must be completed before term begins.

Concurrent (may be taken at same time): Requires concurrent enrollment in EDUC 458

EDUC 437 - Classroom Management through Data-based Decision Making

Credits: 3

This course examines how assessment data can be used to inform instructional decision-making and classroom management. This course will provide candidates with the assessment tools necessary to enhance learning for diverse student populations in P-6 classrooms. Teacher candidates will conduct evidence-based assessments of student learning, analyze data collected from a variety of assessments, communicate results with stakeholders, and use data to improve teaching and classroom management.

Prerequisite(s): Senior status and admission to Teacher Education.

Term(s) Offered: Fall, Spring, Summer

EDUC 440 - Current Trends in Reading

Credits: 3

The teaching of reading undergoes a variety of changes based on the social and political climate. This course offers the opportunity for students to explore trends and issues that are currently impacting the teaching of reading. Topics that may be explored: new instructional programs, state mandates in reading instruction, changing state and national standards, and phonics instruction.

Prerequisite(s): EDUC 398 or consent of instructor.

EDUC 443 - Production of Instructional Materials

Credits: 3

Planning, preparing, and evaluating teacher-produced software. Units include such areas as production, planning, graphic, photographic, and audio media. Production within units is based upon the individual's purposes and interests. Practical experiences in preparing software are emphasized.

Prerequisite(s): EDUC 214, or consent of instructor.

EDUC 455 - Diagnostic Teaching of Reading

Credits: 3

Emphasizes diagnostic teaching in which teachers assess reading during instruction. A model of diagnostic decision-making is presented that encourages the teacher of reading to view assessment and instruction as interacting and continuous processes. A variety of formal and informal assessment measures are studied for their assessment and instructional value.

Prerequisite(s): EDUC 398 or consent of instructor.

EDUC 458 - Seminar in Professional Education

Credits: 3

Capstone seminar open to all teaching majors and minors. This course provides a synthesis of interdisciplinary knowledge and pedagogical practices. Integrates knowledge gained from Core 39, subject area coursework, and professional education core. The course examines current issues faced by teaching professionals in today's schools.

USI Core 39: Embedded Experience-Writing.

Prerequisite(s): ENG 201 and permission of director of student teaching.

Concurrent (may be taken at same time): Concurrent enrollment in student teaching

Term(s) Offered: Fall, Spring

EDUC 460 - Seminar in Elementary Supervised Teaching

Credits: 2

Designed to develop insight during laboratory experiences of student teachers. Open to advanced teachers.

EDUC 463 - Professional Issues in Education

Credits: 3

This course, taken concurrently with student teaching, prepares secondary and all-grades candidates for Indiana licensure requirements. Candidates also learn how assessment data can be used to inform instructional decision-making, manage the classroom, and enhance learning for diverse student populations.

Co-Requisite(s) (must be taken at same time as): EDUC 473.

EDUC 465 - Instructional Technology Integration

Credits: 3

Focuses on the integration of technology into the school curriculum and explores the use of technology to enhance the teaching and learning process. Students will examine issues related to the evaluation, selection, and implementation of technology resources including software, hardware, and peripherals, the emerging technologies and trends in technology education, and various pedagogical approaches. Emphasis is placed on the design and implementation of technology-based instruction for K-12 classrooms.

Term(s) Offered: Fall, Spring, Summer

EDUC 466 - Authoring Educational Multimedia Resources

Credits: 3

Focuses on the systematic design and development of educational software and multimedia resources. Students plan instructional sequences, then apply computer programming and courseware design skills to the development of informational, instructional, and constructional resources. Internet, laserdiscs, CD-ROM, CD-audio, digitized audio, digitized still and motion video, and scanned images are incorporated into multimedia projects. Interdisciplinary multimedia thematic units also are developed.

Prerequisite(s): EDUC 214, EDUC 465, or equivalent.

EDUC 467 - The Internet in Education

Credits: 3

Focuses on the applications of Internet technology in teaching and education with emphases on resources, publication, and research. Topics include the examination of diverse Internet-based tool and information sources for teachers and learners. Students explore the Internet and create web publications applicable to professional development, student publication, school based network presence, and lesson development.

Prerequisite(s): EDUC 214, EDUC 465, or equivalent.

EDUC 468 - Instructional Technology Administration

Credits: 3

Focuses on technical and management skills needed to coordinate the technology program in a school. Technical topics include advanced instructional development, general technical troubleshooting and maintenance; and assistive technology. Management topics include technology planning, implementation, and evaluation; staff development; facilities design; budgeting, and grant writing.

Prerequisite(s): EDUC 214, EDUC 465, or equivalent.

EDUC 469 - Special Topics in Computer Education

Credits: 1-3

Explores contemporary topics or innovative developments related to the integration of computers and other technology into educational settings. Credit hours available determined by faculty.

Prerequisite(s): Consent of instructor.

Repeatability: Repeatable for maximum of five credit hours.

Term(s) Offered: Fall, Spring

EDUC 471 - Supervised Student Teaching in Elementary Education

Credits: 3-9

Teacher candidates in the final semester of their program are assigned to a full-time elementary placement for the duration of the semester. Candidates will student teach using USI's Co-Teaching model under the guidance of a classroom teacher and a university supervisor.

Prerequisite(s): Permission of the director of student teaching. All other courses toward the degree must be completed before term begins.

Concurrent (may be taken at same time): Requires concurrent enrollment in EDUC 458

Term(s) Offered: Fall, Spring

EDUC 473 - Supervised Student Teaching in Secondary or P-12 Education

Credits: 3-9

Teacher candidates in the final semester of their program are assigned to a full-time placement for the duration of the semester. Candidates will student teach using USI's Co-Teaching model under the guidance of a classroom teacher and a university supervisor.

Prerequisite(s): Permission of the director of student teaching. All other courses toward degree must be completed before term begins.

Concurrent (may be taken at same time): Requires concurrent enrollment in EDUC 437, EDUC 458 or capstone course in department of major.

Term(s) Offered: Fall, Spring

EDUC 474 - Supplemental Supervised Teaching in the Secondary School

Credits: 6

Participation and actual teaching in the secondary grades for teacher candidates completing secondary licensure only. Enrollment only by permission of director of student teaching.

Term(s) Offered: Fall, Spring

EDUC 476 - Kindergarten Practicum

Credits: 3

For students on the elementary curriculum who wish to be certified for teaching in kindergarten. Enrollment only by permission of director of student teaching.

Term(s) Offered: Fall, Spring

EDUC 478 - Supervised Teaching Elementary Reading

Credits: 3-6

Participation and actual teaching in an elementary reading setting for candidates completing the elementary reading minor. Enrollment only by permission of director of student teaching.

Term(s) Offered: Fall, Spring

EDUC 480 - Diversity in Children's Literature

Credits: 3

This course examines the representation of diverse populations in literature for children and adolescents. In the course, students have an opportunity to read a variety of multicultural books written for students in grades K-8, research authors who write and illustrate multicultural books, examine the multiple perspectives represented in books advertised as multicultural and discuss using the books in classrooms.

Prerequisite(s): Admission to Teacher Education.

EDUC 488 - The Middle School Curriculum

Credits: 3

Designed to serve the needs of those concerned with the development and organization of the middle school program. It encompasses a consideration of the theory and processes of curriculum planning and evaluation.

Prerequisite(s): EDUC 304 (may be taken concurrently) and admission to Teacher Education.

Term(s) Offered: Fall, Spring

EDUC 490 - Special Topics in Education

Credits: 1-3

Course is devoted at each offering to the study of a contemporary topic or innovative development in education. Credit hours available for each offering and course requirements are determined by the education faculty.

EDUC 493 - Content Area Reading: Differentiated Instruction

Credits: 3

Teaching techniques and materials for using reading and writing across the curriculum in middle and senior high school. The role of teachers, parents, and other relevant personnel will be investigated in relation to best practices in differentiated instruction for all learners including exceptionalities.

Prerequisite(s): EDUC 385 or (for Physical Education Teaching majors only) PET 395.

EDUC 494 - Workshop in Reading

Credits: 2

An analysis of instructional programs in content areas with emphasis on both developmental reading and remedial procedures.

EDUC 498 - Current Research in Education

Credits: 1-3

A survey of current research in education. Designed to meet individual needs of students.

EDUC 499 - Individual Study in Educational Psychology

Credits: 1-3

A survey of current research in learning. Designed to meet individual needs of students

ENG 100 - Introduction to Rhetoric and Composition

Credits: 3

A portfolio-based, preparatory course in reading, writing, reflection, and discussion, emphasizing rhetorical analysis and strategies for focusing, developing, and organizing writing. Special attention also is given to strategies for revising and editing writing. Course credits will apply as electives toward graduation.

Prerequisite(s): GENS 098 or appropriate placement, based on high school GPA and standardized test scores (SAT or ACT). Basic keyboarding skills required.

Term(s) Offered: Fall, Spring, Summer

ENG 101 - Rhetoric and Composition I: Literacy and the Self

Credits: 3

A course in the critical arts of reading, writing, reflection, and discussion, with an introduction to rhetoric and informal logic.

USI Core 39: Foundations-Rhetoric and Composition I.

Prerequisite(s): ENG 100 or appropriate placement based on SAT Critical Reading and Writing Scores (or ACT equivalents), high school rank percentile, and English Department placement essay. Basic keyboarding skills required.

This course is part of the Core Transfer Library (CTL).

Indiana Statewide Common Course #: *IEL 1240*.

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

Term(s) Offered: Fall, Spring, Summer

ENG 103 - Fundamentals of Creative Writing

Credits: 1

This course, designed specifically for incoming freshmen with creative writing scholarships, teaches the fundamentals of poetry and fiction writing. Students will read and write fiction and poetry.

Term(s) Offered: Fall

ENG 105 - Introduction to Literature

Credits: 3

An introduction to literature emphasizing the ability to read critically. Topics vary.

USI Core 39: Ways of Knowing-Creative and Aesthetic Expression.

This course is part of the Core Transfer Library (CTL).

Indiana Statewide Common Course #: *IEL 1270*.

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

Term(s) Offered: Fall, Spring, Summer

ENG 201 - Rhetoric and Composition II: Literacy and the World

Credits: 3

A second course in the critical arts of reading, writing, reflection, and discussion emphasizing the responsibilities of written inquiry and structured reasoning.

USI Core 39: Foundations-Rhetoric and Composition II.

Prerequisite(s): ENG 101 or approved equivalent.

This course is part of the Core Transfer Library (CTL).

Indiana Statewide Common Course #: *IEL 1241*.

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

Term(s) Offered: Fall, Spring, Summer

ENG 205 - Introduction to English Studies and Ways of Reading

Credits: 3

ENG 205 introduces students to the major literary genres (lyric poetry, drama, and prose fiction), to significant theoretical orientations (such as formalism, reader-response, Marxism, and feminism) that establish particular ways of reading any text, and

to the range of disciplines included within the study of English (including linguistics, rhetoric, writing, and the teaching of English). This course is intended to help students become more critical and informed readers, more comfortable with the terminology used across the broad spectrum of English courses, and more able to marshal technical information and apply theoretical concepts in their literary interpretations.

Prerequisite(s): ENG 201 or equivalent.

Term(s) Offered: Fall, Spring

ENG 210 - Technical Writing

Credits: 3

The fundamentals of technical communication with emphasis on clear, precise, and orderly exposition.

USI Core 39: Embedded Experience-Writing.

Prerequisite(s): ENG 201.

This course is part of the Core Transfer Library (CTL).

Indiana Statewide Common Course #: IEL 1242.

ENG 222 - Concepts of Good and Evil in Literature

Credits: 3

A study of literary works from different countries and eras that reflect on the causes, nature, and consequences of good and evil. Special focus on development of ethical principles and decision-making.

USI Core 39: Ways of Knowing-Moral and Ethical Reasoning.

Prerequisite(s): ENG 101.

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

ENG 226 - Introduction to Folklore

Credits: 3

Through the study of American Folklore in its various forms (legend, food, folk craft and art, superstition, regional dialects, etc), students will come to a better understanding of how folklore is a part of our individual, cultural, and national identities and, as a result of this knowledge, students will be better able to understand other cultures.

Prerequisite(s): ENG 201.

ENG 227 - Literature and Popular Culture

Credits: 3

Students will develop an understanding of the uses of creative expression in both the literary arts and popular culture, interpreting diverse works of art through critical reading, thinking, and writing. Topics vary.

Prerequisite(s): ENG 201.

ENG 231 - African American Literature

Credits: 3

A course which examines the African American literary tradition, covering representative works from the African pre-colonial and modern periods, nineteenth century America, the Harlem Renaissance, to the present. Included are works by African and African American authors from the oral and written traditions of poetry, prose, and drama.

USI Core 39: Embedded Experience-Diversity.

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

ENG 255 - Introduction to British Literary History

Credits: 3

This course examines the historical development of British literature, from the Anglo-Saxon invasions that catalyzed the birth of a British national identity and brought Beowulf into the literature of England, through the contentious development of this national identity into a global power, to Britain's 20th century post-colonial status. By concentrating on representative or "canonical" works as well as those conventionally underrepresented, the course will provide students with the background necessary to understand British literary works in their social, political, and cultural contexts.

Prerequisite(s): ENG 101 or equivalent.

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

Term(s) Offered: Fall, Spring

ENG 265 - Introduction to American Literary History

Credits: 3

ENG 265 provides an overview of the main currents in the development of American literature, from its beginnings in pre-colonial times through its reliance on and then struggle against British and European themes and forms, to its 20th-century development into the many voices of an uneasily multi-ethnic world power. By historically situating representative works from within the canon as well as from voices traditionally excluded or under-represented, the course will provide students with the background necessary to understand literature as the product of and often as challenging this background.

Prerequisite(s): ENG 101 or equivalent.

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

Term(s) Offered: Fall, Spring

ENG 285 - Introduction to Film

Credits: 3

An introductory examination of motion pictures as an art form. Students attend a series of selected films and discuss and evaluate them with respect to theme and technique. Critical principles are examined, and basic dramatic, literary, and photographic principles of cinema are investigated.

USI Core 39: Ways of Knowing-Creative and Aesthetic Expression.

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

Term(s) Offered: Fall, Spring

ENG 286 - Classical Mythology

Credits: 3

A study of the mythologies and legends of the Near Eastern, Cretan, Greek, Roman, and Northern European civilizations.

USI Core 39: Ways of Knowing-World Languages and Culture.

Prerequisite(s): ENG 101.

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

ENG 288 - Introduction to Women in Literature

Credits: 3

This course exposes students to a variety of texts by and about women from diverse historical periods and cultures, emphasizing issues of race, class, gender, and sexuality. Readers will discover the changing cultural norms that have defined women in different times and places. The readings will challenge students to engage with various perspectives and think critically about cultural assumptions and viewpoints.

USI Core 39: Embedded Experience-Diversity.

Prerequisite(s): ENG 101.

ENG 299 - Special topics of Literature

Credits: 3

Selected works grouped together because they all deal with the same type (e.g., Science Fiction, Satire) author(s) (Hemingway and Fitzgerald, Virginia Woolf), or concept (Alienation in Literature, Psychology and Literature). Each time this course is offered the particular topic is announced in the class schedule. A student may take this course only once for credit as part of the English requirements, a student may take the course more than once for elective hours toward University requirements.

ENG 301 - Advanced Composition

Credits: 3

A flexible course in advanced composition emphasizing the analysis of various rhetorical situations and the cultivation of prose styles appropriate to these situations.

USI Core 39: Embedded Experience-Writing.

Prerequisite(s): ENG 201

Term(s) Offered: Fall, Spring

ENG 302 - Creative Writing

Credits: 3

Inquiry into the creative process. Students will write poems, short fiction, and dramatic scenes with critical analysis and discussion by the instructor and class.

USI Core 39: Ways of Knowing-Creative and Aesthetic Expression.

Prerequisite(s): ENG 201 or consent of instructor.

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

Term(s) Offered: Fall, Spring

ENG 303 - Poetry Workshop

Credits: 3

An intense study of poetry in which students examine poems of others and address in their own poems; issues of character, personality, image, nuance, tone, setting; and concision.

Prerequisite(s): ENG 302.

Repeatability: May be used only once for ENG major/minor requirements, but may be taken up to three times.

This course is part of the Core Transfer Library (CTL).

Indiana Statewide Common Course #: IEL 1271.

Term(s) Offered: Fall

ENG 304 - Fiction Workshop

Credits: 3

An intense study of fiction in which students examine fiction of others and write fiction of their own.

Prerequisite(s): ENG 302.

Repeatability: May be used only once for ENG major/minor requirements, but may be taken up to three times.

Term(s) Offered: Spring

ENG 305 - Creative Non-Fiction Workshop

Credits: 3

A course in which students will hone critical skills and polish their prose in the literary essay.

Prerequisite(s): ENG 302.

Repeatability: May be used only once for ENG major/minor requirements, but may be taken up to three times.

Term(s) Offered: Fall

ENG 307 - Screenwriting Workshop

Credits: 3

An intense study of screenwriting in which students examine screenplays of others and write a full-length screenplay of their own. Use only once in ENG majors/minors; for graduation, may be taken three times.

Prerequisite(s): ENG 302.

ENG 310 - Writing in the Secondary Schools

Credits: 3

A course for prospective secondary school teachers on issues related to teaching writing in grades 5-12, including writing as a process, assigning and evaluating student writing, portfolio assessment, and research as writing to learn. Students also will practice writing in a variety of modes. Required for Teacher Certification in English.

Prerequisite(s): ENG 301 or consent of instructor.

ENG 313 - Introduction to Linguistics

Credits: 3

An introduction to the discipline of linguistics, with particular attention to the following fields: historical linguistics, comparative linguistics, descriptive linguistics, semantics, applied linguistics (with special reference to education), sociolinguistics, psycholinguistics, and assorted grammatical studies.

Prerequisite(s): ENG 201 or permission of instructor.

This course is part of the Core Transfer Library (CTL).

Indiana Statewide Common Course #: IEL 1260.

ENG 314 - Survey of English Grammars

Credits: 3

Survey of the tradition of English grammatical study, including scholarly and pedagogical grammars, from the eighteenth century to the present.

Prerequisite(s): ENG 201 or consent of instructor.

ENG 316 - Critical and Investigative Writing

Credits: 3

A course aimed at developing critical thinking and investigative skill—the latter involving greater sophistication not only in secondary research but also in primary research (e.g., questionnaires, interviews, etc.). These skills are applicable whether the writing is for government agencies, non-profit organizations, research foundations, business, industry, or education.

USI Core 39: Embedded Experience-Writing.

Prerequisite(s): ENG 201.

ENG 319 - Fundamentals of Grant Writing

Credits: 3

This course studies the grant-writing process from the basic principles of grant seeker eligibility and donor research, proposal guidelines, required submission components, and follow-up procedures. The course will include the design and completion of an individual grant proposal as well as a narrowly-focused, collaborative mock proposal stressing the ability to submit a grant proposal to a private foundation, corporation, or government institution.

USI Core 39: Embedded Experience-Writing.

Prerequisite(s): ENG 201.

ENG 322 - The Short Story

Credits: 3

A chronological investigation of the development of the short story, emphasizing the short story in English but considering European, Asian, and Latin American traditions as well.

Prerequisite(s): ENG 201 and sophomore standing.

ENG 330 - Ethnic Literature in America

Credits: 3

A survey of significant minority contributions to literature, particularly Black-American, but including Native-American, Asian-American, and Mexican-American.

USI Core 39: Embedded Experience-Diversity.

Prerequisite(s): 62 credit hours or consent of instructor.

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

Term(s) Offered: Spring

ENG 361 - Playwriting

Credits: 3

An intense study of dramaturgy in which students will write dramas of their own.

USI Core 39: Ways of Knowing-Creative and Aesthetic Expression.

Prerequisite(s): ENG 302 and THTR 102.

Cross-Listed: Cross-listed with THTR 361.

ENG 371 - Non-Western World Literature

Credits: 3

Readings in the literature and literary theory of the non-Western World. This course engages in detailed analysis of key texts written in English or English translation. Readings may be selected from the literatures of Asia, Africa, the Caribbean, and the Middle East.

USI Core 39: Embedded Experience-Global.

Prerequisite(s): ENG 201 and sophomore standing.

ENG 372 - Western World Literature

Credits: 3

Readings in the literature and literary theory of the Western World, excluding Great Britain and the United States. This course engages in detailed analysis of key texts in English translation. Readings may be selected from the literatures of the European Continent, Western Hemisphere, and Post-colonial contexts.

USI Core 39: Embedded Experience-Global.

Prerequisite(s): ENG 201 and Sophomore standing

Cross-Listed: Cross-listed with INST 372.

ENG 373 - Introduction to African Literatures

Credits: 3

Through the study of a variety of genres this course offers a detailed introduction to the literature of the different countries and peoples that make up the vast continent of Africa. We will read texts written in English or translated from French, Portuguese, Arabic and African languages. Literary theory, film and history will strengthen and support our understanding of the fiction we read.

Prerequisite(s): ENG 201.

ENG 375 - Modern Canadian Literature

Credits: 3

A study of major trends and authors in modern Canadian prose fiction from about 1930 to the present, with some consideration of cultural backgrounds.

Prerequisite(s): ENG 201 and junior standing.

ENG 381 - Medieval World Literature

Credits: 3

An introduction to Medieval World Literature in translation, including works from Europe, the Middle East, and Asia from the sixth century CE to 1400 CE. Students will read major works by Boethius, Dante, Christine de Pizan, Petrarch, Abelard and Heloise, Chretien de Troyes, Farid Ud-Din Attar, Kenko, Sei Shonagon, and Ou-Yang Hsui, as well as anonymous Irish and Anglo-Saxon texts.

Prerequisite(s): ENG 201.

ENG 382 - Literature of the Bible

Credits: 3

Literary study of selected writings of the Hebrew Bible, the Apocrypha, and the New Testament, in English translation.

Prerequisite(s): sophomore standing or consent of instructor.

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

ENG 386 - World Mythology

Credits: 3

An examination of the major cultural mythologies from around the world for cross-cultural comparisons and contrasts.

USI Core 39: Ways of Knowing-World Languages and Culture.

Prerequisite(s): ENG 201 and sophomore standing.

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

Term(s) Offered: Spring

ENG 387 - Women's Literature and Gender Issues: 19th- and 20th-Century Theory

Credits: 3

A study of significant 19th- and 20th-century works of literature and literary theory by or about women, with special emphasis on the implications of gender for art and culture.

Prerequisite(s): ENG 201 or consent of instructor.

ENG 399 - Special Topics in Creative Writing: Techniques

Credits: 3

This course is a revolving-content course on the artful use of specific techniques in creative writing through reading, writing, and workshop. Students should have workshop (ENG 303, ENG 304, or ENG 305) experience in the genre being studied, or permission of the instructor.

Prerequisite(s): ENG 302.

Repeatability: This course is repeatable for up to nine credit hours in the Creative Writing emphasis.

ENG 402 - Advanced Creative Writing

Credits: 3

An advanced course designed for students committed to writing professional poetry, or fiction. Students will be admitted by consent of the instructor and will contract with the instructor to concentrate in one of the above areas.

Prerequisite(s): ENG 302 and ENG 303 or ENG 304, or consent of instructor.

ENG 411 - Writing in the Digital Age

Credits: 3

A course in the kinds of writing made possible by computer-based composing with attention to the impact of technology and

computers upon the writer's process and product. The course will cover word processing, document design, desktop publishing, hypertext, email, Internet information access, and multimedia presentation.

Prerequisite(s): ENG 301.

ENG 412 - Writing for the Professions

Credits: 3

Study of practical ways to write the specialized documentation needed for today's industry, science, research, and technical management.

Prerequisite(s): ENG 301.

ENG 413 - Theory in Rhetoric and Writing

Credits: 3

A course that examines the historical development of rhetoric and writing studies, paying special attention to current theory and pedagogy. Course includes reading in major movements from pre-process to post-process; modes of inquiry such as theoretical, historical, and empirical; and areas of special importance to today's teachers and scholars, including feminist rhetoric, culture studies, and social justice. Counts toward the directed elective requirement within the English teaching major and fulfills the directed elective/theory requirement within the Rhetoric and Writing Emphasis.

Prerequisite(s): ENG 201 and junior standing.

ENG 414 - Intercultural Technical Writing

Credits: 3

Intercultural Technical Writing will provide students with the ability to discern and conceptualize the codes, conventions, and discourse structures of differing cultures, thus enabling students to both localize and internationalize technical and professional documents. This course emphasizes that recognizing and analyzing cultural diversity is essential for successful communication within the scientific, technical, and business fields.

Prerequisite(s): ENG 201 and junior standing.

ENG 415 - History of Rhetoric

Credits: 3

An understanding and comparison of various movements in the history of rhetoric, with particular emphasis on the relationship between rhetorical strategy and one's image of human beings and on historical events which influenced rhetoric. The course aims to increase the scope of students' understanding of rhetoric and help them apply this knowledge to their own communication and

to their evaluation of the communications of others.

Prerequisite(s): ENG 201 and junior standing.

Cross-Listed: Cross-listed with philosophy.

ENG 416 - Contemporary Issues in Rhetoric

Credits: 3

An intensive exploration of the 20th century's re-valuing of rhetoric as an interdisciplinary theory of language and meaning. This course complements ENG 415 - History of Rhetoric.

Prerequisite(s): ENG 205 and junior standing.

ENG 417 - History of the English Language

Credits: 3

A chronological study of the recorded history of the English language from the ninth century to the present. Detailed study of major changes in phonology, lexicon (morphology and semantics), and syntax. Attention to the notion and practice of Standard English and to the development and current state of dialects in the USA.

Prerequisite(s): ENG 201 and junior standing.

ENG 419 - Advanced Grant Writing

Credits: 3

This course applies the fundamentals and theory of grant writing to a client-based project with non-profit or not-for-profit local organizations in a service-learning environment. Students will work with the client to locate sources of funding, prepare the grant proposal, and submit the grant application to the appropriate agency. Classroom instruction will include rhetorical analysis of the grant-writing situation broadly allowing them to apply principles of effective grant writing to a specific client and grant situation. English 419 also emphasizes the effective management of collaborative writing and client-based projects.

Prerequisite(s): ENG 319 or permission of instructor.

Repeatability: This course is repeatable up to six hours for the Rhetoric and Writing emphasis.

ENG 424 - Chaucer

Credits: 3

A study of the major works of Geoffrey Chaucer, particularly The Canterbury Tales, with attention to the language and times of Chaucer. Includes lecture and discussion.

Prerequisite(s): 62 credit hours of credit or consent of instructor.

ENG 425 - Milton: Prose and Poetry

Credits: 3

John Milton's prose and poetry constitute essential parts of the English tradition in literature, politics, and religion. This course focuses on Milton's prose writings—e.g., *Areopagitica* and *The Tenure of Kings and Magistrates*—which have profoundly influenced both the English and American politics and on his lyric, epic, and dramatic poems, including close study of *Paradise Lost* and *Paradise Regained*.

Prerequisite(s): ENG 201 and junior standing.

ENG 426 - The Literature of the Renaissance

Credits: 3

Non-Shakespearean drama, poetry, and prose of the Renaissance. Emphasis on major figures such as Spenser, Donne, and Milton.

Prerequisite(s): Either ENG 255 and ENG 301 or consent of instructor.

ENG 427 - Neo-Classical and Eighteenth-Century Literature

Credits: 3

From Dryden to the pre-Romantics. Emphasizes poetry and changing social thought in England and America, with continental backgrounds.

Prerequisite(s): ENG 201 and junior standing.

ENG 431 - Nineteenth-Century Literature

Credits: 3

The writing of the English Romantics and Victorians and of American writers of the period, studied against the background of nineteenth-century continental writers.

Prerequisite(s): ENG 201 and junior standing.

ENG 432 - Twentieth-Century Poetry

Credits: 3

A study of representative twentieth- century poets.

Prerequisite(s): ENG 201 and junior standing.

ENG 435 - The Novel to the Twentieth Century

Credits: 3

A study of prose fiction to 1900 including the origins of the novel in the seventeenth century, the Enlightenment and Romantic Era, and the great Victorian, American, European, and Russian writers of the nineteenth century in English or in English translation.

Prerequisite(s): ENG 201 and junior standing.

ENG 436 - The Novel of the Twentieth Century

Credits: 3

A study of prose fiction after 1900, including the great Modernist writers of England and Europe along with great post-Modernist practitioners from throughout the world including Latin America, the Middle East, and Australia in English or in English translation.

Prerequisite(s): ENG 201 and junior standing.

ENG 437 - Contemporary Fiction

Credits: 3

A study of prose fiction of the recent past by practitioners from throughout the world in English or English translation.

Prerequisite(s): ENG 201 and junior standing.

ENG 442 - Literature of the Middle Ages

Credits: 3

This course covers a broad range of medieval literary forms including drama, romance, lyrics and ballads, letters, treatises, and devotional literatures of the Middle Ages.

Prerequisite(s): ENG 201 and junior standing.

ENG 444 - Literature in the Secondary Schools

Credits: 3

A course on issues related to the teaching of literature in grades 5 through 12, including censorship, literary theory, adolescent literature, multicultural literature, the ethics of reading, and the connections between reading and the other language arts: writing, speaking, and listening.

Prerequisite(s): ENG 301.

ENG 448 - Literary Criticism and Theory

Credits: 3

A study of literary criticism and aesthetic theory. Consists of a survey of literary theories, and an introduction to current critical approaches to literature.

Prerequisite(s): ENG 201 and junior standing.

ENG 449 - Major Author

Credits: 3

An intensive study of the works of a major author in fiction, poetry, drama, or nonfiction. Course may be repeated for credit as long as the student has not previously studied the author in an ENG 449.

Prerequisite(s): junior standing.

ENG 451 - Shakespeare's Histories and Tragedies

Credits: 3

An intensive study of selected histories and tragedies written by William Shakespeare.

Prerequisite(s): ENG 201 and junior standing, or consent of instructor.

Term(s) Offered: Fall

ENG 453 - Shakespeare's Comedies and Romances

Credits: 3

An intensive study of selected comedies and romances by William Shakespeare.

Prerequisite(s): ENG 201 and junior standing, or permission of the instructor.

Term(s) Offered: Spring

ENG 459 - Special Studies in English

Credits: 1-6

English studies in conjunction with special activities and events, such as seminars, conferences, field work, travel projects, and research. Semester hours of credit awarded for each offering will be determined by the instructor and the department chairperson.

Prerequisite(s): consent of instructor.

Repeatability: Repeatable for up to six hours with change of topics.

ENG 473 - History of Western Drama I

Credits: 3

Survey of representative plays from the Classics through the English Renaissance as a basis for theatrical production and dramatic criticism.

Prerequisite(s): ENG 201 and junior standing, or consent of instructor.

Cross-Listed: Cross-listed as THTR 473.

Term(s) Offered: Fall

ENG 474 - History of World Drama II

Credits: 3

A broad study of dramatic literature from 1600 to the modern period as a basis for establishing a world view through theatrical and dramatic criticism.

Prerequisite(s): ENG 201 and junior standing, or consent of instructor.

Cross-Listed: Cross-listed as THTR 474.

Term(s) Offered: Spring

ENG 480 - Independent Study

Credits: 3

Individualized study under the direction of a faculty member, leading to the production of a substantial written product. May be used to meet a requirement for the English major or minor with prior approval of the department chairperson.

Prerequisite(s): ENG 205 and junior standing.

Repeatability: A maximum of six credit hours may be earned.

ENG 490 - Practicum: Tutoring and Individualized Instruction in English

Credits: 3

A course that enables a student to gain practical experience in teaching English on a one-to-one basis while staffing the University's Writing Workshop. Tuition waiver possible. Hours do not apply to Core 39 or the English major. Students attend a weekly seminar of approximately one-and-one-half hours and tutor in the workshop.

Prerequisite(s): consent of instructor.

ENG 491 - The Writer at Work

Credits: 3

An advanced seminar for students in the Creative Writing Emphasis, involving all aspects of preparing a manuscript through actual publication. Students will complete a project demonstrating such professional competence.

Prerequisite(s): senior standing and consent of instructor.

ENG 498 - Internship in English

Credits: 3

A course granting credit for work experiences complementing the English major. The course provides for a minimum of 150 hours of supervised professional work, two written evaluations by the supervisor, an on-site visit by a University representative, maintenance of a log or portfolio, and periodic interviews with a department faculty member. Open to juniors or seniors.

Prerequisite(s): ENG 301 and consent of instructor.

Grading: Grades assigned as Satisfactory or Unsatisfactory only.

Term(s) Offered: Fall, Spring, Summer

ENG 499 - Seminar in Literature and Language

Credits: 3

An advanced topics course for majors, minors, and other qualified students.

Prerequisite(s): 62 credit hours and consent of instructor.

Repeatability: A maximum of six credit hours may be earned.

ENGR 101 - Engineering Orientation

Credits: 1

Presentation and discussion of current professional engineering topics by faculty and guest lecturers. Student club meetings also are held during this class period. Required of all new full-time engineering, advanced manufacturing and industrial students.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (1-0)

ENGR 103 - Principles of Problem Solving

Credits: 3

Problem solving method in geometry, trigonometry, force vectors, energy, equation of linear, exponential, and power data, unit conversions, laboratory and report.

Prerequisite(s): MATH 118 or MATH 111 (may be taken concurrently).

Co-Requisite(s) (must be taken at same time as): MATH 118

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): Two hours lecture, two hours recitation/lab.

Term(s) Offered: Fall, Spring

ENGR 104 - Applied Problem Solving

Credits: 3

Problem solving using computers, flowcharts, and computer programming.

Prerequisite(s): ENGR 103, grade of C or better.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): Two hours lecture, two hours lab.

Term(s) Offered: Spring

ENGR 107 - Introduction to Engineering

Credits: 3

This course introduces students to a systematic, engineering problem-solving method. Problems have been selected to preview many of the engineering courses that the students will take as sophomores, including statics and electrical circuits. A large portion of this course is dedicated to formulating problems for computer solutions using methods such as flowcharting that can be applied to any programming language. Additionally, students learn computer programming using VISUAL BASIC and MATLAB.

Prerequisite(s): MATH 230 (may be taken concurrently), or consent of instructor.

Co-Requisite(s) (must be taken at same time as): MATH 230

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (0-6)

Term(s) Offered: Fall, Spring

ENGR 108 - Introduction to Design

Credits: 3

In this course students will learn engineering design, design process, reverse engineering, and management design projects. This is achieved by multi-week, team-oriented, hands-on design projects in the areas of civil, electrical, industrial and mechanical engineering. Simultaneously, the students learn engineering graphics and computer-aided drafting (CAD), and develop skills in engineering communications, including technical writing and oral presentations. Students also will document and defend their projects.

Prerequisite(s): ENGR 107 minimum grade of C.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (0-6)

Term(s) Offered: Fall, Spring

ENGR 202 - Introductory Engineering Methods and Applications

Credits: 3

This course introduces students to topics in engineering. Students will be exposed to engineering methods, application, design and analysis through projects. These projects are selected to introduce students to underlying scientific principles typically used in engineering. Projects will encourage students to explore connections between science and mathematics.

Prerequisite(s): MATH 203 or MATH 111

ENGR 235 - Statics

Credits: 3

Fundamentals of engineering mechanics including forces acting on bodies at rest as they apply to equilibrium of coplanar force systems, analysis of frames and trusses, non-coplanar force systems, friction, centroids, and moments of inertia. Emphasis is placed on drawing a free-body diagram, determining the equilibrium equations, and developing a logical scheme for complete analysis of an engineering statics problem.

Prerequisite(s): PHYS 205 and MATH 235.

Co-Requisite(s) (must be taken at same time as): MATH 235

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (3-0)

Term(s) Offered: Fall, Spring

ENGR 265 - Energy Systems and Sustainable Design

Credits: 3

ENGR 265 will include a survey of energy systems, energy production, and efficiencies of the various systems that are currently in use and/or are under development. It will also cover topics of energy usage, such as building systems and sustainable building design. The production, transportation and consumption of energy are some of the more important topics facing the human race,

because energy touches on every facet of human existence. This course will prepare engineering students to contribute to the complex societal nature of energy production, usage, and conservation in a quantitative way.

Term(s) Offered: Fall

ENGR 275 - Dynamics

Credits: 3

Kinematics and kinetics of particles and rigid bodies using vector analysis. Topics include: force, mass, acceleration, work and energy, impulse, and momentum.

Prerequisite(s): ENGR 235 and MATH 230.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (3-0)

Term(s) Offered: Fall, Spring

ENGR 290 - High Altitude Ballooning

Credits: 1

Participation in an end-to-end engineering project as part of a team to prepare, launch, track, and recover a high-altitude helium-filled weather balloon which will carry a number of devices and experiments. Each student will be expected to contribute to at least one device or experiment, and to participate in other aspects of the pre-flight and post-flight experience. Oral presentations will be required pre-flight and post-flight.

Prerequisite(s): Consent of instructor.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (1-1)

Term(s) Offered: Spring

ENGR 291 - Experimental Design and Technical Writing

Credits: 2

This is a 2-credit hour (1 hour lecture + 2 hours laboratory per week) course designed to improve your skills as an experimenter. You will gain proficiency in designing and executing an experiment and then analyzing and presenting the results (both in written and oral form). Writing technical reports is a significant component of this course, as is technical reading related to lifelong learning and ethical responsibility.

USI Core 39: Embedded Experience-Writing.

Prerequisite(s): ENG 201 and ENGR 108.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): 1-2.

Term(s) Offered: Fall

ENGR 298 - Service Learning – Leadership & Mentoring in Engineering

Credits: 1

This course will allow the engineering student to work with high school students in project Lead the Way. Concepts involved will be team leadership, teaching and mentoring. A report of activities will be required at the end of the semester.

Prerequisite(s): Junior or senior standing in engineering.

ENGR 299 - Co-op Experience

Credits: 1

Approved investigation undertaken coincident with the co-op assignment. Evaluation based on a formal report submitted by the student.

Prerequisite(s): Sophomore standing and consent of department chair.

Term(s) Offered: Fall, Spring

ENGR 305 - Engineering Statistics

Credits: 3

Calculus-based examination of descriptive and inferential statistics. Topics covered include population and sample data analysis, discrete random variables, continuous random variables, frequency distributions, probability, hypothesis testing, analysis of variance, regression, and correlation. Computer applications for problem solution are required.

USI Core 39: Ways of Knowing-Scientific and Mathematical Inquiry.

Prerequisite(s): ENGR 107 and MATH 235.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (3-0)

Term(s) Offered: Fall, Spring

ENGR 324 - Construction Materials and Estimating

Credits: 4

A study of aggregates, concrete, steel, wood, and asphaltic materials, including concrete mix design. Additional subject matter covered will be characteristics, capabilities, and operating costs of equipment; estimation of construction costs; field inspection practices and responsibilities.

Prerequisite(s): ENGR 107 and junior standing in Engineering.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (3-3)

ENGR 335 - Engineering Economics

Credits: 3

This course is designed to provide information on the scope and application of various numerical techniques and evaluation criteria for making economic decisions. Interest rates, cash flows, depreciation, and tax implications will be covered. Methods such as present worth, annual worth, future worth, and rate-of-return will be used to make comparisons between alternatives.

Prerequisite(s): Sophomore standing and either MATH 215 or MATH 230.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (3-0)

Term(s) Offered: Fall, Spring

ENGR 353 - Entrepreneurial Feasibility Analysis

Credits: 3

This course focuses on the development of analytical skills required to examine the feasibility of a product innovation or business concept by conducting product, market, organizational, and financial research. Through prototype development, customer interaction, and secondary research, innovative ideas are first analyzed with regard to technical feasibility and commercializability. This information is then used to examine organizational and financial feasibility (i.e., profit potential), which provides the details of how the idea can be taken to market successfully.

Prerequisite(s): ENGR 108.

ENGR 355 - Strength of Materials

Credits: 4

A study of stress-strain relationship for axial, torsion, shearing, and bending loads; deflection of beams; connections; combined loadings; statically indeterminate members; and plane stress. The laboratory experience will include material testing to determine physical and mechanical properties that will reinforce the principles studied.

Prerequisite(s): ENGR 235.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (3-3)

Term(s) Offered: Fall, Spring

ENGR 362 - Manufacturing

Credits: 3

An introduction to the design and implementation of contemporary manufacturing systems. Single and multiple station, manual, mixed mode, automated, and flexible manufacturing systems are covered. Numerical analysis of these systems to determine production rates, product cost, defect rates, and efficiency will be performed. In the laboratory students will learn to program and operate various types of production hardware including robots and CNC machines.

Prerequisite(s): ENGR 107 and junior standing in engineering.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): Two hours lecture, two hours lab.

ENGR 373 - Optics

Credits: 3

An introductory course in optics covering wave propagation, interaction of electromagnetic radiation with matter, geometrical optics, polarization, interference, and diffraction. Supplementary topics from modern optics such as lasers, detectors, fiber optics, optical communications, imaging, and storage also included.

Prerequisite(s): PHYS 206 and MATH 366, or consent of instructor.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (3-0)

ENGR 375 - Fluid Mechanics

Credits: 3

Fundamentals of fluid mechanics including application of Bernoulli's equation for incompressible flow, hydrostatic forces on gates, dynamics of fluid flow, friction loss and drag, sizing of pipes and pumps, and turbo machinery. The laboratory portion requires students to design experiments to evaluate specific fluid principles and concepts with subsequent completion to reinforce the understanding of the material.

Prerequisite(s): ENGR 235.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (2-3)

Term(s) Offered: Fall, Spring

ENGR 382 - SCADA Systems Design

Credits: 3

This course covers the analysis and design of modern industrial control systems. Continuous control concepts such as loop stability and error minimization are examined through the study of proportional, integral, derivative, and advanced control algorithms and process loop tuning methods. Discrete control concepts are explored through the application of programmable logic controller situations. PC-based data acquisition and instrumentation systems also are developed.

Prerequisite(s): Junior standing in engineering or a related discipline.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (2-3)

Term(s) Offered: Fall

ENGR 390 - Special Design Projects

Credits: 3

An independent study course requiring the student to complete an assigned design project under the guidance of a faculty member. The project will require application of various analytical methods and the use of computer models or laboratory facilities. A written report is required upon completion of the design project.

Prerequisite(s): Junior standing and consent of instructor and department chair.

Term(s) Offered: Fall, Spring

ENGR 417 - Project Management

Credits: 3

This course provides students with a broad overview of the techniques of project management from an engineering perspective. Topics will include a structured approach to project management, project life cycle, project selection and evaluation, organizational concepts in project management, project planning, conflict and negotiation, budgeting and cost estimation, scheduling, resource allocation, monitoring, project control and project termination. The objective is to gain insight into organizational issues and learn quantitative methods that are necessary for successful project management. The course has a strong emphasis on team work and student project presentations. Special purpose software such as Microsoft Project will be utilized.

Prerequisite(s): ENGR 335 and junior standing.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (3-0)

Term(s) Offered: Spring

ENGR 436 - Intermediate Statistics and Quality

Credits: 3

This course will include topics such as multiple regression, regressor significance tests, variable selection methods model adequacy and complications caused by multicollinearity. Additional topics will be Analysis of Variance (ANOVA), statistical quality control, and nonparametric statistical methods.

Prerequisite(s): ENGR 305.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (3-0)

Cross-Listed: Co-listed as Math 436.

ENGR 471 - Engineering Design and Analysis

Credits: 3

Application of the professional method to the formulation and design solution for real-world, industry-type problems. Student teams will utilize their knowledge of engineering principles as well as social and economic issues to develop, analyze, and evaluate proposed designs using experimental, computer, and numerical techniques.

Prerequisite(s): Senior standing in engineering and consent of instructor.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (3-0)

Term(s) Offered: Fall, Spring

ENGR 482 - Engineering Organization and Management

Credits: 3

An examination of the fundamental concepts of management in engineering organizations with emphasis on the relationships among types of engineering work, type of organizational structures, and managerial responsibilities. Includes study of motivation, time management, oral and written communications, engineering ethics, and lifelong learning.

Prerequisite(s): Junior standing.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (3-0)

ENGR 491 - Senior Design

Credits: 3

A course which provides an opportunity for synthesis of technical, professional, and general knowledge for engineering students. Design problems provided by industrial sponsors are studied by small teams of students to develop solutions using engineering design, while considering realistic constraints such as economic factors, safety, reliability, aesthetics, ethics, and social impact. Formal written and oral reports to faculty, industrial sponsors, and invited guests are required.

USI Core 39: Embedded Experience-Writing.

Prerequisite(s): ECE 255, ENGR 275, ENGR 305, ENGR 335, ENGR 375, ENG 201, senior standing in engineering and consent of department chair.

Term(s) Offered: Fall, Spring

ENGR 499 - Independent Study/Research

Credits: 1-3

Independent study or research into selected Engineering topics conducted under the guidance of faculty mentors.

Prerequisite(s): Consent of instructor and department chair.

Term(s) Offered: Fall, Spring

EXSC 381 - Care and Prevention of Athletic Injuries

Credits: 3

The basic fundamentals used by the athletic trainer. Major emphasis on recognition, initial care, and prevention of athletic injuries.

Prerequisite(s): Suggested BIOL 121 and BIOL 122.

Term(s) Offered: Spring

EXSC 383 - Kinesiology

Credits: 3

The study of mechanics of human body movements primarily as it relates to the interrelationships of bones, joints, and muscles.

Prerequisite(s): BIOL 121 and BIOL 122.

Term(s) Offered: Fall, Spring, Summer

EXSC 390 - Special Topics in Exercise Science

Credits: 1-3

A study of selected topics of current interest and importance in exercise science. These topics may include opportunities for students to complete research, participate in experiential learning experiences, and a wide variety of learning activities in accordance with the interests and importance of kinesiology and sport.

EXSC 391 - Biomechanics

Credits: 3

An analysis of movement tasks and their relationship to each other. To apply the kinematic (velocity and acceleration) and kinetic (force) concepts for the mechanical analysis of human movement.

Prerequisite(s): BIOL 121 and BIOL 122.

Term(s) Offered: Fall, Spring

EXSC 394 - Measurement and Evaluation

Credits: 3

This course describes the development and implementation of physical and cognitive tests in physical education and exercise science. Included in this course are techniques for data analysis and student assessment through the use of current, basic testing, and statistical procedures.

Prerequisite(s): MATH 111 or MATH 112 or MATH 114 and CIS 141 or CIS 151 or KIN 285 and Junior status.

Term(s) Offered: Fall, Spring

EXSC 397 - Physiology of Exercise

Credits: 4

This course is designed to provide students with a comprehensive introduction to the acute and chronic physiological responses and adaptations to physical activity and exercise training, as well as the effects of various factors and conditions on physical performance. Physiological principles are introduced pertaining to appropriate training programs for maximizing physical performance and lifetime physical fitness and wellness.

Prerequisite(s): BIOL 121 and BIOL 122.

Term(s) Offered: Fall, Spring, Summer

EXSC 475 - Strength and Conditioning Techniques

Credits: 3

This course will cover the techniques utilized in the field of strength and conditioning. This will include: resistance training, speed, plyometric, flexibility, and core/balance exercises and drills. Exercise choice and progression for each area will be covered.

Prerequisite(s): EXSC 391

EXSC 476 - Training Science

Credits: 3

This comprehensive course will cover the scientific components essential to employment in a strength and conditioning position. To include the application of exercise science, program design, and organization and administration.

Prerequisite(s): EXSC 397

EXSC 477 - Testing and Evaluation of Athletes

Credits: 3

This course will cover the testing and evaluation of athletes. This will include appropriate protocol selection, administration, interpretation of laboratory and field-based measurements used commonly when testing various athletic populations.

Prerequisite(s): EXSC 394

EXSC 478 - National Strength and Conditioning Certified Strength and Conditioning Specialist Exam Review

Credits: 1

This certification review course will be a review and further application of the concepts required to be certified by the National Strength and Conditioning Association as a Certified Strength and Conditioning Specialist. The exam content is focused on four areas: exercise technique, program design, organization and administration, and testing and evaluation.

Prerequisite(s): EXSC 475 , EXSC 476 and EXSC 477

EXSC 484 - Exercise Testing and Prescription

Credits: 3

A study and application of the principles, techniques, and tools used to assess levels of wellness, fitness, prescribe lifestyle modifications, and evaluate individual progress toward goals.

Prerequisite(s): EXSC 397.

Term(s) Offered: Fall, Spring

EXSC 486 - Foundations in Cardiac Rehabilitation

Credits: 3

This course provides the students with fundamental knowledge and skills related to cardiac rehabilitation with concentration on the design, implementation, and administration of the exercise component of cardiac rehabilitation programs.

Prerequisite(s): EXSC 397.

EXSC 487 - Principles and Applications of Fitness Training

Credits: 3

Students will focus on developing information geared toward fitness training methods in designing safe, effective, and goal-specific protocols for building skill-related fitness training programs for the general population and those who are athletes. Proper exercise techniques, instructional approaches, common performance errors, and client interaction will be discussed.

Prerequisite(s): BIOL 121 and BIOL 122.

Term(s) Offered: Spring

EXSC 488 - Program Design for Healthy and Special Populations

Credits: 3

The student will learn to modify exercise for individual and groups based on age, medical conditions, and special needs. The areas covered will include but are not limited to coronary heart disease, diabetes, asthmas, obesity, arthritis, pregnancy, and physically and mentally challenged.

Prerequisite(s): BIOL 121 and BIOL 122.

Term(s) Offered: Spring

EXSC 496 - Practicum in Exercise Science

Credits: 3-6

Provides students with practical experience in strength and conditioning. Students have the opportunity to assist athletic teams within intercollegiate/interscholastic departments and community facilities and/or organizations.

Prerequisite(s): EXSC 475 , EXSC 476 and EXSC 477

Grading: Satisfactory/Unsatisfactory.

Term(s) Offered: Fall, Spring, Summer

FIN 101 - Money Skills

Credits: 1

This course is a one hour reality-based personal finance course based on a 34-module curriculum. Major content areas include income, expenses, assets, liabilities, and risk management.

Term(s) Offered: Fall, Spring

FIN 201 - Fundamentals of Finance

Credits: 3

This course is designed to serve as an introduction to the field of business and personal finance. The course is geared to the specific interests of the associate degree candidates and non-business majors. Emphasis upon the source and use of funds in the area of finance. (Not open to College of Business majors in baccalaureate programs.)

Term(s) Offered: Fall

FIN 208 - Personal Financial Management

Credits: 3

The various business problems which arise in the life of the individual. Includes a study of such topics as money and credit, banking services, insurance, taxes, home ownership, and consumer protective agencies.

This course is part of the Core Transfer Library (CTL).

Indiana Statewide Common Course #: IPO 1811.

Term(s) Offered: Spring

FIN 305 - Business Finance

Credits: 3

The methods utilized by corporations in securing and utilizing capital. Major topics of interest include capital budgeting, cost of capital, capital structure, and characteristics of alternative forms of capital.

Prerequisite(s): ACCT 201, ACCT 202, ECON 265, ECON 208, ECON 209, and MATH 215.

Term(s) Offered: Fall, Spring, Summer

FIN 335 - Entrepreneurial Finance

Credits: 3

A course designed to provide critical financial knowledge and skills to those students who are interested in starting and running their own businesses. The course deals with such topics as fund-raising, cash management, budgeting, risk management, initial public offerings, and factoring.

Prerequisite(s): FIN 305.

FIN 341 - Risk and Insurance

Credits: 3

An introduction to the basic principles of, and the relationship between, risk and insurance. Emphasis is placed on the fundamentals of insurance as the major formal method for treating non-speculative risks.

Prerequisite(s): FIN 305.

FIN 343 - International Finance

Credits: 3

The study of foreign exchange markets, exchange rate determination, balance of payments, international flow and management of financial assets and various risk exposures, and the operation and effectiveness of economic policy in an open economy.

Prerequisite(s): FIN 305, or consent of instructor.

Term(s) Offered: Fall, Spring

FIN 345 - Real Estate Principles

Credits: 3

Principles of real estate. Emphasis is on location factors, market analysis, and basic problems in buying and selling real estate.

Prerequisite(s): FIN 305.

Term(s) Offered: Fall, Spring

FIN 361 - Financial Institutions

Credits: 3

The institutional structure of the financial systems. Surveys both the public and private sectors of our money and credit economy. Emphasis is placed on understanding the impact of the commercial banking system, financial intermediaries, and public finance needs upon the conduct of business finance.

Prerequisite(s): FIN 305.

Term(s) Offered: Fall, Spring

FIN 433 - Principles of Investments

Credits: 3

The essential qualities of good investments, the exchanges, and methods of trading stocks and bonds.

Prerequisite(s): FIN 305.

Term(s) Offered: Fall, Spring

FIN 461 - Financial Management

Credits: 3

A comprehensive course that gives consideration to developing sound financial policies in the firm. The course will use cases to develop concepts in such areas as capital budgeting and capital structure. Class discussion and lectures are designed to introduce decision-making techniques relevant to financial management problem-solving.

Prerequisite(s): FIN 305.

Term(s) Offered: Fall, Spring

FIN 481 - Seminar in Finance

Credits: 3

Investigation of significant topics in practice and theory in the areas of corporate financial management, money markets, investments, commercial banking, and financial institutions.

Prerequisite(s): FIN 305.

FREN 101 - Beginning French I

Credits: 3

Fundamentals of French; no previous French required. Emphasis on the four language skills of listening, speaking, reading, and writing in the cultural context of the French-speaking countries. In addition to regular class meetings, students are required to

complete one hour per week in the language lab.

USI Core 39: World Languages-BA; World Language and Culture-BS; Embedded Experience Diversity.

This course is part of the Core Transfer Library (CTL).

Indiana Statewide Common Course #: IWL 1901.

Term(s) Offered: Fall

FREN 102 - Beginning French II

Credits: 3

Fundamentals of French; continuation of FREN 101. Emphasis on the four language skills of listening, speaking, reading, and writing in the cultural context of the French-speaking countries. In addition to the regular class meeting, students are required to complete one hour per week in the language lab.

USI Core 39: World Languages-BA; World Language and Culture-BS; Embedded Experience Diversity.

Prerequisite(s): FREN 101 or consent of instructor.

This course is part of the Core Transfer Library (CTL).

Indiana Statewide Common Course #: IWL 1902.

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

Term(s) Offered: Spring

FREN 203 - Intermediate French I

Credits: 3

Continuation of FREN 102. Emphasis on the four language skills of listening, speaking, reading, and writing in the cultural context of the French-speaking countries. In addition to the regular class meetings, students are required to complete one hour per week in the language lab.

USI Core 39: World Languages-BA; World Language and Culture-BS; Embedded Experience Diversity.

Prerequisite(s): FREN 102 or consent of instructor.

This course is part of the Core Transfer Library (CTL).

Indiana Statewide Common Course #: IWL 1903.

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

Term(s) Offered: Fall

FREN 204 - Intermediate French II

Credits: 3

Continuation of FREN 203. Emphasis on the four language skills of listening, speaking, reading, and writing in the cultural context of the French-speaking countries. In addition to the regular class meetings, students are required to complete one hour per week in the language lab.

USI Core 39: Ways of Knowing-World Languages and Culture; World Languages-BA; World Language and Culture-BS; Embedded Experience-Diversity.

Prerequisite(s): FREN 203 or consent of instructor.

This course is part of the Core Transfer Library (CTL).

Indiana Statewide Common Course #: IWL 1904.

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

Term(s) Offered: Spring

FREN 205 - Cultural Contexts for Conversation

Credits: 3

Intensive oral practice of French on the intermediate level. Topics include French popular culture, current events, work, and travel.

Prerequisite(s): FREN 203 or consent of instructor.

Concurrent (may be taken at same time): May be taken concurrently with FREN 204 or FREN 306.

FREN 275 - The French Film

Credits: 3

Weekly showings and discussions of French films. Analysis of thematic and artistic diversity from the early 20th century to present. (Course taught in English)

USI Core 39: Ways of Knowing-Creative and Aesthetic Expression; Embedded Experience-Global.

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

FREN 306 - Advanced French I

Credits: 3

Continuation of FREN 204. Emphasis on the four language skills of listening, speaking, reading and writing, in the cultural context of the French-speaking countries. In addition to the regular class meetings, students are required to complete one hour per week in the language lab.

USI Core 39: Ways of Knowing-World Languages and Culture; Embedded Experience-Diversity.

Prerequisite(s): FREN 204 or consent of instructor.

Term(s) Offered: Fall

FREN 307 - Advanced French II

Credits: 3

Continuation of FREN 306. Emphasis on the four language skills of listening, speaking, reading and writing, in the cultural context of the French-speaking countries. In addition to the regular class meetings, students are required to complete one hour per week in the language lab.

Prerequisite(s): FREN 306 or consent of instructor.

Term(s) Offered: Spring

FREN 308 - Francophone Cultures

Credits: 3

Study of Francophone cultures, emphasizing developments in language, literature, philosophy, the arts, politics, traditions, and institutions from the beginnings to the present. (Course taught in English)

USI Core 39: Ways of Knowing-World Languages and Culture; Embedded Experience-Global.

FREN 325 - Introduction to Francophone Literature

Credits: 3

Critical readings and literary analysis of selected French texts from the middle ages to the present in the major literary genres.

Prerequisite(s): FREN 306 or consent of instructor.

FREN 344 - Francophone Literature in Translation

Credits: 3

Study and analysis of selected Francophone literary masterworks in English translation.

FREN 365 - Introduction to Applied Linguistics

Credits: 3

Focuses on the development of language in human beings, first and second language acquisition in formal and informal settings, including computer-assisted language learning. (Course taught in English)

Prerequisite(s): Sophomore standing

FREN 415 - French Civilization

Credits: 3

Advanced study of French civilization, emphasizing development in language, literature, philosophy, the arts, politics, and institutions from the early stages to the present.

Prerequisite(s): FREN 306 or consent of instructor.

FREN 416 - 17th and 18th Centuries French Literature

Credits: 3

An examination of the major literary movements from French Classicism to the Enlightenment through the critical reading of representative texts.

Prerequisite(s): FREN 306 or consent of instructor.

FREN 417 - 19th and 20th Centuries French Literature

Credits: 3

An analysis of representative texts from Romanticism, Realism, Naturalism, Existentialism, and the Absurd.

Prerequisite(s): FREN 306 or consent of instructor.

FREN 460 - Internship in French

Credits: 1-6

An opportunity for job-related experience in the area of language studies.

Prerequisite(s): Consent of department chairperson.

Repeatability: This course may be taken for a maximum of six credit hours.

FREN 490 - Special Topics in French

Credits: 3

Specialized topics in the field of French language study, teacher preparation, culture and literature.

Prerequisite(s): Consent of instructor.

Repeatability: Students may repeat the course without limits as the topic changes.

FREN 499 - Individual Study in French

Credits: 1-3

Research or advanced study in a specific area of French literature, culture, education, or language, culminating in an analytical paper or comprehensive exam.

Prerequisite(s): Approval of department chairperson.

Repeatability: May be taken up to 6 credit hours.

GENS 094 - ESL Intensive Course

Credits: 1

The ESL program is an intensive English program with 25 hours of instruction each week in reading, writing, speaking, listening, grammar and vocabulary. ESL techniques include cultural context students need by involving them in academic excursions, conversation partners, friendship families, and recreational activities.

GENS 095 - ESL Writing

Credits: 3

This course is designed for students whose primary language is not English. It is a discussion/practice composition course. Focus is on organization and development of information in paragraphs and short essays with emphasis on correct sentence structure. Students will have weekly written assignments.

GENS 096 - ESL Reading

Credits: 3

This course is designed for students whose native language is not English. It will enable students to improve their reading comprehension of academic materials. Class activities include in-depth discussion of reading selections and frequent written assignments.

GENS 097 - Algebra Review

Credits: 3

This non-credit course begins with a review of fractions, then moves quickly to the language of algebra including order of operations, exponents, positive and negative numbers, linear equations, and graphing. A computer component called MyMathLab is used as a supplement in this course. Credit in this course will not apply to a degree. Scientific calculators are allowed. Students whose math placement scores meet the University's established readiness level for Gens 097 may enroll. Students whose math scores are below the University's established readiness level for this course may enroll only with the permission of the Academic Skills Math Specialist.

GENS 097L - Algebra Review Supplement

Credits: 1

This course is a supplement to GENS 097: topics include concepts from beginning algebra. Concurrent enrollment in the corresponding section of GENS 097 is required. The supplemental course is recommended for those students have not passed GENS 097 on the first attempt.

GENS 098 - Strategies for Writers

Credits: 3

This non-credit course provides students opportunities to write and revise college writing assignments. Students will engage in the writing process by practicing strategies for inventing, focusing, organizing, developing, and revising their work, as well as by learning editing strategies for standard grammar and usage. Emphasis will be placed on the early stages of the writing process (generating ideas and planning) and on considering the audience for and purpose of writing. Credit in this course will not apply to a degree. Students whose high school GPA and SAT or ACT scores meet the University's established readiness level for GENS 098 may enroll in this course.

GENS 099 - Skills for College Reading

Credits: 3

This non-credit course introduces students to specific reading skills for improving literal and critical reading comprehension in preparation for the demands of college-level reading. In addition, an emphasis will be placed on vocabulary development through knowledge and skill of context clues, word awareness strategies, and through various readings. Credit in this course will not apply to a degree. Students whose SAT Critical Reading or ACT Reading scores meet the University's established level of readiness for GENS 099 may enroll in this course. Students should not enroll in a reading-intensive class while taking this course. Students who begin their reading placement in GENS 099 will be required to enroll in the subsequent reading course, GENS 151, in order to be prepared for college- level reading.

GENS 105 - College Study Strategies

Credits: 1

This course helps incoming freshmen, current students in need of better study skills, and adults reentering or contemplating re-entry to formal education assess their current approach to studying. It offers suggestions and practice to improve study methods. The course topics include time management, note taking from lectures and textbooks, exam preparation, listening skills, memory, concentration, test anxiety, and organization. Course is open to all students for elective credit.

GENS 111 - Career Planning

Credits: 1

Confusion about career planning occurs among undergraduates as well as among individuals who have entered the working world. This course benefits any student who is undecided about a career choice. The course is designed to increase self-awareness, familiarize participants with informational resources available to help in career planning, and provide individualized assistance with career decision-making. Course is open to all students for elective credit.

GENS 151 - Academic Reading Strategies

Credits: 3

In order to be successful in college, students must be able to read, comprehend, synthesize, and process large amounts of information. This course emphasizes the before, during, and after active reading strategies necessary for learning information across the academic disciplines. In addition, students will be encouraged to become self-regulated learners and will demonstrate their understanding of the strategies through practice and application on college-level textbook reading. Students should enroll in a reading intensive course (i.e. history, sociology, political science) as a companion for applying the reading strategies. This three-credit hour course counts as elective credit toward graduation.

Prerequisite(s): Successful completion of GENS 099 or appropriate placement based on SAT Critical Reading or ACT Reading scores.

GENS 199 - Select Topics in Study Strategies

Credits: 1

This course focuses on an intensive study of specialized topics in study strategies such as advancing vocabulary, speed reading, test taking, and strengths finder. Course is open to all students and repeatable with change in course content.

GENS 399 - Field Experience

Credits: 1-3

Students who participate in a University sponsored internship or cooperative education rotation are required to register for one hour of academic credit for each semester of participation. This repeatable course is an alternative for students who elect not to enroll in their departmental internship course. The credit will apply to elective hours outside the academic major. Consent of the instructor is required.

Grading: Grades assigned as Pass/No Pass only.

GEOG 112 - Earth System Science

Credits: 3

The study of the whole Earth as a system of many interacting parts including the solar system; the Earth's internal systems and landforms; ocean, atmospheric, and climatic systems; and global ecosystems. Applies scientific method to the study of changes

within and between these systems.

USI Core 39: Ways of Knowing-Scientific and Mathematical Inquiry; Natural Science (BS).

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (3-0)

This course is part of the Core Transfer Library (CTL).

Indiana Statewide Common Course #: *IPS 1730*.

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

Term(s) Offered: Spring

GEOG 123 - Physical Geography and Landscape Analysis of the United States

Credits: 3

An introduction to the mountains, plateaus, plains, and volcanic fields across the United States, the components that form landscape, the processes that control landscape development, the reasoning and methods used to interpret landscape evolution, the impact of climate change, landscape change, and sea level change on human beings, and the landscape history of certain areas of the United States such as the Rocky Mountains and Appalachian Mountains.

USI Core 39: Ways of Knowing-Scientific and Mathematical Inquiry; Natural Science (BS).

GEOG 214 - Meteorology

Credits: 3

Lecture and laboratory studies designed to give an understanding of the physical processes responsible for daily weather.

Prerequisite(s): three hours of geoscience or consent of instructor.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (2-1)

Term(s) Offered: Fall

GEOG 215 - Climatology

Credits: 3

Course covers classification and distribution of the world's climates; factors that control climate; changing climates, and predictions for the future.

Prerequisite(s): GEOG 112 or GEOG 214.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (3-0)

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

Term(s) Offered: Spring

GEOG 330 - World Geography

Credits: 3

An interpretation of human activities in selected world regions. Designed to assist students in acquiring certain basic ideas and supporting facts about contemporary world geography. The course surveys the importance, geographical characteristics, and basic problems of the major regions of the world.

USI Core 39: Ways of Knowing-World Languages and Culture; World Language and Culture-BS; Embedded Experience-Global.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (3-0)

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

Term(s) Offered: Fall, Spring

GEOL 101 - Prehistoric Life

Credits: 3

Scientific study of the history of life on earth with emphasis on higher vertebrate groups such as reptiles and mammals. Discussion of current theories of dinosaur habits and mass extinction.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (3-0)

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

Term(s) Offered: Fall

GEOL 108 - Earth-Space Science for Educators

Credits: 2

This course is an introductory survey of Earth-Space science, from geologic materials and processes, through oceanography and meteorology, to planetary science. Lecture is interspersed with hands-on activities intended to reinforce concepts and to provide the students with ideas for teaching their own classes. This course is for teacher candidates only.

USI Core 39: Ways of Knowing-Scientific and Mathematical Inquiry; Natural Science with Lab (BA and BS).

Prerequisite(s): Grade of C or better in CHEM 108 or CHEM 175 or CHEM 261.

GEOL 115 - Landscapes and Geology of North America

Credits: 3

A study of the geography and geology of North American landscapes with special reference to the United States. Factors in landscape development, including climate, vegetation, erosion, glaciation, tectonics, and human influences, are explored in the context of specific regions such as the Rocky Mountains, Appalachian Mountains, and Colorado Plateau.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (3-0)

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

Term(s) Offered: Fall

GEOL 121 - The Geology of Gemstones

Credits: 3

An introduction to major gemstones, their geological origin, the science of their physical properties and identification, and their role in and impact on human civilization. This course is a survey of several major concepts in physical and environmental geology through the lens of gemstones.

USI Core 39: Natural Science (BS).

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (3-0)

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

Term(s) Offered: Fall

GEOL 131 - Geology, the Environment, and Society

Credits: 3

An examination of the controls on human activity by geology, and the impact of humans on natural geologic processes. This course is a survey of fundamental geologic processes and associated hazards (earthquakes, tsunamis, eruptions, flooding, landslides) and topics such as pollution and land use planning. The course provides an opportunity to discuss, from a geologic perspective, the ramifications of and potential solutions to problems associated with Earth's resources (energy, minerals, water).

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (3-0)

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

Term(s) Offered: Spring

GEOL 132 - Volcanoes and Eruptions

Credits: 3

An introduction to volcanoes, their occurrence, different styles of eruption, and the processes that control volcanic activity, emphasizing the impacts of volcanism, both beneficial and destructive, to human beings and the global environment.

USI Core 39: Natural Science (BS).

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (3-0)

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

Term(s) Offered: Fall

GEOL 151 - Geology of America's National Parks

Credits: 4

This course examines principles of physical geology through the medium of America's national parks. Parks that were designated because of their unique geologic setting will be studied to understand the full range of geologic materials and internal Earth processes.

USI Core 39: Natural Science with Lab (BA and BS).

Prerequisite(s): MATH 100 or placement in MATH 111.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (3-2.5)

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

Term(s) Offered: Fall

GEOL 161 - Introduction to Geology

Credits: 4

This course will focus on minerals and rocks, volcanoes, Earth's internal structure, plate tectonics, and surface processes. Aspects of geology that impact society will also be addressed, such as flooding and earthquakes. The laboratory provides hands-on activities that supplement material presented in lecture.

USI Core 39: Natural Science with Lab (BA and BS).

Prerequisite(s): C or better in MATH 100, or placement in MATH 111.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (3-2.5)

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

Term(s) Offered: Fall, Spring

GEOL 162 - Historical Geology

Credits: 4

Lecture and laboratory studies of the evolution of the earth and its life forms. Techniques used to interpret Earth and life history. The concept of geologic time.

Prerequisite(s): C or better in GEOL 151 or GEOL 161.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (3-2.5)

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

Term(s) Offered: Spring

GEOL 217 - Earth Resources Management

Credits: 3

A survey of distribution of natural resources, with special emphasis on solutions to problems of resource scarcity. Topics include: mineral resources, soils and agriculture, surface and ground water resources, renewable and non-renewable energy and political issues and other selected components of the geosphere, atmosphere and hydrosphere. Economics, demographic, and political issues are considered as they affect resources.

Prerequisite(s): GEOL 151 and GEOL 161.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (3-0)

GEOL 234 - The Oceans: Past, Present, and Future

Credits: 3

Origin and history of the oceans, including evolution of ocean basins and sea water; causes and effects of oceanic circulation; interaction of oceans and climate; the oceans as a habitat for life; and challenges of protecting oceanic environments. Problems in exploiting the oceans for mineral wealth and food. Effects of global warming and rising sea level.

Prerequisite(s): GEOG 112 or GEOL 161, or GEOL 151 and working knowledge of basic chemistry and biology.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (3-0)

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

Term(s) Offered: Fall

GEOL 261 - Intermediate Geology

Credits: 3

Application of fundamental physical geology skills for majors. In this course we will focus on the observation, interpretation, and analyses of Earth materials, topographic maps, aerial photographs, geological maps, and other spatial geological data. These skills will be applied to different geological landscapes. The course has a strong field component and emphasis on written and oral communication skills in the geosciences.

Prerequisite(s): C or better in GEOL 151 or GEOL 161.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (2-3)

Term(s) Offered: Fall

GEOL 301 - Mineralogy

Credits: 4

Systematic lecture and laboratory study of minerals, including their chemical composition, atomic structure, physical properties, and conditions of formation. Laboratory emphasizes crystallography, optical properties, and hand specimen identification of common rock-forming and economic minerals.

Prerequisite(s): C or better in GEOL 151 or GEOL 161 and C or better in CHEM 175 or CHEM 261.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (3-3)

Term(s) Offered: Fall

GEOL 302 - Igneous and Metamorphic Petrology

Credits: 4

Classification, composition, texture, and origin of igneous and metamorphic rocks. Hand specimen and thin section studies.

Prerequisite(s): GEOL 301 and C or better in CHEM 261.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (3-3)

Term(s) Offered: Spring

GEOL 311 - Concepts in Environmental Science

Credits: 3

Interdisciplinary science course provides students with a synthetic view of the Earth's atmosphere, geosphere, hydrosphere, and biosphere systems. Topics include interactions of the atmosphere-ocean system, the hydrologic cycle, climate, change, applications of basic environmental principles to human induced problems, and wetland ecology. Intended for environmental science students, but also open to other students interested in the application of foundational environmental science concepts.

Prerequisite(s): GEOL 151 or GEOL 161.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (3-3).

GEOL 315 - Paleontology

Credits: 4

Study of geologically important fossil groups, including macroscopic invertebrates, micro fossils, and trace fossils, emphasizing classification paleoecology and biostratigraphy. Laboratory stresses identification of fossils in hand specimen and under the microscope.

Prerequisite(s): C or better in GEOL 162.and C or better in MATH 111 or placement into MATH 115 , MATH 118 , or MATH 230.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (3-3)

Term(s) Offered: Fall

GEOL 316 - Sedimentology and Stratigraphy

Credits: 4

Lecture and laboratory study of composition, texture, description lithologic classification, correlation, and paleoenvironmental interpretation of sediments and sedimentary rocks. Use of subsurface data including cores and geophysical well logs. Laboratory includes thin sections and field studies.

Prerequisite(s): C or better in GEOL 162 and GEOL 261; C or better in MATH 111 or placement into MATH 115, MATH 118, or MATH 230.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (3-3)

Term(s) Offered: Spring

GEOL 341 - Hydrology

Credits: 4

Study of the hydrologic cycle with emphasis on the ecosystem implications of hydrological processes, the effects of natural and human activities on the hydrology and water resources of an area, and related problems and solutions.

Prerequisite(s): GEOL 151 or GEOL 161.

GEOL 345 - Structural Geology

Credits: 4

Descriptive, kinematic, and dynamic analysis of geologic structures including geologic map interpretation, cross-section construction, structural analysis, stress-strain relationships, graphical methods, and the use of the Brunton compass.

Prerequisite(s): GEOL 162, GEOL 261, MATH 115 or higher.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (3-3)

Term(s) Offered: Spring

GEOL 351 - Field Geology

Credits: 4

Practice of important field techniques in field analysis of geologic materials and structures, and construction of geologic maps. Emphasis is on problem recognition, data gathering, and interpretive analysis.

Prerequisite(s): GEOL 162.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (3-1)

Term(s) Offered: Fall

GEOL 390 - Geological Field Excursion

Credits: 1-3

Integrated application of geological knowledge to specific field examples. Approximately five weeks of literature investigation of a geological terrain will be followed by a field trip to the selected area. Excursions will vary in length from one weekend to two weeks. The course is intended for geology majors, and students will need to cover expenses.

Prerequisite(s): C or better in GEOL 162 and consent of instructor.

Repeatability: A maximum of four credit hours of GEOL 390 may be counted toward completion of the geology major.

Term(s) Offered: Fall, Spring, Summer

GEOL 402 - Volcanology

Credits: 4

This course reviews the present state of knowledge about volcanic activity and hazards, with an emphasis on the methods used to

study volcanoes and the significance and interpretation of volcanic rocks and deposits.

Prerequisite(s): GEOL 302.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (3-3)

Term(s) Offered: Fall

GEOL 407 - Geomorphology

Credits: 4

Discussion of surface processes and landforms created by those processes. Emphasis on the evolution of landforms and the interpretation of their origins. Major topics include tectonism, volcanism, weathering and pedological applications, fluvial, eolian, coastal, karst, and glacial processes. Course includes semester long research project applying geomorphological concepts to topics in geomorphology.

Prerequisite(s): GEOL 162, GEOL 261 and GEOL 302, or permission of instructor. Recommended: GEOL 316.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (3-3)

Term(s) Offered: Fall

GEOL 411 - Geology of Soils

Credits: 4

Lecture and laboratory studies of the influence that weathering, erosion, landform, topography, climate, flora and fauna, parent material, ground water, and time has on soil development. Soil classification, profiles, composition, chemistry, fertility, and engineering properties and uses.

Prerequisite(s): GEOG 112 or GEOL 131 or GEOL 161.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (3-3)

Term(s) Offered: On demand.

GEOL 414 - Petroleum Geology

Credits: 4

Lecture and laboratory exercises on the origin, composition, and occurrence of petroleum in the Earth's crust. Business models and economic analysis in the petroleum industry. Case history studies. Laboratory exercises stress procedures and skills used by working petroleum geologists.

Prerequisite(s): GEOL 261 and GEOL 316.

GEOL 441 - Hydrogeology

Credits: 4

Behavior and properties of water in the geologic environment. Emphasis on subsurface water, including studies of flow patterns, chemistry, behavior in various geologic materials, and pollution problems.

Prerequisite(s): GEOL 161 or GEOL 151 and CHEM 261 and MATH 230, or consent of instructor.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (3-3)

Term(s) Offered: Fall

GEOL 445 - Plate Tectonics and Crustal Evolutions

Credits: 4

The nature of continents and oceans, their current tectonic movements, and the record they provide of past tectonic movements. Includes methods to determine relative and absolute plate motion, historical account of plate tectonic theory, and application of plate tectonics to the origin and development of mountain belts.

Prerequisite(s): GEOL 345.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (3-3)

Term(s) Offered: On demand.

GEOL 455 - Global Quaternary Environmental and Geologic Change

Credits: 3

This class seeks to describe and understand the changes in global and regional geologic systems and climate that occurred during the Quaternary by investigating the types of data available, the methods of data acquisition, dating techniques and methods, and the interpretations drawn from the acquired data.

Prerequisite(s): GEOL 316, GEOL 407. Recommended: GEOL 315, GEOG 214 or GEOG 215.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (3-0)

Term(s) Offered: Spring

GEOL 460 - Internship

Credits: 1-4

Supervised learning and work experience in geology which enhances the student's understanding of and appreciation for the application of geological knowledge and skills. A report of activities will be required at the end of the semester. Students may earn from 1 to 4 credits.

Prerequisite(s): Junior or senior standing in geology and consent of instructor.

Repeatability: Students may apply a maximum of 4 hours from GEOL 460, GEOL 470, and GEOL 480 toward the degree.

GEOL 465 - Introduction to GIS

Credits: 3

Survey of computer-based techniques in the storage, retrieval, analysis, and representation of spatially distributed data. Emphasis is on application of GIS technology to problems such as geologic hazard mapping, surface runoff and erosion, contaminant transport, population density, and environmental impact assessment.

Prerequisite(s): GEOL 161 or GEOG 112, or GEOL 151 or MATH 230.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (2-3)

Term(s) Offered: On demand.

GEOL 470 - Independent Study

Credits: 1-4

This elective course may be customized for the special interest of the student. Students may complete this independent study by participating in faculty-approved supervised service delivery or outreach activity related to geology, or a literature-based paper that focuses on a topic within geology. A report of activities or a research paper will be required at the end of the semester. Students may earn from 1 to 4 credits.

Prerequisite(s): Consent of instructor

Repeatability: Students may apply a maximum of 4 hours from GEOL 460, GEOL 470, and GEOL 480 toward the degree.

GEOL 475 - Remote Sensing and Image Analysis

Credits: 3

Elements of airborne and space borne remote sensing systems, including aerial photography, radar, thermal, and multi Spectral. Emphasis on use of remotely sensed images for geological mapping, environmental monitoring, resource assessment, and land use.

Prerequisite(s): GEOG 112 or GEOL 161, or GEOL 151 and PHYS 176 or PHYS 206.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (2-3)

Term(s) Offered: On demand.

GEOL 480 - Undergraduate Teaching in Geology

Credits: 1-2

This course is designed to give practical experience to geology and earth-space science teaching majors in the classroom. Duties involve preparation and set-up prior to class and answering student questions. Design and administration of laboratory exercises, as well as grading where appropriate, will be components of this course. A report of teaching activities will be required at the end of the semester.

Prerequisite(s): Junior or senior standing in geology and consent of instructor.

Repeatability: Students may apply a maximum of 4 hours from GEOL 460, GEOL 470, and GEOL 480 toward the degree.

GEOL 481 - Advanced Environmental Geology

Credits: 4

Selected topics dealing with environmental geology, Earth resources, and land use. The course is conducted as group discussions centered on current and classical literature followed by field experiences. Extensive individual investigation is required.

Prerequisite(s): C or better in GEOL 162; GEOL 441 is recommended.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (3-3)

Term(s) Offered: Spring

GEOL 490 - Special Topics in Geology

Credits: 1-3

Selected topics of current interest in the geologic community.

Prerequisite(s): consent of instructor.

Term(s) Offered: Fall, Spring, Summer

GEOL 499 - Independent Research

Credits: 1-4

Individual research problems in an area of common interest to student and instructor. May involve field and laboratory activities, as well as literature surveys. Final report required.

Prerequisite(s): consent of instructor.

Term(s) Offered: Fall, Spring, Summer

GERM 101 - Beginning German I

Credits: 3

Fundamentals of German; no previous German required. Emphasis on the four language skills of listening, speaking, reading, and writing in the cultural context of the German-speaking countries. In addition to regular class meetings, students are required to complete one hour per week in the language lab.

USI Core 39: World Languages-BA; World Language and Culture-BS; Embedded Experience Diversity.

This course is part of the Core Transfer Library (CTL).

Indiana Statewide Common Course #: *IWL 1920*.

Term(s) Offered: Fall

GERM 102 - Beginning German II

Credits: 3

Fundamentals of German; continuation of GERM 101. Emphasis on the four language skills of listening, speaking, reading, and writing in the cultural context of the German-speaking countries. In addition to regular class meetings, students are required to complete one hour per week in the language lab.

USI Core 39: World Languages-BA; World Language and Culture-BS; Embedded Experience Diversity.

Prerequisite(s): GERM 101 or consent of instructor.

This course is part of the Core Transfer Library (CTL).

Indiana Statewide Common Course #: *IWL 1921*.

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

Term(s) Offered: Spring

GERM 203 - Intermediate German I

Credits: 3

Continuation of GERM 102. Emphasis on the four language skills of listening, speaking, reading, and writing in the cultural context of the German-speaking countries. In addition to regular class meetings, students are required to complete one hour per week in the language lab.

USI Core 39: World Languages-BA; World Language and Culture-BS; Embedded Experience Diversity.

Prerequisite(s): GERM 102 or consent of instructor.

This course is part of the Core Transfer Library (CTL).

Indiana Statewide Common Course #: *IWL 1922*.

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

Term(s) Offered: Fall

GERM 204 - Intermediate German II

Credits: 3

Continuation of GERM 203. Emphasis on the four language skills of listening, speaking, reading, and writing in the cultural context of the German-speaking countries. In addition to regular class meetings, students are required to complete one hour per week in the language lab.

USI Core 39: Ways of Knowing-World Languages and Culture; World Languages-BA; World Language and Culture-BS; Embedded Experience-Diversity.

Prerequisite(s): GERM 203 or consent of instructor.

This course is part of the Core Transfer Library (CTL).

Indiana Statewide Common Course #: IWL 1923.

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

Term(s) Offered: Spring

GERM 205 - Cultural Contexts for Conversation

Credits: 3

Intensive oral practice of German on the intermediate level. May be taken concurrently with GERM 204 or GERM 306. Topics include German popular culture, current events, work, and travel.

Prerequisite(s): GERM 203 or consent of instructor.

GERM 275 - The German Film

Credits: 3

Weekly showings and discussions of German films. Analysis of the thematic and artistic diversity from its beginnings in the early 20th century to the present. (Course taught in English)

USI Core 39: Ways of Knowing-Creative and Aesthetic Expression; Embedded Experience-Global.

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

GERM 306 - Advanced German I

Credits: 3

Continuation of GERM 204. Emphasis on the four language skills of listening, speaking, reading, and writing in the cultural context of German-speaking countries. In addition to regular class meetings, students are required to complete one hour per week in the language lab.

USI Core 39: Ways of Knowing-World Languages and Culture; Embedded Experience-Diversity.

Prerequisite(s): GERM 204 or consent of instructor.

Term(s) Offered: Fall

GERM 307 - Advanced German II

Credits: 3

Continuation of GERM 306. Emphasis on the four language skills of listening, speaking, reading, and writing in the cultural context of German-speaking countries. In addition to regular class meetings, students are required to complete one hour per week in the language lab.

Prerequisite(s): GERM 306 or consent of instructor.

Term(s) Offered: Spring

GERM 308 - Germanic Cultures

Credits: 3

Study of Germanic cultures, emphasizing developments in language, literature, philosophy, the arts, politics, traditions, and institutions from the beginnings to present. (Course taught in English)

USI Core 39: Ways of Knowing-World Languages and Culture; Embedded Experience-Global.

GERM 325 - Introduction to German Literature

Credits: 3

Critical readings and literary analysis of selected German texts from the Middle Ages to present in the major literary genres.

Prerequisite(s): GERM 306 or consent of instructor.

GERM 334 - Introduction to Modern German Drama

Credits: 3

German drama from mid-19th century to the present time, emphasizing major literary movements and recent experiments in the theatre. Application of the acquired skills are demonstrated by the student in a dramatic presentation as well as through short papers and the final exam.

Prerequisite(s): GERM 306 or consent of the instructor.

GERM 335 - German for the Professional

Credits: 3

Study of the working knowledge of the target language, cultural behaviors, and values useful in various professional fields. Course may include a service learning component.

Prerequisite(s): GERM 306 or consent of instructor.

GERM 344 - Germanic Literature in Translation

Credits: 3

Study and analysis of selected Germanic literary masterworks in English translations. (Course taught in English)

GERM 365 - Introduction to Applied Linguistics

Credits: 3

Focuses on the development of language in human beings, first and second language acquisition in formal or informal settings, including computer-assisted language learning. (Course taught in English)

Prerequisite(s): Sophomore standing

GERM 412 - Berlin: Tale of a City

Credits: 3

Study of the city of Berlin from the Weimar Republic to Nazi Germany, the Cold War and the fall of the Berlin Wall.

Prerequisite(s): GERM 306 or consent of instructor.

GERM 460 - Internship in German

Credits: 1-6

An opportunity for job-related experience in the area of language studies.

Prerequisite(s): Consent of department chairperson.

Repeatability: The course may be taken for the maximum of six credit hours.

GERM 490 - Special Topics in German

Credits: 3

Specialized topics in the field of German language study, teacher preparation, culture, and literature.

Prerequisite(s): Consent of the instructor.

Repeatability: Student may repeat the course without limit as the topic changes.

GERM 499 - Individual Study in German

Credits: 1-3

Research or advanced study in a specific area of German literature, culture, education, or language, culminating in an analytical paper or comprehensive exam.

Prerequisite(s): Approval of department chairperson.

Repeatability: May be taken up to six credit hours.

GERO 215 - Health Care Aspects of Gerontology

Credits: 3

This course focuses on aging and health. Major health problems are identified and treatment strategies are studied. The dimensions of aging are explored. Healthcare issues pertinent to the older adult are discussed.

GERO 312 - Living Well Throughout the Lifespan

Credits: 3

This course emphasizes the relationship between aging and a healthy lifestyle. Students will apply behavior modification theory to concepts of living well throughout the lifespan with an emphasis on aging well into elderhood. The student will learn about the role of nutrition, exercise, disease prevention, and social connectedness throughout the lifespan.

Prerequisite(s): GERO 215.

GERO 316 - Age Related Health Changes

Credits: 3

This course focuses on aging and health. Major health problems are identified and treatment strategies are studied.

Prerequisite(s): GERO 215.

GERO 317 - Health Care Continuum and Community Services

Credits: 3

This course examines the conceptual framework for creating an ideal integrated continuum of care, as well as information about the components for the continuum as they exist today. Students will examine the various residential options for seniors and will analyze issues of cost, access, and quality for each.

USI Core 39: Embedded Experience-Writing.

Prerequisite(s): GERO 215 and ENG 201.

GERO 318 - Healthy Aging

Credits: 3

This course emphasizes the relationship between aging and healthy lifestyle. Theories of aging and development will be reviewed. The student will learn about the role of nutrition and exercise in the older population. This knowledge will be applied by assessing an older adult's nutritional status and exercise behavior for the purpose of developing an individualized strategy for change.

Prerequisite(s): Recommended NUTR 376.

GERO 319 - Assessment and Management of Alzheimer's Disease

Credits: 3

This course focuses on assessment and management of Alzheimer's disease from diagnosis until death. Assessment and strategies identify stage of progression and are the basis for planning effective management. Management is by stage, using retrogenesis theory, and includes interventions related to environment, behavior, interaction, and medication. The course is appropriate for both formal and informal care givers.

Prerequisite(s): GERO 215 and BIOL 121 or consent of instructor.

GERO 321 - Sociological Aspects of Aging

Credits: 3

This course will examine aging in relation to social roles, processes and structures. Topics include social theories of aging, caregiving, demography, life course, retirement, death and dying, and health care systems and policy.

Prerequisite(s): GERO 215.

GERO 423 - Clinical Problems of Older Adults

Credits: 3

This course focuses on major clinical problems of older adults in society. Emphasis is on prevention, early recognition, and management of problems. Environmental, behavioral, physical, and educational approaches are included.

Prerequisite(s): GERO 215 and either GERO 316 or GERO 319.

GERO 425 - Health Facilities Administration

Credits: 3

This course focuses on the purpose, organization, and management of long-term care facilities and related organizations. The importance of long-term care facilities in the continuum of care for the elderly or developmentally disabled is examined. The typical structure, by functional area, of such a facility is presented, and federal and state regulations by area are reviewed. Contemporary issues and current legislation/regulations impacting the long-term care industry are analyzed. This course assists the student to prepare for successful completion of the federal and state examination leading to licensure as a health facilities administrator.

Prerequisite(s): HP 211 and GERO 215.

GNDR 111 - Intro to Gender Studies

Credits: 3

This course is designed as an introduction to the field of gender studies and with the many ways gender is understood and examined. Lectures, offered in a team-teaching format, will be drawn from the humanities and social sciences as well as other disciplines within and beyond Liberal Arts.

USI Core 39: Ways of Knowing-Social Inquiry; Embedded Experience-Diversity.

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

Term(s) Offered: Fall, Spring

GNDR 222 - The Body in Art and Culture

Credits: 3

This course provides students with an interdisciplinary way of looking at power, privilege, and identity, among other ideas, through various cultural, gendered, and racialized constructions of the physical body. This course will use a variety of readings and films about international body art practices to enhance the student's cultural understanding of the role the body plays in art and culture.

Prerequisite(s): ENG 201.

GNDR 333 - Perspectives on Gender

Credits: 3

Drawing from a variety of disciplines, this course is a survey of contemporary and historical theoretical perspectives on gender. Students will explore how ideas about men and women matter in terms of behavior, relationships, policies, and culture.

Prerequisite(s): GNDR 111 and junior standing, or consent of instructor.

Term(s) Offered: Spring

GNDR 449 - Special Topics: Gender Studies

Credits: 3

A means of the study of selected topics of current interest and importance in gender studies. These topics will vary in accordance with the interest of the students and the faculty.

Prerequisite(s): junior standing and GNDR 111 or consent of instructor.

Repeatability: Students may repeat the course with change in topic.

HA 405 - Health Informatics

Credits: 3

This course provides the foundation for the study of health informatics and covers topics such as health information management, clinical information systems (inpatient, outpatient, nursing, laboratory, pharmacy, radiology, etc.), decision support systems, clinical research and health-assessment systems, technology assessment, and healthcare accounting. The focus of the class content is on U. S. healthcare and the role of informatics within the U. S. system.

Prerequisite(s): HP 211.

HA 407 - Issues in Health Care Leadership

Credits: 3

This course will introduce students to the history of basic leadership theory and the leadership methods that have been found to be most effective in motivating, developing and retaining members of the highly diverse U.S. health care workforce. In addition, current and future challenges facing the health care system will be identified and evaluated to identify ways to most effectively manage and predict the needs of health care workers during this dynamic time for the industry.

Prerequisite(s): HP 211.

HA 411 - Healthcare Leadership

Credits: 3

This course includes an overview of leadership, administration, decision-making, and organization within the healthcare system. Emphasis is placed upon leadership styles and application of the functions of leadership to situations in the healthcare environment.

Prerequisite(s): HP 211.

HA 421 - Healthcare Finance

Credits: 3

This course provides an overview of financial systems. Selected healthcare financial management concepts including payment incentives, integrated systems, cost management, pricing and marketing, productivity monitoring, insurance coding, and quality improvement will be studied as they relate to various types of healthcare organizations. Selected computer applications to demonstrate budgeting, forecasting, data base integration, and variance analysis will be used.

Prerequisite(s): HP 211; ACCT 201 recommended.

HA 431 - Healthcare Quality

Credits: 3

This course will provide the knowledge base and the tools required to understand and analyze the importance of issues of quality in healthcare. Topics to be covered include: dimensions of quality care and performance, including outcomes, overuse, and under use; errors and threats to patient safety; service flaws; and forms of waste in the healthcare environment.

Prerequisite(s): HP 211.

HA 496 - Marketing and Competitive Strategy in Healthcare

Credits: 3

This course focuses on healthcare marketing and strategic planning in healthcare. The increasing complexity of the healthcare system dictates a need for an organized approach to strategy, and one that ties key market issues and needs to a definitive market position, quantifiable objectives, and finally to strategies and actions aimed at achieving the position and objectives. This course allows the student to learn such an organized approach to marketing and strategy. A strategic analysis and plan, as a means to introduce the principles and concepts of strategy applicable to healthcare, will be conducted.

Prerequisite(s): HP 211.

HIST 101 - The United States to 1865

Credits: 3

A survey of United States history from colonial times through the Civil War. Majors in elementary education must take HIST 101 or HIST 102.

USI Core 39: Ways of Knowing-Historical Inquiry.

This course is part of the Core Transfer Library (CTL).

Indiana Statewide Common Course #: ISH 1010.

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

Term(s) Offered: Fall, Spring, Summer

HIST 102 - The United States since 1865

Credits: 3

A survey of United States history from the end of the Civil War to the present. Majors in elementary education must take HIST 101 or HIST 102.

USI Core 39: Ways of Knowing-Historical Inquiry.

This course is part of the Core Transfer Library (CTL).

Indiana Statewide Common Course #: ISH 1011.

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

Term(s) Offered: Fall, Spring, Summer

HIST 111 - World Civilizations I, Beginnings to 1500

Credits: 3

The development of the major civilizations, Western and Non-Western, from their beginnings to 1500. The cultural achievements of these civilizations are studied in their historical contexts.

USI Core 39: Ways of Knowing-Historical Inquiry.

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

Term(s) Offered: Fall, Spring, Summer

HIST 112 - World Civilizations II, 1500-Present

Credits: 3

The development of the major civilizations, Western and Non-Western, from 1500 to the present. The cultural achievements of these civilizations are studied in their historical contexts.

USI Core 39: Ways of Knowing-Historical Inquiry.

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

Term(s) Offered: Fall, Spring, Summer

HIST 130 - Issues in American History

Credits: 3

A selection of issues which focus on understanding aspects of American history within a national and global framework. This course offers first- and second-year students an alternative to HIST 101 and/or HIST 102.

USI Core 39: Ways of Knowing-Historical Inquiry.

Repeatability: May be taken twice with topic change.

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

HIST 140 - Issues in World History

Credits: 3

A selection of issues which focus on understanding particular aspects of world history within a global framework. This course offers first- and second-year students an alternative to HIST 111 or HIST 112.

USI Core 39: Ways of Knowing-Historical Inquiry.

Repeatability: May be taken twice with topic change.

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

HIST 261 - Early World History to 1300

Credits: 3

A survey of World History to 1300, emphasizing the development and exchange of representative cultural markers between major Western and non-Western civilizations. Prominence given to understanding the course of historical change by developing awareness of causality, change, continuity and historical relevance. This writing-intensive course will emphasize primary source analysis and a critical understanding of history.

Prerequisite(s): One 100-level history course and ENG 201 and history major or minor, or permission of instructor

HIST 262 - Early Modern World History, 1300 - 1700

Credits: 3

A survey of World History 1300 - 1700, emphasizing the interaction between major Western and non-Western civilizations. Prominence given to understanding the course of historical change by developing awareness of causality, change, continuity and historical relevance. This writing-intensive course will emphasize primary source analysis, and a critical understanding of history.

Prerequisite(s): One 100-level history course and ENG 201 and history major or minor or consent of instructor

HIST 263 - Modern World History, 1700 - present

Credits: 3

A survey of World History since 1700, emphasizing the interaction between major Western and non-Western civilizations. Prominence given to understanding the course of historical change by developing awareness of causality, change, continuity and historical relevance. This writing intensive course will emphasize primary source analysis and a critical understanding of history.

Prerequisite(s): One 100-level history course and ENG 201 and history major or minor, or consent of instructor

HIST 298 - Historical Methods

Credits: 3

An exploration of the principles of historical research; students will implement these with a particular focus on developing critical and analytical methodologies. Significant writing component required.

Prerequisite(s): Limited to history majors and minors, one 100- or 200-level history course, or consent of instructor.

Term(s) Offered: Fall, Spring, Summer

HIST 301 - Native American Civilizations

Credits: 3

Historical survey of early American civilizations. Emphasis is on cultural, religious, social, governmental, and economic developments. Attention is given to the historical significance of the European intrusion and the interchange of American, European, and African ideas, resources, products, and peoples.

Prerequisite(s): sophomore standing.

HIST 302 - Colonial America to 1740

Credits: 3

Analysis of European discovery and colonization of the Americas, particularly North America. Attention is given to European exploration, interaction with Native American cultures, and the beginnings of colonial development.

Prerequisite(s): sophomore standing.

HIST 303 - The American Revolution, 1740-1787

Credits: 3

A detailed history of the last decades of the English colonies in America, the forces leading to the American Revolution, and the creation of the United States up to the writing of the Constitution.

Prerequisite(s): sophomore standing.

HIST 304 - The Early American Republic, 1787-1848

Credits: 3

History of the United States from the creation of the Constitution to the end of the war with Mexico, emphasizing economic growth, territorial expansion, and social change. Substantial attention is given to slavery and antebellum reform.

Prerequisite(s): sophomore standing.

HIST 305 - Civil War America, 1848-1877

Credits: 3

A study of the United States from the end of the war with Mexico to the end of Reconstruction with emphasis on the coming and course of the Civil War and the reunion of the nation at the war's end.

Prerequisite(s): sophomore standing.

HIST 306 - The Emergence of Modern America, 1877-1914

Credits: 3

An examination of the social, economic, political, religious, and intellectual developments and controversies that helped shape modern America. Special attention is given to issues raised by industrialization, urbanization, immigration, science, and technology. The Labor, Populist, and Progressive movements are studied closely.

Prerequisite(s): sophomore standing.

HIST 307 - The United States and World War, 1914-1945

Credits: 3

American history from involvement in World War I to the end of World War II. In addition to exploring America's impact on both world wars and their consequences for United States history, the course analyzes the social, economic, cultural, intellectual, political, and diplomatic history of the interwar period, 1919-1941.

Prerequisite(s): sophomore standing.

HIST 308 - United States since 1945

Credits: 3

An introduction to American history in the years of the beginning and collapse of the Cold War. The course examines the rise and weakening of the postwar economic and social order, especially during and after the Vietnam War, Watergate, and the Middle East crises of the 1970s.

Prerequisite(s): sophomore standing.

HIST 311 - Women and Gender in America

Credits: 3

Places the experiences of American women in an international context and considers the contribution of women to American history. Particular attention is given to gender relations, the importance of race and class, and the diverse nature of women's experiences from the colonial period to the present.

Prerequisite(s): sophomore standing.

HIST 313 - Immigration and Nationality in America

Credits: 3

An exploration of the sources and patterns of immigration in American history from the early 1600s to the present. The course also treats the acculturation and assimilation of immigrants and the contributions of ethnic and racial groups to the course of American history.

Prerequisite(s): sophomore standing.

HIST 316 - The Vietnam War

Credits: 3

Explores the beginnings of U.S. involvement in Southeast Asia at the conclusion of World War II. Cold War ideologies underlying American involvement in the 1950s, escalation of the conflict in the 1960s and growing opposition to the war at home. Students will also analyze the continuing cultural impact of the war as expressed through films, literature, and monuments memorializing the war.

Prerequisite(s): HIST 102 or consent of instructor

HIST 321 - Introduction to Historic Preservation

Credits: 3

A survey of built environment history and the historic preservation movement. Structures, sites, and collections are studied in the context of fund and museum development and management. The relationship of historic sites to local, state, and national organizations and agencies is examined. Student projects include on-site experience.

Prerequisite(s): sophomore standing.

HIST 322 - Introduction to Historical Administration

Credits: 3

An introduction to the field of Historical Administration presenting both management and historic material. The course provides an overview of the not-for-profit manager and the basic functions of the historian in public service. Includes on-site visitation and emphasis upon work areas with a historical focus.

Prerequisite(s): sophomore standing.

HIST 323 - Introduction to Archival Practices

Credits: 3

Introduction to basic principles and practices in managing archives or special collections, surveying various types of archives and repositories and concepts and methods for organization and descriptive systems used in academic, public, private, and museum collections. Exploration and analysis of new archival technologies and tools used for processing collections and increasing accessibility, and apply these principles to a service learning project based on a local archive.

Prerequisite(s): Sophomore standing.

HIST 331 - Colonial Latin American History

Credits: 3

Assesses the Spanish and Portuguese conquest and rule of the Americas; focuses on interactions between Europeans, natives, and Africans in creating colonial societies.

Prerequisite(s): sophomore standing.

HIST 332 - Modern Latin American History

Credits: 3

The main events in the history of Latin America from independence to the present, including issues of class, race, gender, and ethnicity.

Prerequisite(s): sophomore standing.

HIST 333 - Gender in Latin American History

Credits: 3

Examines the construction of gender identities over the past 500 years in Latin America.

Prerequisite(s): sophomore standing.

HIST 334 - U.S.-Latin American Relations

Credits: 3

Examines the relations between the United States and its neighbors to the south from 1820 to the present, focusing on Latin American reactions to U.S. policy and presence.

Prerequisite(s): sophomore standing.

HIST 341 - Ancient Greece to Alexander

Credits: 3

A detailed survey of the origins and flowering of Greek culture against the backdrop of its archaeology and history, 2000-338 B.C.

Prerequisite(s): sophomore standing.

Term(s) Offered: Fall

HIST 342 - The Hellenistic Age, Alexander to the Roman Conquest, 338-31 B.C.

Credits: 3

A political, economic, religious, social, and intellectual history of the Hellenistic world from 338 to 31 B.C. The course explores the massive change brought about by Alexander the Great's unification of the Near East and Greece.

Prerequisite(s): sophomore standing.

Note: This course may count in Area II or Area III of the history major or minor.

Term(s) Offered: Spring

HIST 343 - The Roman Republic

Credits: 3

An intensive study of the Roman Republican experiment in orderly representative government by law until the revolution that brought on the Roman Empire in 31 B.C.

Prerequisite(s): sophomore standing.

Term(s) Offered: Fall

HIST 344 - The Roman Empire

Credits: 3

This course studies the Roman Revolution under Augustus which transformed the Republic into the Empire, Rome's assimilation of the heterogeneous peoples of Europe and the Near East, the cultural and religious dimensions of Rome's Silver Age, and the fall of the Empire in 476 A.D.

Prerequisite(s): sophomore standing.

Term(s) Offered: Spring

HIST 345 - Medieval Europe, 500-1300

Credits: 3

The reconstruction of a new European civilization upon the ruins of the old Roman Empire through the alliance of the Greco-Roman cultural traditions, Christianity, and the vitality of the new Germanic peoples.

Prerequisite(s): sophomore standing.

HIST 346 - The Renaissance, Dante to 1600

Credits: 3

An analysis of the great intellectual outburst which produced Dante, da Vinci, Michelangelo, Machiavelli, and the beginning of the Modern era.

Prerequisite(s): sophomore standing.

HIST 347 - The Reformation, Wyclif to 1648

Credits: 3

The Protestant Reformation and the Catholic response as seen in the context of the political, social, and intellectual history of Europe.

Prerequisite(s): sophomore standing.

HIST 348 - Europe, 1648 through Napoleon

Credits: 3

A study of Absolutism, Enlightenment, and Revolution in their political, economic, religious, social, and artistic aspects, from Descartes and Newton through the French Revolution and Napoleon.

Prerequisite(s): sophomore standing.

HIST 349 - Europe, Napoleon to World War I

Credits: 3

An analysis of the impact upon Europe of Conservatism, Liberalism, and Socialism under the impetus of the Industrial Revolution. Emphasis also is upon the relationship of Social Darwinism, Imperialism, and Nationalism to the beginning of the First World War.

Prerequisite(s): sophomore standing.

HIST 351 - Europe, World War I to the Present

Credits: 3

A survey of European society, economy, and politics since 1914. Topics include World War I, Russian Revolution, rise of Fascism, World War II, Cold War, and end of the Soviet Union.

Prerequisite(s): sophomore standing.

HIST 353 - England to 1600

Credits: 3

English history from the Celtic period to 1600, with accent upon the political and cultural growth of the English nation.

Prerequisite(s): sophomore standing.

HIST 354 - Britain since 1600

Credits: 3

Examines British history beginning with the seventeenth-century origins of the modern Parliamentary state, with special consideration of the political, cultural, social, economic, imperial, and religious issues that shaped the development of the nation's history from that time to the present.

Prerequisite(s): sophomore standing.

HIST 362 - History of Paris

Credits: 3

This course surveys the political, cultural and social history of Paris from the late Middle Ages through contemporary

times. Among the topics to be covered are the roles of the Catholic Church and the French monarchy in the city's affairs; the growth in population beginning in the seventeenth century; the city's history of revolutions from 1789 through 1871; and long-term developments in architecture and urban planning. Among the political and cultural figures to be examined are Etienne Marcel, Henri IV, Louis XVI, Maximilien Robespierre, Victor Hugo, Honoré de Balzac, Louis Michel and Simone de Beauvoir.

Prerequisite(s): One 100-level history course and sophomore standing.

HIST 365 - Crusades

Credits: 3

An intensive study of the holy wars between Western Europe and Islam that took place in the Holy Land and Europe from the late eleventh century to the late fifteenth century. Special emphasis is placed on an analysis of the crusading ideal, the motivations of the crusaders, the changes in crusade ideology, as well as Muslim response to Christian military attacks. Cross-cultural exchanges between Christians, Muslims, and Jews in the territories affected by the crusades also are examined.

Prerequisite(s): sophomore standing.

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

Note: this course may count in Area II or Area III of the history major or minor.

HIST 371 - Tsarist Russia

Credits: 3

The main currents of Russia's history from earliest times to the Revolution of 1917, including the rise of autocracy and serfdom, foreign policy concerns, and the factors leading to the Revolution.

Prerequisite(s): sophomore standing.

HIST 372 - The Soviet Union

Credits: 3

A study of the Russian Revolution, Marxism-Leninism, the creation of the Stalinist system, the Cold War, and the demise of the Soviet Union.

Prerequisite(s): sophomore standing.

HIST 375 - The Middle East from the Rise of Islam to 1500

Credits: 3

Exploration of the origins and development of Islam in the context of Middle Eastern history with particular focus given to the social aspects of the Islamic community and its relations with non-members, especially Jews and Christians.

Prerequisite(s): One 100-level history course and sophomore standing

HIST 376 - The Middle East since 1500

Credits: 3

Examination of the changing relationships between the Islamic World and other peoples, especially Europeans after 1500 and the continuing evolution of Islamic identities. Includes exploration of the ongoing debate about the role of modernism, Islamic reform, and westernization within the Islamic world and the emergence of pan-Islamic and fundamentalist movements.

Prerequisite(s): One 100-level history course and sophomore standing

HIST 377 - History of Iran

Credits: 3

Study of the important political, economic and cultural role Iran has played in the development of Middle Eastern and South Asian societies from ancient times to the present, providing an important cornerstone for understanding the contemporary Middle East.

Prerequisite(s): One 100-level history course and sophomore standing

HIST 384 - History of Africa to 1800

Credits: 3

A study of African history and culture from prehistory to 1800. Emphasis is given to Africa as an integral part of world history.

Prerequisite(s): One 100-level history course and sophomore standing

HIST 385 - History of Africa since 1800

Credits: 3

A study of African history and culture since 1800, emphasizing historical and theoretical approaches to colonial and post-colonial history.

Prerequisite(s): One 100-level history course and sophomore standing

HIST 392 - History of Japan

Credits: 3

A historical survey of Japan from the origins of the Japanese people through the post-World War II period.

Prerequisite(s): sophomore standing.

HIST 393 - History of China to 1644

Credits: 3

A study of Chinese history from the Neolithic through the Ming Dynasty. Special emphasis is given to the development of Chinese society and China's role in world history.

Prerequisite(s): One 100-level history course and sophomore standing

HIST 394 - History of China since 1644

Credits: 3

In this class students will consider the history of China since 1644. Specifically, this encompasses the Qing dynasty (1644-1911), the Republican period (1911-1949), the Maoist period (1949-1976) and the current period that one might title the period of capitalist restoration (1976-present) or the post-Maoist period.

Prerequisite(s): One 100-level history course and sophomore standing

HIST 398 - Historiography

Credits: 3

The study of historical thought and writing, which will explore representative examples of the major historiographical schools, their tools, methods, and ideas as developed over time.

Prerequisite(s): HIST 298 or consent of instructor.

Term(s) Offered: Fall

HIST 400 - Topics in American History

Credits: 3

An intensive examination of a theme or an era in American history. Substantial reading, class discussion, and a major writing assignment are required. The focus of each course offering is determined by the instructor and the history department.

Prerequisite(s): HIST 101 or HIST 102, or consent of instructor.

Repeatability: May be taken twice for credit toward history major and minor.

HIST 405 - The Modern Civil Rights Movement

Credits: 3

Students will explore the radical civil rights movement of the early twentieth century, including Garveyism, the founding of the NAACP, and African-American leaders in radical working-class politics. Students will analyze American foreign policy and race relations during the Cold War, the emergence of a radical student movement and black nationalism in the 1960s and 1970s, and race relations as they stand in contemporary American politics.

Prerequisite(s): HIST 102 or consent of instructor

HIST 410 - Topics in World History

Credits: 3

An intensive examination of a theme or topic in world history. Substantial reading, class discussion, and a major writing assignment are required. The focus of each course offering is determined by the instructor and the history department.

Prerequisite(s): HIST 111 or HIST 112 or consent of instructor.

Repeatability: May be taken twice for credit toward history major or minor.

HIST 411 - Religion in America

Credits: 3

An examination of the impact of religious values and institutions on American history. Special attention is given to the rise, decline, and legacy of mainstream Protestant culture, religious pluralism in the 20th century, the religious origins of social and cultural change, the continuing importance of civil religion, and the implications of the First Amendment for religious expression in America.

Prerequisite(s): HIST 101 or HIST 102, or consent of instructor.

HIST 419 - Communal Utopias in America

Credits: 3

A study of the utopian thought and historical development of religious and social movements that have employed communal methods of organization in America from colonial times to the present. Shakers, Harmonists, Owenites, Fourierists, Mormons, Oneidans, Hutterites, and communal groups since the youth movement of the 1960s are emphasized.

HIST 420 - Topics in European History

Credits: 3

An intensive examination of a theme or an era in European history. Substantial reading, class discussion, and a major writing assignment are required. The focus of each course offering is determined by the instructor and the history department.

Prerequisite(s): HIST 111 or HIST 112, or consent of instructor.

Repeatability: May be taken twice for credit toward history major or minor.

HIST 431 - The American South

Credits: 3

A study of the American South from its colonial beginnings to the present. Southern society, economy, culture, and politics are examined to assess their influence upon the growth of the nation from the time of slavery to the era of civil rights.

Prerequisite(s): HIST 101 or HIST 102, or consent of instructor.

HIST 432 - The American West

Credits: 3

The American experience as seen through the movement of people westward with major attention given to the trans-Mississippi west.

Prerequisite(s): HIST 101 or HIST 102, or consent of instructor.

HIST 433 - American Foreign Relations to 1900

Credits: 3

The history of United States relations with foreign nations from the War of Independence to 1900. Emphasis is upon the diplomacy of the American Revolution, neutral rights, Monroe Doctrine, Manifest Destiny, territorial expansion, relations with native American tribes, Civil War, and Imperialism.

Prerequisite(s): HIST 101 or HIST 102, or consent of instructor.

Cross-Listed: Dual listing as POLS 433.

HIST 434 - American Foreign Relations Since 1900

Credits: 3

United States relations with other nations from 1900 to the present. Emphasis is upon the diplomacy of World Wars I and II,

intergovernmental organizations, Latin America, the Cold War, Vietnam, China, collapse of the Soviet Union, and the Middle East.

Prerequisite(s): HIST 102, or consent of instructor.

Cross-Listed: Dual listing as POLS 434.

HIST 439 - History of Indiana

Credits: 3

A survey of the history of Indiana from early to modern times.

HIST 451 - French Revolution and Napoleon

Credits: 3

Seeks to understand how the French Revolution and Napoleon Bonaparte helped to usher in the modern world. Stresses the impact of the Enlightenment, development of political systems, and the military and diplomatic repercussions of the French Revolution and Napoleonic Empire.

Prerequisite(s): HIST 112, or consent of instructor.

HIST 452 - European Revolutions

Credits: 3

A study of Europe's extraordinary revolutionary history, emphasizing the French and Russian Revolutions and the Revolutions of 1848 and 1989. Focuses on a comparison of patterns, along with gaining an understanding of the impact of industrialization and the role of ideas.

Prerequisite(s): HIST 112, or consent of instructor.

HIST 454 - History and Film

Credits: 3

Examines film as an important factor in our understanding of the past. Explores the context in which films are produced, the interpretations of the past they offer and how audiences' historical perception is affected by films. Topics will vary.

Prerequisite(s): Any 100-level History course or consent of instructor.

Note: this course may count in Area I or Area II.

HIST 461 - Revolutionary Movements in Latin American History

Credits: 3

In Revolutionary Movements in Latin America, we will consider major historical questions such as: What constitutes a revolution? What types of revolutions are there? What is the relationship between human will (as exercised by individuals and small groups) and large scale, impersonal economic, social and cultural forces in bringing about revolutionary change? We will consider these questions in the Latin American context.

Prerequisite(s): HIST 112 or HIST 263

HIST 490 - Internship/Special Studies in History

Credits: 1-3

This course offers an internship in public and applied history through an assigned project at a historic site, museum, library, archive, or other approved institution. The course also may be used to gain credit for special studies in history associated with attending and/or participating in events such as seminars, conferences, and field work or doing honors research. Credit hours available for each offering is determined by the instructor and history department.

Prerequisite(s): HIST 111 or HIST 112, and HIST 298, or consent of instructor.

Repeatability: Course may be repeated for up to six hours credit toward history major or minor.

HIST 498 - Senior Seminar in American History

Credits: 3

A research course in selected fields of American history at the senior level. Students conduct historical research with close guidance from the instructor and write extensive, well-documented papers. HIST 498 or HIST 499 is required for history major or minor; selected sections of HIST 498 will be designed and designated for future secondary school teachers.

Prerequisite(s): HIST 298, senior standing and history major or minor or consent of instructor.

Repeatability: May be taken twice for credit toward history major or minor. If taken twice for major, or in addition to HIST 499, it will count in Elective Area I. If taken twice for minor, or taken in addition to HIST 499, it will count in Elective Area I.

Term(s) Offered: Fall, Spring

HIST 499 - Senior Seminar in World History

Credits: 3

A research course in selected fields of World History at the senior level. Students conduct historical research with close guidance from the instructor and write extensive, well-documented papers. HIST 498 or HIST 499 is required for history major or minor; selected sections of HIST 499 will be designed and designated for future secondary school teachers.

Prerequisite(s): HIST 298; senior standing and history major or minor or consent of instructor.

Repeatability: May be taken twice for credit toward history major or minor. If taken twice for major or minor, or in addition to HIST 498, it will count in Elective Area II or III, as determined by course content.

Term(s) Offered: Fall, Spring

HONS 101 - Issues for the 21st Century

Credits: 1

A seminar course which will be offered with different topics from semester to semester and perhaps in multiple sections with different topics in the same semester. Each section will be designed to serve three main purposes. They are: 1) to introduce honors students to the University's Honor Program and its curriculum, 2) to build community among students in the Honors Program, and 3) to help honors students build the cognitive skills and scholarly disposition needed to achieve their full academic potential.

Prerequisite(s): Admission to the University Honors Program

HONS 102 - Exploring Contemporary Issues

Credits: 1

A seminar course which will explore contemporary issues, with varying topics from semester to semester. Each section will help 1) introduce honors students to the University's Honors Program and its curriculum, 2) build community among students in the Honors Program, and 3) help honors students build the cognitive skills and scholarly disposition needed to achieve their full academic potential.

Prerequisite(s): Admission to the University Honors Program.

HONS 220 - Honors Seminar in the Arts: Art at the Edges

Credits: 3

This course is an introduction to looking at and understanding art. This course covers the elements and principles of design and how they are employed in the major media areas in two, three, and four dimensions. Emphasis will be placed on how visual art is a powerful means of communication from artist to viewer. The course will focus on how art interacts with other disciplines and how artists push the limits of what art is and what it can do.

Prerequisite(s): HONS 101 or HONS 102 (may be taken concurrently) or permission of instructor

HONS 291 - Seminar in Medicine

Credits: 2

This is a discussion-based course designed to provide realistic information about the practice of medicine. The emphasis is on communication with patients and between health care providers.

Prerequisite(s): admission to B/MD program and sophomore standing or consent of instructor.

Grading: Pass/No Pass

HP 115 - Medical Terminology For The Health Professions

Credits: 2

This course focuses on the study of the prefixes, suffixes, and root words commonly found in the field of medicine and healthcare.

This course is part of the Core Transfer Library (CTL).

Indiana Statewide Common Course #: IPO 1820.

HP 211 - The Healthcare Delivery System

Credits: 3

This course provides an overview of the healthcare delivery system from a historical, economic, legal/ethical, and political framework.

HP 225 - Pharmacology and Therapeutics

Credits: 3

This course provides an introduction to modern therapeutic drugs. Dosage forms, sources, prescriptions, and metabolism are covered first, then students study human physiological systems and the most important drugs used to affect these systems. Emergency and new drugs are included. Open to all health professions and biology students.

HP 234 - Mechanisms of Pathophysiology

Credits: 3

This course utilizes a systems approach to understand underlying mechanisms of the disease process and how these mechanisms relate to and cause overt signs and symptoms. The content emphasizes normal homeostasis controlling mechanisms and how pathophysiological mechanisms disturb homeostasis and cause dysfunction.

Prerequisite(s): an introductory BIOL or CHEM course recommended.

HP 236 - Eastern Medicine and Alternative/Complimentary Healthcare

Credits: 3

This is a course designed to study Eastern medicine and its influence on complementary healthcare therapies. Emphasis is on

historical, cultural, social, research, and consumer interest influences on the evolving model of east-west healing and healthcare. Specific modalities will be studied with emphasis on utilization for self-care and their use in healthcare. Implications for changes in healthcare environments and healthcare provider roles also will be analyzed.

USI Core 39: Ways of Knowing-World Languages and Culture.

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

HP 255 - Human Sexuality: A Health Perspective

Credits: 3

This course focuses on interdisciplinary approach to the study of individual and societal determinants in the expression of human sexuality in relationship to health. Changing social values, sexual behaviors, contraception, sexually- contracted diseases, and problems in sexual development in relationship to health are explored.

HP 265 - Alcohol And Drug Abuse: A Health Perspective

Credits: 3

This course focuses on an interdisciplinary approach to the study of alcohol and drug abuse from a health perspective. Etiological theories and the physiological and social consequences of alcoholism and drug abuse are studied. Current approaches to prevention, identification, and treatment of alcoholism and drug abuse are analyzed.

HP 302 - Biostatistics

Credits: 3

The course provides students with an introduction to assessing the magnitude, reliability, validity, and precision of associations (e.g., between exposures and disease) and making inferences about target populations using data from samples in the health professions. Topics include probability and sampling distribution, research design and analysis of variance, regression and correlation, stochastic processes, and frequency distributions.

USI Core 39: Ways of Knowing-Scientific and Mathematical Reasoning.

Prerequisite(s): MATH 107, MATH 111, or MATH 114.

HP 305 - Structure and Theory: Worksite Wellness and Health Promotion

Credits: 3

This course provides the students with knowledge about health and wellness concepts and strategies to implement them in the workplace. Theoretical models will be the basis used to explore why individuals choose healthy or unhealthy behaviors and what motivates them to change their choices. Effective assessment techniques for the individual and organization will be presented. Utilization of the assessment data to develop an effective health promotion plan will be studied.

Prerequisite(s): HP 211.

HP 306 - Evaluation and Application: Worksite Wellness and Health Promotion

Credits: 3

This course provides the student with knowledge on the development of a health promotion plan for the worksite. Designing interventions to meet the needs of the workforce and the organization will be explored extensively. Examination of the evaluation process including methods, data gathering, data analysis, and outcome analysis.

Prerequisite(s): HP 305.

HP 308 - HIV/AIDS: Biological, Medical, Psychosocial, and Legal Perspectives

Credits: 3

This course provides a physiological and psychosocial base for health professionals and concerned others to provide care and support to children and adults with HIV disease. Theories and concepts relevant to the disease process and care giving will be examined.

Prerequisite(s): HP 211.

HP 314 - Audiology and Hearing Impairment

Credits: 3

This course covers topics in basic audiology and hearing impairment. Information covered will be informative for professionals who come in contact with hearing impaired individuals. Approximately five of every 1,000 babies are born with significant hearing loss. Hearing loss frequently accompanies other disabilities and is a normal development with the process of aging. Topics to be studied include: types and causes of hearing loss, social and emotional factors related to hearing loss, helpful communication strategies to use with hearing impaired persons, different types of amplification and management of such, and other equipment and services available for those who are hearing impaired.

HP 356 - Ethics and Healthcare in a Pluralistic Society

Credits: 3

The course will provide students with an ethical framework for decision-making in the context of a pluralistic society. Models and principles of ethical justification among a diversity of cultures and belief systems will be analyzed. Specific applications are made to concerns in clinical and healthcare management. Topics include the right to healthcare, community health ethics, end-of-life issues, and organizational ethics.

USI Core 39: Ways of Knowing-Moral and Ethical Reasoning; Embedded Experience-Diversity.

Prerequisite(s): Sophomore standing or consent of instructor.

HP 377 - Foundations for Health Promotion

Credits: 3

This course will present an overview of concepts relating to the emerging field of health promotion and preventative care. A review of current trends in program design and resulting behavior changes will assist students in taking responsibility for their own health as well as moving their worksites and their communities toward optimal wellness.

HP 378 - Community Health Education Methods

Credits: 3

This course focuses on the development of community and systemic strategies to improve health knowledge, attitudes, skills and behavior.

Prerequisite(s): HP 211

HP 397 - Ethical and Legal Issues in the Management of Health Services

Credits: 3

This course provides students an opportunity to examine and analyze common occurrences in the management of the healthcare system that are affected by laws, standards, and/or regulations; and which may call into question the ethical decisions leaders in healthcare organizations are frequently required to make. Particular emphasis will be placed on ethical business decisions. The role of ethics committees and institutional review boards will be addressed as they relate to both clinical decisions and the administration of healthcare facilities.

Prerequisite(s): HP 211.

HP 409 - Health Promotion and Worksite Wellness Practicum

Credits: 3

This practicum provides the student with practical experience in needs assessment, individual and organizational assessment, program planning, implementation, evaluation, and problem solving of health promotion programs. The student will complete a program negotiated with the instructor and gain additional experience under the supervision of an experienced health promotion professional.

Repeatability: Repeatable to a maximum of six credit hours

HP 480 - Internship in Health Services

Credits: 1, 2, or 3

This course provides an internship for junior or senior student Health Services majors who meet the eligibility criteria. An opportunity to gain valuable insight and understanding of current topics in the healthcare environment while they assist the healthcare business reach its organizational goals will be provided. Interns will function as valuable, student members of a healthcare-related management team. The experience will lead students to a deeper appreciation of the nature of the healthcare field. Both leadership and team work opportunities will be sought, and the student intern will have a chance to think on his/her feet while participating in practical workplace situations. The University will work closely with the participating healthcare organization to customize an experience for the intern that meets the needs of the healthcare organization without compromising academic goals or the student's academic progress.

Prerequisite(s): consent of program chair required. Repeatable to a maximum of six credit hours.

HP 490 - Special Topics In Health Professions

Credits: 1, 2, or 3

This is an advanced course for majors in health professions. Special topics are considered.

Prerequisite(s): consent of faculty required. Repeatable to a maximum of six credit hours.

HP 492 - Transcultural Healthcare in the Global Community

Credits: 3

This multi-disciplinary course is designed for students interested in learning about transcultural populations of people and the relationship of culture to health and healthcare. Included in the course will be a visit to examine transcultural health in the global community. Service projects included during the visit will provide clinical and community education opportunities in a variety of sites and will promote interdisciplinary responses to healthcare issues in the cultural context of the community.

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

HP 498 - Current Concepts in the Health Professions

Credits: 3

This course examines the issues important to the healthcare professional from a historical, economical, legal/ethical, political, and multicultural framework. Professionalism, negotiation, change agent, leadership, role theory, and role strategies are studied in relation to the healthcare professional. Topics will be selected based upon current trends in healthcare.

USI Core 39: Embedded Experience-Writing.

Prerequisite(s): ENG 201, senior standing or consent of instructor.

HUM 211 - World Humanities I

Credits: 3

A world survey of major cultural, artistic, and philosophical movements from prehistory to the 14th century methodologically grounded in literature, the arts, and philosophy.

USI Core 39: Ways of Knowing-World Languages and Culture; World Language and Culture-BS.

Prerequisite(s): ENG 101.

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

Term(s) Offered: Fall, Spring

HUM 212 - World Humanities II

Credits: 3

A world survey of major cultural, artistic, and philosophical movements from the 14th century to the contemporary period methodologically grounded in literature, the arts, and philosophy.

USI Core 39: Ways of Knowing-World Languages and Culture; World Language and Culture-BS.

Prerequisite(s): ENG 101.

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

Term(s) Offered: Fall, Spring

HUM 231 - The Western Tradition in Philosophy I

Credits: 3

An introduction to the major thought and art of Western culture through a study of the great philosophers. This course will focus on the Ancient and Medieval worlds.

Prerequisite(s): ENG 101 and CMST 101 or CMST 107 or THTR 251.

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

Term(s) Offered: Fall

HUM 232 - The Western Tradition in Philosophy II

Credits: 3

An introduction to the major thought and art of Western culture through a study of the great philosophers. This course will focus on the Renaissance, Enlightenment, and Modern worlds.

Prerequisite(s): ENG 101 and CMST 101 or CMST 107 or THTR 251.

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

Term(s) Offered: Spring

HUM 241 - The Humanistic Tradition in Literature I

Credits: 3

An introduction to world culture through a study of literature from the Ancient period to the 14th century.

USI Core 39: Ways of Knowing-World Languages and Culture; World Language and Culture-BS; Embedded Experience-Writing.

Prerequisite(s): ENG 201.

This course is part of the Core Transfer Library (CTL).

Indiana Statewide Common Course #: *IEL 1250*.

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

Term(s) Offered: Fall, Spring

HUM 242 - The Humanistic Tradition in Literature II

Credits: 3

An introduction to world culture through a study of literature from the 14th century to the contemporary period.

USI Core 39: Ways of Knowing-World Languages and Culture; World Language and Culture-BS; Embedded Experience-Writing.

Prerequisite(s): ENG 201.

This course is part of the Core Transfer Library (CTL).

Indiana Statewide Common Course #: *IEL 1251*.

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

Term(s) Offered: Fall, Spring

IME 311 - Operations Research

Credits: 3

This course will include linear programming, model formulation, the simplex method, duality, sensitivity analysis and transportation/assignment model application. Other topics of study will be integer programming and the branch-and-bound method, which will lead to dynamic (recursive) programming. The course will conclude with network modeling, and decision analysis under uncertainty and risk.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (3-0)

IME 315 - Process Improvement

Credits: 3

This course will include operations analysis, manual, cognitive, workplace, equipment, tool and environment design, methods of time study, performance ratings, and standards development will be included. The course will also cover safety, ergonomics, and safety management.

Prerequisite(s): Junior standing in Engineering.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (3-0)

IME 331 - Introduction to Statistical Quality Control

Credits: 3

Topics include statistical process control, capability analysis, and sampling plans. Lab exercises include the data collection, develop of control charts for both variables and attributes, and capability analysis of processes and equipment. The use of calculators and various statistical software packages will be required for problem solving and report generation.

USI Core 39: Ways of Knowing-Scientific and Mathematical Inquiry.

Prerequisite(s): ENGR 305 or TECH 275.

IME 411 - Simulation Modeling and Analysis

Credits: 3

This course is designed to introduce the fundamentals of simulation and systems modeling. During the course, the student will gain experience in formulating an appropriate simulation model for a system, implementing the model as a computer program, and evaluating the output of the model. Topics covered include Monte Carlo techniques, sampling from and identifying stochastic distributions, methods of estimating performance measures from simulation outputs, practical applications, and procedures for validating and verifying simulation models. Special purpose simulation languages such as Arena and SIMAN will be utilized. Systems models will also be constructed using Microsoft Excel software.

Prerequisite(s): Junior standing in engineering and ENGR 305.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (2-3)

IME 412 - Production and Inventory Control Systems

Credits: 3

This is an introductory course in the area of production and inventory control systems. Topics to be covered include a general introduction to inventory management and production planning decisions, economic order quantities, heuristics and models for probabilistic and time-varying demand patterns, coordinated replenishment systems, aggregate planning and supply chain. The principles of lean, Six-Sigma, Material Requirements Planning (MRP) and Enterprise Resource Planning (ERP) will also be discussed.

Prerequisite(s): Junior Standing in Engineering and ENGR 305.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (3-0)

IME 414 - Process and Facility Design

Credits: 3

This course develops an understanding of key strategic issues on facility design (e.g., product flow and waste elimination). Emphasis is on designing lean industrial facilities through the design of value-added manufacturing/assembly, material handling, and storage operations and the implementation of effective manufacturing support systems. Two other topics to be covered are plant layout and facility location. Special attention is given to the plant layout topic as it is critical to ensure continuous product flow. Case studies and practical examples are used to illustrate the application of the theoretical concepts taught in class.

Prerequisite(s): ENGR 305.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (3-0)

IME 419 - Transportation and Logistics

Credits: 3

This course provides an overview of key concepts in supply chain management directly related to transportation and logistics. Emphasis is on the strategic importance of creating value in those areas (i.e., transportation and logistics) through the systematic study of theoretical principles in transportation management, distribution, and warehousing. The adoption of best practices including the use of third-party logistics providers (3PL) is also covered. The role of information technology to enable improvements in transportation and warehousing is reviewed. Case studies and practical examples are extensively used to illustrate how to address operational issues in transportation, distribution, and warehousing to effectively increase supply chain responsiveness and performance and improve customer satisfaction.

Prerequisite(s): ENGR 305.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (3-0)

INST 101 - Introduction to International Studies

Credits: 3

An interdisciplinary introduction to International Studies with focus on globalization and cultural diversity.

Prerequisite(s): ENG 100 or ENG 101 or placement into ENG 100 or ENG 101.

INST 185 - Introduction to Africa

Credits: 3

This course is designed to introduce students to various aspects of Africa and its people including, but not limited to: geography,

history, language, culture, religion, politics, economics, literature, and current events. An interdisciplinary approach will be utilized to address the diversity and complexity of the study of Africa and its peoples.

INST 213 - Magic in Arts/Humanities

Credits: 3

A survey of world magic, its origins and influence on literature, architecture, art, music, theatre, film, religion, and medicine from antiquity to present.

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

INST 302 - Travel Writing

Credits: 3

An in-depth study of travel writing, culture, and politics of field study, with original travel writing. Students will read essays written by travelers as well as postcolonial theory of travel writing, do directed research in the culture of choice and travel, and write, revise, and complete four essays associated with travel and study abroad. May be taken online during the semester of study abroad. Students taking the course while studying abroad will use email or blackboard for peer review, editing, and exchange of research and original materials.

Prerequisite(s): consent of instructor.

INST 371 - Non-Western World Literature

Credits: 3

Readings in the literature and literary theory of the non-Western World. This course engages in detailed analysis of key texts written in English or English translation. Readings may be selected from the literatures of Asia, Africa, the Caribbean and the Middle East.

Prerequisite(s): ENG 201 and sophomore standing.

Cross-Listed: Cross-listed with ENG 371.

INST 372 - Western World Literature

Credits: 3

Readings in the literature and literary theory of the Western World, excluding Great Britain and the United States. This course engages in detailed analysis of key texts in English translation. Readings may be selected from the literatures of the European Continent, Western Hemisphere, and Post-colonial contexts.

Prerequisite(s): ENG 201 and Sophomore standing

Cross-Listed: Cross-listed with ENG 372

INST 470 - Special Topics in International, Interdisciplinary Studies

Credits: 3

A course designed for study of interdisciplinary special topics with an international context.

Prerequisite(s): Junior or senior standing and permission of instructor.

Repeatability: May be taken as often as topics vary.

INST 473 - International Law

Credits: 3

A systematic study of the origins, objects, sources, and theories of international law. Foremost in importance is the aim to enable students to analyze basic premises and principles of international law and to develop an awareness of the major international legal problems.

Prerequisite(s): POLS 271.

Cross-Listed: POLS 473.

INST 480 - Internship in International Studies

Credits: 3-6

This course grants credit for internships related to the International Studies major.

Prerequisite(s): Junior or senior standing and consent of instructor and program director.

Repeatability: Course may be repeated for up to six hours of credit.

INST 490 - Independent Study in International Studies

Credits: 3

This course includes research in a specific area of interdisciplinary, international studies culminating in an analytical paper.

Prerequisite(s): Consent of instructor.

Repeatability: May be repeated for up to six hours of credit.

INST 497 - International Studies Capstone

Credits: 3

An in-depth interdisciplinary study of a variety of topics within the field of International Studies. Coursework requires submission of a cumulative portfolio exhibiting work from previous courses taken in the major.

Prerequisite(s): INST 101 and junior or senior standing, and by permission of instructor.

INST 499 - International Field Experience

Credits: 3

Intensive field experience in a contractual activities involving research, education, or applied studies focus.

Prerequisite(s): consent of instructor.

IPH 401 - Interprofessional Perspectives on Global Health

Credits: 3

This course will introduce students to interprofessional perspectives on global health in four broad modules: Globalization, Health, Systems and Policy. The course will draw from a range of academic disciplines at USI and from the Office of International Programs and International Partner universities. The applications from each module will situate the concept and practice of global health as a statement that health is a fundamental quality of liberty and equity.

USI Core 39: Embedded Experience-Global.

Prerequisite(s): Must have completed 45 hours or more.

JPN 101 - Beginning Japanese I

Credits: 3

Fundamentals of Japanese; no previous Japanese required. Emphasis on the four language skills of listening, speaking, reading, and writing in the cultural context of Japan. In addition to regular class meetings, students are required to complete one hour per week in the language lab.

USI Core 39: World Languages-BA; World Language and Culture-BS; Embedded Experience Diversity.

Term(s) Offered: Fall

JPN 102 - Beginning Japanese II

Credits: 3

Fundamentals of Japanese; continuation of JPN 101. Emphasis on the language skills of listening, speaking, reading, and writing

in the cultural context of Japan. In addition to regular class meetings, students are required to complete one hour per week in the language lab.

USI Core 39: World Languages-BA; World Language and Culture-BS; Embedded Experience Diversity.

Prerequisite(s): JPN 101 or consent of instructor.

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

Term(s) Offered: Spring

JPN 203 - Intermediate Japanese I

Credits: 3

A continuation of JPN 102. Emphasis on the four language skills of listening, speaking, reading, and writing in the cultural context of Japan. In addition to regular class meetings, students are required to complete one hour per week in the language lab.

USI Core 39: World Languages-BA; World Language and Culture-BS; Embedded Experience Diversity.

Prerequisite(s): JPN 102 or consent of instructor.

Term(s) Offered: Fall

JPN 204 - Intermediate Japanese II

Credits: 3

A continuation of JPN 203. Emphasis on the four language skills of listening, speaking, reading, and writing in the cultural context of Japan. In addition to regular class meetings, students are required to complete one hour per week in the language lab.

USI Core 39: Ways of Knowing-World Languages and Culture; World Languages-BA; World Language and Culture-BS; Embedded Experience-Diversity.

Prerequisite(s): JPN 203 or consent of instructor.

Term(s) Offered: Spring

JPN 205 - Cultural Contexts for Conversation

Credits: 3

Intensive oral practice of Japanese on the intermediate level. Topics include Japanese popular culture, current events, work, and travel.

Prerequisite(s): JPN 203 or consent of instructor.

Concurrent (may be taken at same time): May be taken concurrently with JPN 204 or JPN 306.

JPN 255 - Japanese Civilization

Credits: 3

Study of Japanese civilization, emphasizing developments in language, literature, philosophy, the arts, politics, traditions, and institutions from the early stages to the present. (Course taught in English)

JPN 306 - Advanced Japanese I

Credits: 3

A continuation of JPN 204. Emphasis on the four language skills of listening, speaking, reading, and writing in the cultural context of Japan. In addition to regular class meetings, students are required to complete one hour per week in the language lab.

USI Core 39: Ways of Knowing-World Languages and Culture; Embedded Experience-Diversity.

Prerequisite(s): JPN 204 or consent of instructor.

Term(s) Offered: Fall

JPN 307 - Advanced Japanese II

Credits: 3

A continuation of JPN 306. Emphasis on the four language skills of listening, speaking, reading, and writing in the cultural context of Japan. In addition to regular class meetings, students are required to complete one hour per week in the language lab.

Prerequisite(s): JPN 306 or consent of instructor.

Term(s) Offered: Spring

JPN 499 - Individual Study in Japanese

Credits: 1-3

Research or advanced study in a specific area of Japanese, literature, culture, education, or language, culminating in an analytical paper or comprehensive exam.

Prerequisite(s): Approval of department chairperson.

Repeatability: May be taken for up to six credit hours.

JRN 180 - Journalism Workshop

Credits: 1

Credit for adequate work toward final publication of The Shield newspaper, its Internet site, or for an approved CAP course,

doing writing, editing, photography, layout, graphics, sales, and/or management.

Repeatability: Students may earn up to three hours credit for this course, but may enroll for no more than one credit hour per semester. No more than three credit hours may be applied to a major or minor in Communications.

Term(s) Offered: Fall, Spring

JRN 273 - Digital Photography

Credits: 3

Development in basic skills of mass media photography in a digital environment. Students will use a digital camera to take color photographs and then crop, edit, and produce those photographs in a digital computer laboratory. Emphasis will be on the needs of professional photography as used in print and electronic media. Ownership of or access to an acceptable digital camera is required. No camera phones allowed.

Term(s) Offered: Fall, Spring

JRN 281 - Basic Reporting

Credits: 3

Basic fundamentals of how to gather and report news events for the mass media in such a way as to be meaningful to the public. Stress is on the need for developing writing skills, learning technical terms, writing feature stories and other materials in a newspaper.

Term(s) Offered: Fall, Spring

JRN 371 - Advanced Photography

Credits: 3

Students will develop advanced skills in news judgment, composition, composites, animation, and special effects photography. They will learn how to design web pages that use interactive sites and 360-degree photo techniques and will produce a portfolio of digital images.

Prerequisite(s): JRN 273 (grade of C or better), and ENG 101 (grade of C or better) and ENG 201 (grade of C or better) or consent of instructor.

JRN 374 - Internet Communications

Credits: 3

History of Internet, how it works, how to do effective data searches, building web sites and home pages, establishing links, importing graphics, effective layout and design, scanning photos, doing in-depth research, ethics, legal concerns, and specialty uses.

Prerequisite(s): JRN 281 (grade of C or better), or ADV 347 (grade of C or better), or CMST 301 (grade of C or better), or PRL

362 (grade of C or better), or RTV 256 (grade of C or better), or consent of instructor.

Term(s) Offered: Fall, Spring

JRN 381 - Advanced Reporting

Credits: 3

An advancement of skills and knowledge gained in basic reporting. Students will concentrate on covering specific beats and generating their own news stories. They will be responsible for assigned beats, learn how to develop sources, and track down rumors as part of the beat reporting process. In addition, students will discuss journalistic issues such as libel, ethics, plagiarism, invasion of privacy, and investigative techniques.

Prerequisite(s): COMM 192 (grade of C or better) and JRN 281 (grade of C or better) and ENG 101 (grade of C or better) and ENG 201 (grade of C or better).

Term(s) Offered: Fall

JRN 383 - Editorial Writing

Credits: 3

Instruction and practice in writing editorials. Lectures, readings, and reports directed toward discovering, gathering, organizing, and writing opinion page material.

Prerequisite(s): ENG 101 (grade of C or better) and ENG 201 (grade of C or better).

Term(s) Offered: Fall

JRN 384 - Feature Writing

Credits: 3

Instruction and practice in writing feature articles for newspapers and magazines. Students will be directed to submit articles for publication in magazines.

Prerequisite(s): ENG 101 (grade of C or better) and ENG 201 (grade of C or better) and junior standing or consent of instructor.

Term(s) Offered: Fall, Spring, Summer

JRN 385 - Supervision of Student Publication

Credits: 3

This course covers the problems generally faced in supervision of newspapers, magazines, yearbooks, and other publications.

Prerequisite(s): ENG 201 (grade of C or better).

Term(s) Offered: Fall, Spring

JRN 386 - Editing and Layout

Credits: 3

Study of the entire print reproduction process from idea formulation to designer's drawing board to the printer's finished product. Stressed is the fitting of copy into specific layout spaces, headline writing, art and photo reduction, and overall publications make-up.

Prerequisite(s): JRN 281 (grade of C or better) and ENG 101 (grade of C or better and ENG 201 (grade of C or better).

Term(s) Offered: Fall, Spring

JRN 388 - Online Journalism

Credits: 3

As traditional media move to the Internet, the skills of journalism students must expand to meet the more intense demands of the Internet. The course will show how traditional newsrooms are merging with web products.

Prerequisite(s): ENG 101 (grade of C or better) or ENG 201 (grade of C or better).

Term(s) Offered: Spring

JRN 400 - Independent Study in Journalism

Credits: 1-3

This course is designed to provide an opportunity for upper-division communications majors and minors to research subject areas in the field of journalism. A maximum of six hours may be taken; only three may be taken in any one semester. Students who wish to take independent study courses in the journalism curriculum should be aware of the following points: 1) Only six hours of independent study may apply toward a major in communications; 2) No more than three hours of Journalism 400 may be directed by the same instructor; 3) Students wishing to enroll in independent study courses must receive written permission from their instructors prior to registration.

Prerequisite(s): ENG 101 (grade of C or better) or ENG 201 (grade of C or better), upper division status, and written consent of instructor.

Term(s) Offered: Fall, Spring, Summer

JRN 473 - Photojournalism

Credits: 3

The course will focus on the role of photography in mass communication, particularly print and Internet products. Students will study the process of combining text, graphics, and photographs to produce messages. Students will expand on the skills in earlier

classes and produce products including many photographs, such as the photograph essay in a journalism or mass media context. Students will process color digital photography products through computers and modern software.

Prerequisite(s): ENG 101 (grade of C or better), ENG 201 (grade of C or better) and JRN 273 (grade of C or better) or consent of instructor.

JRN 481 - Reporting Public Affairs

Credits: 3

A journalism capstone course designed to polish the reporting skills of journalism majors. Course work, writing assignments, and class lectures and discussions will focus on the covering of local and state government, the judicial system, the local and state legislative process, and regional agencies. Each student will produce an in-depth, current news series or package on an issue or topic of current interest.

Prerequisite(s): COMM 192 (grade of C or better), JRN 281 (grade of C or better), and JRN 381 (grade of C or better), ENG 101 (grade of C or better), and ENG 201 (grade of C or better).

Term(s) Offered: Spring

JRN 484 - Literary Journalism

Credits: 3

This course is about the presentation of legitimate news subjects and materials in a format that borrows strongly from the techniques of feature writing and fiction. Students will be exposed to some of the best examples of published literary journalism. Students will write papers analyzing the reading and write several small news stories in this format.

Prerequisite(s): JRN 281, (grade of C or better), ENG 101 (grade of C or better), and ENG 201 (grade of C or better), or consent of instructor.

JRN 488 - Digital Storytelling

Credits: 3

This course is about the expression of news using digital tools, such as web authoring, image processing, drawing, and animation software, to involve audiences in novel ways through interactivity and immersion. Students will be exposed to digital forms and presentations of news that exploit the strengths of the new medium.

Prerequisite(s): JRN 374 (grade of C or better), ENG 101 (grade of C or better), and ENG 201 (grade of C or better).

JRN 489 - Internship in Journalism

Credits: 1-3

Offers students job experience in the discipline through a minimum of 50 hours of supervised professional work per credit hour.

Prerequisite(s): junior standing and consent of instructor.

Repeatability: repeatable to a maximum of 3 hours.

Term(s) Offered: Fall, Spring, Summer

JRN 496 - Media Ethics

Credits: 3

This course focuses on the importance of ethical journalism in a free society and the impact of press coverage on sources, victims, news consumers, and journalists. Students will study the ethical dimensions of responsible journalism; analyze ethical problems; recognize cultural stereotypes; and learn how to ensure that the voices of both mainstream America and traditionally under-reported groups are heard in media reports.

Prerequisite(s): junior standing.

JRN 499 - Special Topics

Credits: 3

Topics will vary. Purpose of course is to cover topics that are not specific courses in the curriculum.

Prerequisite(s): junior standing.

Repeatability: Course may be repeated once if the topic is different from the one previously taken. Students may repeat this course provided the topic is different. Only six hours toward the major.

Term(s) Offered: Fall, Spring, Summer

KIN 112 - Badminton

Credits: 1

KIN 114 - Golf

Credits: 1

KIN 118 - Table Tennis

Credits: 1

KIN 122 - Bowling

Credits: 1

KIN 123 - Tennis

Credits: 1

KIN 124 - Rock Climbing

Credits: 1

KIN 125 - Advanced Rock Climbing

Credits: 1

Prerequisite(s): KIN 124

KIN 132 - Softball

Credits: 1

KIN 134 - Volleyball

Credits: 1

KIN 137 - Basketball

Credits: 1

KIN 138 - Soccer

Credits: 1

KIN 141 - Beginning Swimming

Credits: 1

KIN 142 - Advanced Swimming

Credits: 1

KIN 143 - Aquatic Exercise

Credits: 1

KIN 145 - Scuba

Credits: 1

KIN 151 - Introduction to Karate

Credits: 1

KIN 155 - Dance Activities

Credits: 1

KIN 161 - Fishing

Credits: 1

KIN 162 - Hiking and Outdoor Education

Credits: 1

KIN 163 - Sailing

Credits: 1

KIN 181 - Aerobics

Credits: 1

KIN 182 - Weight Training

Credits: 1

KIN 183 - Aerobic Dance

Credits: 1

KIN 185 - Step Aerobics

Credits: 1

KIN 186 - Wellness/Fitness Appraisal

Credits: 1

Students will assess present level of physical fitness and wellness and establish behavior modification strategies to address areas which need improvement. Topics of discussion include nutrition, weight control, components of physical fitness, stress management, tobacco use and addictive behaviors, and sexually transmitted diseases.

Term(s) Offered: Fall, Spring, Summer

KIN 188 - Introduction to Kinesiology and Sport

Credits: 2

Orientation to career opportunities in physical education, exercise science and sport-related fields. Examination of sociological, historical, and philosophical foundations, current issues and trends.

Term(s) Offered: Fall, Spring, Summer

KIN 192 - Concepts in Wellness and Fitness

Credits: 1

This course will provide students with the opportunity to develop skills to live more wisely through wellness/fitness knowledge, current status, opportunities, and assessments. The students will learn about the importance of wellness/fitness in their everyday lives. Students will have the opportunity to customize their own behavioral plans for wellness/fitness. Areas of study include body composition, cardiorespiratory health, nutrition, weight management, and substance abuse.

USI Core 39: Foundations-Physical Activity and Wellness.

KIN 199 - Special Activities

Credits: 1

Topics include: Yoga, Boot camp, Pilates, Zumba, Spinning, Taekwondo, Backpacking, Canoeing, and Fitness Walking and Cardio Kickboxing

KIN 232 - Officiating of Baseball

Credits: 1

An in-depth look at the mechanics, rules, and officiating techniques for each sport with emphasis on high school interscholastic participation. The IHSAA or appropriate licensing examination may be taken at the completion of each course. An additional fee will be charged for administration of exam.

KIN 234 - Officiating of Volleyball

Credits: 1

An in-depth look at the mechanics, rules, and officiating techniques for each sport with emphasis on high school interscholastic participation. The IHSAA or appropriate licensing examination may be taken at the completion of each course. An additional fee will be charged for administration of exam.

KIN 237 - Officiating of Basketball

Credits: 1

An in-depth look at the mechanics, rules, and officiating techniques for each sport with emphasis on high school interscholastic participation. The IHSAA or appropriate licensing examination may be taken at the completion of each course. An additional fee will be charged for administration of exam.

KIN 238 - Officiating of Soccer

Credits: 1

An in-depth look at the mechanics, rules, and officiating techniques for each sport with emphasis on high school interscholastic participation. The IHSAA or appropriate licensing examination may be taken at the completion of each course. An additional fee will be charged for administration of exam.

KIN 244 - Lifeguard Training

Credits: 2

ARC certification in lifeguarding.

Prerequisite(s): Swim 300 yards continuously, using these strokes in the following order: 100 yards of front crawl using rhythmic breathing and a stabilizing, propellant kick; rhythmic breathing can be performed either by breathing to the side or to the front; 100 yards of breaststroke; 100 yards of either front crawl using rhythmic breathing or breaststroke or a mixture of front crawl and breaststroke. Swim 20 yards using front crawl or breaststroke, surface dive to a depth of seven-10 feet, retrieve a 10-pound object, return to the surface, and swim 20 yards back to the starting point with the object and exit the water without using a ladder or steps, within one minute, 40 seconds. When returning to the starting point, the participant's face must remain above the water and the participant must hold the 10-pound object with both hands.

Term(s) Offered: Spring

KIN 281 - Personal Health Science

Credits: 3

Examination of attitudes, research facts, and misconceptions pertaining to personal health needs and practices. Topics include but are not limited to nutrition, family living, sexuality, drug use and abuse, disease prevention, safety, first aid, and public health resources. NC1

USI Core 39: Foundations-Physical Activity & Wellness.

Term(s) Offered: Fall, Spring, Summer

KIN 282 - CPR and Sports Injury Prevention

Credits: 2

Course includes sports injury prevention, first aid and CPR training. Skill training provided for certification in First Aid, Adult, Infant, and Child CPR/AED.

This course is part of the Core Transfer Library (CTL).

Indiana Statewide Common Course #: IHP 1401.

Term(s) Offered: Fall, Spring, Summer

KIN 283 - Field Experience in Sport and Exercise

Credits: 1

Provides students with practical experiences in sport and exercise related fields. Students have the opportunity to observe professionals at work and learn about the basic operations of a facility and about programs and services offered.

Prerequisite(s): Must be a declared exercise science, kinesiology, sport management, or health professions major.

Term(s) Offered: Fall, Spring

KIN 284 - Stress Management

Credits: 2

A study of the elements which manifest stress, its impact, and strategies to minimize its effect on daily life.

KIN 285 - Technology in Kinesiology and Sport Professions

Credits: 3

Explores the use of a variety of discipline specific technology related to the fields of Exercise Science, Sport Management, Kinesiology and Physical Education. Topics will include effective use of Word, PowerPoint, Excel, and Publisher as productivity and promotional tools for health related professions. Students will also develop skills and an understanding of the appropriate use, design, and development of technology related resources.

KIN 286 - Safety Education

Credits: 2

This course is designed to examine the hazards present in all aspects of modern life that may produce property damage, injury, and/or illness. The activities of transportation, recreation, education, and home living are assessed for safety. Intervention strategies are presented. NO1

Term(s) Offered: Summer

KIN 291 - Motor Behavior

Credits: 2

A study of the motor development of children through adolescence, their motor learning capabilities, and the factors which influence skill acquisition, retention, and transfer.

Term(s) Offered: Spring, Summer

KIN 304 - Research Methods in Kinesiology and Sport

Credits: 3

This course will explore the identification and evaluation of research problems within the fields of kinesiology and sport. Students will engage in the interpretation of research in sport management, exercise science, human movement science, leisure, and athletic training; and will learn basic statistical analysis and interpretation. Attention will be paid to the research process including research design, data collection methods and dissemination of pertinent results.

Prerequisite(s): Foundational core MATH course.

Cross-Listed: SPTM 304

KIN 342 - Water Safety Instructor

Credits: 2

Students will receive preparation for certification as an American Red Cross water safety instructor.

Prerequisite(s): 16 years old, possess a Fundamentals of Instructor Training (FIT) Certificate, completed a precourse session.

KIN 385 - Methods of Group Exercise Instruction

Credits: 3

Students will learn to teach exercise routines for a group setting. The course will serve to assist students in preparing for group exercise certification.

Prerequisite(s): Sophomore standing.

Term(s) Offered: Fall, Spring

KIN 390 - Special Topics in Kinesiology

Credits: 1-3

A study of selected topics of current interest and importance in kinesiology. These topics may include opportunities for students to complete research, participate in experiential learning experiences, and a wide variety of learning activities in accordance with the interests and importance of kinesiology and sport.

KIN 393 - Practicum in Kinesiology

Credits: 3

Provides students with practical experience in kinesiology-related fields. Students have the opportunity to observe professionals on campus at the Recreational, Fitness, and Wellness Center, learn about personal training and group exercise programs, and basic operations of a facility.

Prerequisite(s): KIN 283 and Junior Standing

KIN 432 - Coaching Baseball

Credits: 2

The components of coaching each sport will be analyzed from the perspective of the coach. Topics will include conditioning, fundamentals, team strategy, tournaments, meets and matches, and rules and their application to game play.

KIN 434 - Coaching Volleyball

Credits: 2

The components of coaching each sport will be analyzed from the perspective of the coach. Topics will include conditioning, fundamentals, team strategy, tournaments, meets and matches, and rules and their application to game play.

KIN 437 - Coaching Basketball

Credits: 2

The components of coaching each sport will be analyzed from the perspective of the coach. Topics will include conditioning, fundamentals, team strategy, tournaments, meets and matches, and rules and their application to game play.

KIN 438 - Coaching Soccer

Credits: 2

The components of coaching each sport will be analyzed from the perspective of the coach. Topics will include conditioning, fundamentals, team strategy, tournaments, meets and matches, and rules and their application to game play.

KIN 485 - Methods of Personal Training

Credits: 3

This course introduces students to methods of personal training in helping students learn how to work with clients during the initial consultation process, the design of appropriate cardiovascular, strength, and flexibility training programs, and proper orientation techniques.

Prerequisite(s): EXSC 397

Term(s) Offered: Fall

KIN 492 - Contemporary Issues in Sport and Exercise

Credits: 3

Enables students to integrate information from their educational experiences to critically examine and analyze contemporary issues in sport and exercise from an interdisciplinary perspective. Current issues, trends, and challenges are presented with the intent of provoking thorough and stimulating debate so students may identify their role in the resolution of issues.

USI Core 39: Embedded Experience-Global.

Term(s) Offered: Fall, Spring, Summer

KIN 495 - Personal Training Certification Review

Credits: 3

This certification review course will be a review of design with exercise program guidelines and variables: protocols for building aerobic, resistance, and flexibility training programs; and guidance on how to build clientele through professional development. This course is designed to prepare students to sit for a personal training certification exam.

Prerequisite(s): BIOL 121, BIOL 122, and KIN 485.

Term(s) Offered: Summer

KIN 499 - Practicum in Physical Education

Credits: 3-5

Practical experience in an area of professional preparation.

Prerequisite(s): Must have completed required courses in major.

Grading: Satisfactory/Unsatisfactory.

Term(s) Offered: Fall, Spring, Summer

LATN 101 - Beginning Latin I

Credits: 3

Fundamentals of the language will be taught through a multiple approach (comprehension, reading, and composition). The class will be conducted in English with emphasis placed on acquiring the ability to read and comprehend written Latin.

USI Core 39: World Languages-BA; World Language and Culture-BS; Embedded Experience Diversity.

Term(s) Offered: Fall

LATN 102 - Beginning Latin II

Credits: 3

Continuation of LATN 101. Continued development of Latin grammar, syntax, vocabulary, and reading skills. Introduction to major Roman literary figures and themes of Roman culture.

USI Core 39: World Languages-BA; World Language and Culture-BS; Embedded Experience Diversity.

Prerequisite(s): LATN 101 or consent of instructor.

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

Term(s) Offered: Spring

LATN 203 - Intermediate Latin I

Credits: 3

A thorough review of Latin grammar, syntax, vocabulary, and reading skills. Readings in Latin prose and poetry will provide students with an understanding of Roman culture and literature.

USI Core 39: World Languages-BA; World Language and Culture-BS; Embedded Experience Diversity.

Prerequisite(s): LATN 102 or consent of the instructor.

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

Term(s) Offered: Fall

LATN 204 - Intermediate Latin II

Credits: 3

Continuation of LATN 203. Review of grammar and syntax will include concepts not covered in LATN 203. An emphasis on reading Latin prose and poetry to develop students' interpretative skills.

USI Core 39: Ways of Knowing-World Languages and Culture; World Languages-BA; World Language and Culture-BS; Embedded Experience-Diversity.

Prerequisite(s): LATN 203 or consent of the instructor.

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

Term(s) Offered: Spring

LATN 390 - Independent Study in Latin

Credits: 3

Independent study of directed readings, either of the prose author (e.g., Cicero) or Latin poet (e.g., Virgil).

Prerequisite(s): LATN 204 (grade of B or better) and consent of the instructor.

Repeatability: This course is repeatable for up to six hours.

LIBA 290 - Special Topics in Liberal Arts

Credits: 3-6

A course designed for introductory-level interdisciplinary special topics in the liberal arts.

Repeatability: May be repeated for different topics.

Term(s) Offered: Fall, Spring, Summer

LIBA 490 - Advanced Special Topics in Liberal Arts

Credits: 3-6

A course designed for advanced-level interdisciplinary special topics in the liberal arts.

Prerequisite(s): junior standing or consent of instructor.

Repeatability: May be repeated for different topics.

Term(s) Offered: Fall, Spring, Summer

LIBA 497 - Capstone Studies

Credits: 3

This is a senior-level seminar course. Topics will change from semester to semester, but each offering will encourage students to draw on their educational experiences to develop interdisciplinary responses to a problem or issue in contemporary life. Open to students of any major or college.

Prerequisite(s): senior standing or consent of instructor.

Term(s) Offered: Fall, Spring, Summer

MATH 100 - Intermediate Algebra

Credits: 3

Concepts from elementary algebra, functions, properties of exponents, operations with polynomials, rational and algebraic expressions, and solutions to equations and inequalities.

Prerequisite(s): GENS 097 (grade of B or better) or satisfactory placement score.

Term(s) Offered: Fall, Spring, Summer

MATH 101 - Intermediate Algebra Supplement

Credits: 1

This course is a supplement to MATH 100; topics include concepts from elementary algebra. Concurrent enrollment in the corresponding section of MATH 100 is required. This supplemental course is mandatory for students who have not been successful (C or better) in MATH 100 after having attempted it twice or for students who were placed into GENS 097 and did not pass it on the first attempt.

Term(s) Offered: Fall, Spring

MATH 103 - Mathematics for Elementary Teachers I

Credits: 3

This course is the first course in a two-course sequence designed to enhance the conceptual understanding and processes of the common content in elementary mathematics curricula. Topics include problem solving, counting, the structure of the decimal system and procedural and conceptual understanding of the four basic operations on whole numbers, decimals and fractions. The use of manipulatives and technology will support learning and teaching in these and other topics studied. Enrollment is only open to students seeking a degree in elementary education or a related degree.

Prerequisite(s): C or better in MATH 100 or satisfactory placement score.

MATH 107 - Fundamentals of Mathematics for Nursing

Credits: 4

This course focuses on understanding the mathematics required for nursing. Topics include algebraic concepts and procedures (equations, ratios, proportions, percentage problems, formulas, logarithmic calculations), geometric concepts and procedures (systems of measurements and conversions, area, volume), problem-solving techniques (modeling, dosage calculations, flow-rate calculations, angle measurements) and an introduction to statistical methods and procedures (measures of central tendency, constructing and interpreting graphs, range, standard deviation and coefficient of variation, normal distributions). This online course is open only to persons with an Associate's Degree in nursing who have completed at least one semester of intermediate algebra and who are seeking a BS or MS degree in nursing.

USI Core 39: Foundations-Mathematics/Quantitative Reasoning.

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

MATH 108 - Survey of Mathematics

Credits: 4

A survey of contemporary topics in mathematics designed to introduce students to thinking processes developed in mathematics. Scientific calculators will be used.

Prerequisite(s): MATH 100 (grade of C or better) or satisfactory placement score.

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

Term(s) Offered: Fall, Spring, Summer

MATH 111 - College Algebra

Credits: 4

Topics to be emphasized include polynomials, rational algebraic expressions, graphs, inequalities, theory of equations, and matrices. Special attention is focused on functions and the utilization of appropriate technology.

USI Core 39: Foundations-Mathematics/Quantitative Reasoning.

Prerequisite(s): MATH 100 (grade of C or better) or satisfactory placement score.

This course is part of the Core Transfer Library (CTL).

Indiana Statewide Common Course #: IMA 1601.

Term(s) Offered: Fall, Spring, Summer

MATH 112 - Trigonometry

Credits: 3

Emphasis is placed upon trigonometric functions, their properties, applications, and graphs, as well as trigonometric identities, solutions of triangles, trigonometric equations and vectors. This course does not apply toward the major or minor in mathematics.

Prerequisite(s): MATH 100 (grade of C or better) or satisfactory placement score.

This course is part of the Core Transfer Library (CTL).

Indiana Statewide Common Course #: IMA 1608.

Note: A TI-83, TI-83 Plus, or TI-84 graphing calculator is required for this course.

Term(s) Offered: Fall, Spring

MATH 114 - Quantitative Reasoning

Credits: 3

This course is designed as a foundational experience in quantitative reasoning that will employ real world applications for students to enhance their skills as problem solvers, critical thinkers, informed decision makers and intelligent consumers of quantitative information. The course addresses a diverse set of mathematical topics including logic, data analysis, probability, linear and exponential models, personal finance, geometry and graph theory.

USI Core 39: Foundations-Mathematics/Quantitative Reasoning.

Prerequisite(s): MATH 100 (grade of C or better) or satisfactory placement score.

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

MATH 115 - Pre-Calculus Mathematics

Credits: 3

Advanced topics in algebra plus selected topics in trigonometry and elementary functions (polynomials, rational, algebraic, exponential, logarithmic, and trigonometric) are studied with emphasis upon notation, properties, operations, and graphs of functions and their inverses.

Prerequisite(s): MATH 111 (grade of C or better) or satisfactory placement score. Students with minimal knowledge of trigonometry may enroll concurrently in MATH 112.

Term(s) Offered: Fall, Spring

MATH 118 - Comprehensive Pre-Calculus

Credits: 5

This course is designed for students planning to enroll in MATH 230 - Calculus I. The study of functions (polynomial, rational, exponential, logarithmic, algebraic, and trigonometric) forms the foundation for this course. This course will promote the development of algebraic and analytic skills as well as conceptual understanding.

Prerequisite(s): MATH 100 (grade of B or better) or MATH 111 or satisfactory placement score.

Term(s) Offered: Fall, Spring, Summer

MATH 122 - Analytic Geometry

Credits: 4

Emphasis is placed on two- and three dimensional coordinate geometry, lines, circles, conic sections, planes, spheres, surfaces, and basic properties of vectors.

Prerequisite(s): MATH 111 and MATH 112 (grades of C or better), or satisfactory placement score.

MATH 202 - Mathematical Concepts for Preschool through Primary Teachers

Credits: 4

This course includes extensions of the fundamental concepts studied in MATH 103 with emphasis on the procedures as they relate to the early-elementary student. Topics include processes in advanced counting, the four basic operations, elementary fractions, decimals, probability, statistics, angles and other geometric concepts beyond shapes. The use of manipulatives and technology will support the teaching and learning for this course. Enrollment is open only to students in the Early Childhood Program.

Prerequisite(s): MATH 103 (grade of C or better).

MATH 203 - Mathematics for Elementary Teachers II

Credits: 4

This course is the second in a two-course sequence designed to enhance the conceptual understanding and processes of the common content in elementary mathematics curricula. Topics include proportional reasoning, algebraic reasoning, geometry, measurement, data analysis, and probability. The use of manipulatives and technology will support learning and teaching of the topics studied. Enrollment is only open to students seeking a degree in elementary education or a related degree.

USI Core 39: Ways of Knowing-Scientific and Mathematical Inquiry.

Prerequisite(s): MATH 103 (grade of C or better).

MATH 213 - Algebraic Concepts for Teachers

Credits: 3

This course is designed to develop conceptual understandings for topics in algebra and number theory. The study of sequences, the binomial theorem, fundamental theorem of arithmetic, modular arithmetic, systems of linear equations, matrix arithmetic and algebra, and matrices will be covered in this course; the use of manipulatives and technology will support the teaching and learning of these topics.

Prerequisite(s): MATH 111, MATH 115 or MATH 118 with a grade of C or better, and MATH 203 with a grade of C or better.

MATH 215 - Survey of Calculus

Credits: 3

An introduction to calculus and its applications in business, economics, and the social sciences. Not applicable to the mathematics major or minor; this course is applicable to the elementary and junior/middle school math minor.

USI Core 39: Foundations-Mathematics/Quantitative Reasoning.

Prerequisite(s): MATH 111 (grade of C or better).

This course is part of the Core Transfer Library (CTL).

Indiana Statewide Common Course #: IMA 1604.

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

Term(s) Offered: Fall, Spring, Summer

MATH 230 - Calculus I

Credits: 4

The theory of limits, differentiation, successive differentiation, the definite integral, indefinite integral, and applications of both the derivative and integral.

USI Core 39: Foundations-Mathematics/Quantitative Reasoning.

Prerequisite(s): MATH 115 (grade of C or better), MATH 118 (grade of C or better), or satisfactory placement score.

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

Term(s) Offered: Fall, Spring, Summer

MATH 235 - Calculus II

Credits: 4

Integrating and differentiating transcendental functions, applications of the integral, numerical integration techniques, and infinite series.

Prerequisite(s): MATH 230 (grade of C or better)

This course is part of the Core Transfer Library (CTL).

Indiana Statewide Common Course #: IMA 1603.

Term(s) Offered: Fall, Spring, Summer

MATH 236 - Geometry and Measurement for Teachers

Credits: 3

The course will provide opportunities to gain a deeper understanding of geometry as a study of size, shape and properties of space; a tool for problem solving; and a way of modeling physical situations. Topics include the study of logic, polygons, solids, Euclid's postulates, congruent figures, similarity, rigid motion and symmetry, vectors and transformation, and other geometries; the use of manipulatives and technology will support the teaching and learning of these topics.

Prerequisite(s): MATH 111, MATH 115 or MATH 118 with a grade of C or better, and MATH 203 with a grade of C or better.

MATH 238 - Data Analysis and Probability for Teachers

Credits: 3

This course is designed to develop conceptual understanding for topics in data analysis and probability. The study of selecting and using appropriate statistical methods to analyze data, the developing and evaluating of inferences and predictions that are based on data, and the applying of basic concepts of probability will be covered in this class. The use of manipulatives and technology will support learning and teaching of the topics studied.

Prerequisite(s): MATH 213 with a grade of C or better.

MATH 241 - Principles of Statistics

Credits: 3

This course is an introduction to statistics including topics in probability, measures of central tendency and dispersion, estimation, hypothesis testing and regression.

USI Core 39: Ways of Knowing-Scientific and Mathematical Inquiry.

Prerequisite(s): MATH 111 or MATH 114.

Term(s) Offered: Fall, Spring

MATH 253 - Principles of Mathematical Logic

Credits: 3

Includes introductory topics in mathematical logic, combinatorics, analysis, mathematical proof, and problem solving.

USI Core 39: Ways of Knowing-Scientific and Mathematical Inquiry.

Prerequisite(s): Satisfactory placement score or MATH 111. May be taken concurrently with MATH 230.

Term(s) Offered: Fall, Spring

MATH 291 - Mathematics for Secondary Teachers

Credits: 3

This course was designed to enhance the conceptual and procedural understandings of the mathematics that is taught at the secondary level—number theory, algebra, geometry, functions, probability and statistics. Concepts and problems will be viewed from an advanced perspective where the students will investigate alternate definitions and approaches to mathematical ideas; consider proofs, extensions and generalizations of familiar theorems; investigate multiple approaches to problem solving, and study connections between topics from different courses. Understanding and communication of mathematical concepts and processes will be emphasized; the use of technology and manipulatives will be used when appropriate. This course will not serve as an upper-level mathematics elective for the major or minor in mathematics.

Prerequisite(s): MATH 253, grade of C or better.

MATH 323 - College Geometry

Credits: 3

An introduction to the foundations of geometry. Topics from finite, Euclidean, and non-Euclidean geometries are explored. Properties of polygons, convexity, and various geometric shapes are explored.

Prerequisite(s): MATH 235.

Term(s) Offered: Fall

MATH 331 - Mathematical Models with Applications

Credits: 3

Techniques from algebra, calculus, probability, and other areas of mathematics are employed to solve problems arising in the biological, physical, and social sciences.

Prerequisite(s): MATH 230 or consent of instructor.

MATH 335 - Calculus III

Credits: 4

Vectors in two- and three-dimensions, surfaces and space curves, partial differentiation, multiple integration with applications of each.

Prerequisite(s): MATH 235 (grade of C or better).

Term(s) Offered: Fall, Spring

MATH 353 - Discrete Mathematics

Credits: 3

Topics in discrete methods, combinations, graph theory, and finite algebraic structures will be studied. The applications of these topics in computer science, physical and life science, as well as in social sciences makes the course valuable for students in many majors.

Prerequisite(s): MATH 253.

MATH 362 - Linear Algebra

Credits: 3

Systems of linear equations, vector spaces, basic properties of matrices and determinants, linear transformations on a vector space, and canonical representations of a linear transformation.

Prerequisite(s): MATH 335.

Term(s) Offered: Fall, Spring

MATH 366 - Differential Equations

Credits: 3

Differential equations provides an introduction to solutions of ordinary differential equations with applications. Topics include first-order differential equations, second and higher order linear differential equations including the method of Laplace transform and linear systems of differential equations.

Prerequisite(s): MATH 335 (may be taken concurrently).

Term(s) Offered: Fall, Spring, Summer

MATH 375 - Interest Theory and Mathematical Finance

Credits: 4

This course is an introduction to interest theory and mathematical finance. Topics include calculation of interest and yield rates; present, future, discounted and accumulated values; and time intervals involved in cash flow transactions. Both continuous and discrete time models will be considered. This course provides the basic foundation for Exam FM administered jointly by the Society of Actuaries and Casualty Actuarial Society. This course does not satisfy the requirements for a degree in mathematics.

Prerequisite(s): MATH 235 (grade of C or better).

MATH 391 - The Teaching of Mathematics in Grades 5-12

Credits: 3

This course is designed to develop the pedagogical content knowledge and instructional practices necessary to teach mathematics in grades 5-12. Topics will include lesson planning, the use of technological and manipulative tools in the teaching and learning of mathematics, assessment methods, theories of learning mathematics, mathematical misconceptions of students in grades 5-12, and current research in mathematics education. This course will not serve as an upper-level mathematics elective for the major or minor in mathematics.

Prerequisite(s): MATH 291, C or better, MATH 323, C or better and junior status.

Term(s) Offered: Fall

MATH 392 - The Teaching of Elementary School Mathematics

Credits: 3

The materials, devices, and methods of teaching mathematics in the elementary schools.

Prerequisite(s): MATH 203 (grade C or better) and admission to Teacher Education Analysis Phase.

MATH 393 - Pedagogical Knowledge for Teaching Mathematics

Credits: 3

This course is designed to provide students interactive experiences to design and enact mathematics instruction in grades K-8 and to assess the development of the mathematics learners.

Prerequisite(s): MATH 392 with a grade of C or better.

MATH 410 - Introduction to Analysis

Credits: 3

A study of the real number system as a complete ordered field, completeness properties and their equivalences, function of a single real variable, continuity differentiability, uniform continuity, and the Riemann integral.

Prerequisite(s): MATH 335.

MATH 411 - Theory of Numbers

Credits: 3

Math 411, Theory of Numbers is an introduction to classical number theory. This course studies the fundamental properties of the integers and the solution of linear and quadratic equations over the integers. Topics include prime factorization, congruences, Diophantine equations, the theorems of Fermat and Euler, and quadratic reciprocity. The course is rich in material useful for the secondary teacher of mathematics.

Prerequisite(s): MATH 253 and MATH 335

MATH 412 - Modern Abstract Algebra I

Credits: 3

Abstract Algebra offers an introduction to the main ideas of abstract mathematics and algebraic structures. The primary focus of this course will be group theory with an introduction to ring and field theory. Emphasis of the course is placed on the writing and critiquing of mathematical proofs concerning algebraic structures.

Prerequisite(s): MATH 253 and MATH 362.

Term(s) Offered: Spring

MATH 414 - Modern Abstract Algebra II

Credits: 3

Rings, integral domains, fields, quaternions, including discussions of characterizations of integers, embedding theorems, polynomials, and extension fields.

Prerequisite(s): MATH 412.

MATH 426 - Point Set Topology

Credits: 3

Definition and properties of a topological space; continuous functions, and homeomorphisms, various topological properties such as compactness, separation, and connectedness; metric spaces.

Prerequisite(s): MATH 253 and MATH 335.

MATH 432 - Advanced Calculus

Credits: 3

Functions of several variables, transformations, multiple integrals, line and surface integrals, infinite series.

Prerequisite(s): MATH 335.

MATH 434 - Advanced Differential Equations

Credits: 3

Advanced Differential Equations continues the study of differential equations. Topics include systems of ordinary differential equations, boundary value problems, non-linear and partial differential equations. An emphasis is placed on theoretical understanding of differential equations and their solution using numerical and approximation techniques.

Prerequisite(s): MATH 362 and MATH 366.

MATH 436 - Intermediate Statistics and Quality

Credits: 3

This course will include topics such as multiple regression, regressor significance tests, variable selection methods model adequacy and complications caused by multicollinearity. Additional topics will be Analysis of Variance (ANOVA), statistical quality control and nonparametric statistical methods. This course will not satisfy one of the upper-level math electives.

Prerequisite(s): MATH 438 and MATH 441 or ENGR 305.

MATH 437 - Numerical Analysis

Credits: 3

A survey of current methods in numerical analysis. Topics will include polynomial approximation and interpolation, numerical differentiation and integration, numerical solutions of differential equations, functional approximation, solution of linear and nonlinear equations, and matrix methods for inverse and eigenvalue problems.

Prerequisite(s): MATH 335.

Cross-Listed: (Dual listed as CS 437)

MATH 438 - Theory of Probability

Credits: 3

Probability theory as applied to mathematical models of random events, independent and dependent events, numerical-valued events, mean and variance of a probability law, normal and Poisson probability laws, and random variables.

Prerequisite(s): MATH 335.

Term(s) Offered: Fall

MATH 441 - Mathematical Statistics

Credits: 3

Basic empirical and theoretical frequency distributions, analysis of variance, elementary sampling theory, hypothesis testing, confidence intervals, statistical inference, correlation, and regression.

Prerequisite(s): MATH 335 and MATH 438.

Term(s) Offered: Spring

MATH 475 - Regression and Time Series

Credits: 3

This course is an introduction to regression and time series. Topics related to regression include simple and multiple regression, hypothesis testing, confidence and prediction intervals, model building and diagnostic checking. Topics related to time series include non-seasonal and seasonal time series, autocorrelation, Box-Jenkins models, parameter estimation, diagnostic checking, and forecasting.

Prerequisite(s): MATH 438 or consent of instructor.

MATH 492 - History of Mathematics

Credits: 3

An examination of the historical development of the main concepts, techniques, and areas of mathematics along with the originating cultures and key personalities.

Prerequisite(s): MATH 412.

Term(s) Offered: Spring

MATH 499 - Special Topics in Mathematics

Credits: 1-3

By consent of instructor and approval of the chair of the mathematics department.

Term(s) Offered: Fall, Spring

ME 225 - Thermodynamics

Credits: 3

Introduction and application to the laws of thermodynamics; analysis of closed and open systems; introduction to heat transfer, carnot principle, engine power plants, and refrigeration applications.

Prerequisite(s): PHYS 205.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (3-0)

Term(s) Offered: Fall, Spring

ME 363 - Vibrations

Credits: 3

An introduction to vibration theory, including the modeling and analysis of oscillatory phenomena found in linear discrete and continuous mechanical systems. This course will introduce noise and vibration control as an application of vibrations theory. A hands-on laboratory will greatly enhance the learning experience and bridge the gap between theory and practice.

Prerequisite(s): ENGR 275 and MATH 366.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): Two hours lecture, three hours lab.

ME 364 - Materials Science

Credits: 3

The design and analysis of mechanical systems considering theories of static failure, fatigue, impact loading, and fracture mechanics; with a special emphasis placed on material selection.

Prerequisite(s): ENGR 355.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): Three hours lecture.

Term(s) Offered: Spring

ME 365 - Modeling Dynamic Systems

Credits: 3

Introduction to unified approach to lumped-element modeling and analysis of mechanical, electrical, hydraulic, and mechatronic systems. Topics include graphical modeling using band graphs; formulation of state-space equations; analysis of linear systems;

determination of time and frequency domain response of such systems to transient and periodic inputs, block diagram representation of dynamic system using LaPlace Transforms; and integration into feedback control systems.

Prerequisite(s): ECE 255, ENGR 275, and MATH 366.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): Three hours lecture.

Term(s) Offered: Spring

ME 366 - Dynamics of Machinery

Credits: 3

The synthesis and analysis of mechanical linkages and cams.

Prerequisite(s): ENGR 275.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): Three hours lecture.

Term(s) Offered: Fall

ME 395 - Introduction to the Finite Element Method-Theory and Application

Credits: 3

An introductory course to the theory and application of the finite element method. Students will learn techniques necessary to apply the finite element method properly. In addition, students will use finite element programs, including commercial software, to design, analyze and solve problems in structural and solid mechanics. Topics covered in the course include design and analysis of structures using rod, truss, beam, frame, shell, and solid elements.

Prerequisite(s): MATH 366 and ENGR 355.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): 2-2

Term(s) Offered: Spring

ME 463 - Heat Transfer

Credits: 3

An investigation into heat transfer and the formulation of the fundamental principles and laws that govern conduction, convection, and radiation for both steady state and transient conditions with their application in the analysis and design of actual processes and heat exchanges.

Prerequisite(s): MATH 366, ME 225, and ENGR 375.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): Three hours lecture.

Term(s) Offered: Fall

ME 465 - Fluid/Thermal Design

Credits: 3

Application of the fundamental principles of heat transfer and fluid flow in the engineering analysis and design of fluid thermal systems (piping layouts, air conditioners, heat exchangers, power plants, solar and wind power, compressors, etc.).

Prerequisite(s): ME 463.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): Two hours lecture, three hours lab.

Term(s) Offered: Spring

ME 466 - Machine Design

Credits: 3

Engineering design and analysis of fundamental mechanical machine elements; including fasteners, gears, bearings, brakes, shafts, couplings, and flywheels. Synthesis of a machine containing two or more fundamental components.

Prerequisite(s): ME 364 and ME 366 (may be taken concurrently).

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): Two hours lecture, two hours recitation.

Term(s) Offered: Fall

ME 473 - Introduction to Control Systems

Credits: 3

An introduction to the fundamentals of feedback control system design and analysis with emphasis given to frequency domain methods. Modeling, transfer functions, block diagrams, stability, and system specification will be reviewed. The Bode Ideal Cutoff design method will be thoroughly examined and compared to other techniques including root locus and PID control. Includes computer simulations using MATLAB.

Prerequisite(s): ECE 345 or ME 365 or ECE 445, and MATH 366.

MKTG 201 - Introduction to Marketing

Credits: 3

An introductory course designed to apply the marketing process to the specific interests of associate degree candidates and non-business majors. Emphasis upon retailing, personal selling, advertising, and marketing strategy. (Not open to College of Business majors in baccalaureate programs.)

Prerequisite(s): PSY 201 and sophomore standing.

Term(s) Offered: Fall, Spring

MKTG 305 - Principles of Marketing

Credits: 3

A general survey of the entire field of marketing. Attention is given to the management of the marketing efforts of the individual firm. Emphasis is on the role of the marketing environment, understanding markets and customers, and decision making regarding products, pricing, distribution, and promotion.

Prerequisite(s): ACCT 201 and ACCT 202*, ECON 208 and ECON 209*, PSY 201, and junior standing. (Courses marked * may be taken concurrently with MKTG 305.)

Term(s) Offered: Fall, Spring, Summer

MKTG 313 - Services Marketing

Credits: 3

Emphasis is placed on the role of services in today's economy. The differences in marketing goods and the marketing of services is stressed. Strategy development for a wide variety of services including financial, medical, and entertainment is highlighted.

Prerequisite(s): MKTG 201 or MKTG 305.

MKTG 332 - Consumer Behavior

Credits: 3

An interdisciplinary approach to the analysis and interpretation of consumer buying habits and motives, and the resultant purchase of goods and services. The purchaser's psychological, economic, and sociocultural actions and reactions are stressed.

Prerequisite(s): MKTG 201 or MKTG 305.

Term(s) Offered: Fall, Spring

MKTG 334 - Promotional Strategy

Credits: 3

An examination of the promotional techniques available to marketing management. Emphasis is given to market analysis and to the communication process providing the means by which products can be effectively promoted. The specific tools of personal selling, advertising, sales promotion, and publicity are examined as components of overall marketing strategy.

Prerequisite(s): MKTG 201 or MKTG 305.

MKTG 342 - Business and Industrial Marketing

Credits: 3

An examination of the marketing function within organizations marketing goods and/or services to other organizations (rather

than final consumers). Major emphasis on business buyer behavior and the business marketing environment as key factors shaping business marketing strategy development, planning, implementation, and control.

Prerequisite(s): MKTG 201 or MKTG 305.

MKTG 344 - Personal Selling

Credits: 3

Study of the sales function in a marketing organization, development of techniques for making an effective sales presentation, and developing and maintaining account relationships. The course also will review major sales management functions including organization, allocation, recruitment, selection, training, motivation, compensation, and sales force evaluation and control.

Prerequisite(s): MKTG 201 or MKTG 305.

MKTG 355 - Interactive Marketing

Credits: 3

This course focuses on the integration of state-of-the-art interactive technologies into the design and implementation of marketing programs for the new millennium. The functions of market identification through customer analysis, and the planning and implementation of conception, pricing, promotion and distribution of ideas, goods, and services to satisfy the market benefit immensely from the capabilities of the rapidly developing information technology (IT) infrastructure. The course also includes introduction into different techniques for differentiating products and services and developing systems to focus on the market niche, establishing interactive links to customers, retrieving online information from customers, and using data mining for market research.

Prerequisite(s): MKTG 201 or MKTG 305.

MKTG 438 - Marketing Research

Credits: 3

The systematic, objective, and exhaustive search for and analysis of data relevant to problems in the field of marketing. Attention is given to marketing research procedures such as project design, sampling, data collection, data analysis, and reporting. Management's treatment of and reliance upon this important marketing tool are considered.

Prerequisite(s): ECON 265, MKTG 305, and senior standing.

Term(s) Offered: Fall, Spring

MKTG 444 - Sales Management

Credits: 3

The course is designed to help students prepare to face the changing sales environment of many organizations, brought by fierce global competition. Students are introduced to sales management concepts, terms, and the management of field sales forces. The course will highlight the broad domain of sales management, skills to handle increasing demands of buyers, and career opportunities in sales management. The course will provide students with an appreciation of the ethical issues involved with sales management.

Prerequisite(s): MKTG 201 or MKTG 305.

MKTG 447 - Retailing Policy and Management

Credits: 3

Policies, practices, and problems of efficiently operated retail stores, including the study of such areas as store location, layout, organizations, merchandise planning and control, pricing, buying, and sales promotion.

Prerequisite(s): MKTG 201 or MKTG 305.

MKTG 448 - Marketing Management

Credits: 3

Application of problem solving in the area of marketing management, emphasizing planning the marketing effort, management of the marketing organization, and control of marketing operations.

Prerequisite(s): completion of at least nine hours in marketing and senior standing.

Term(s) Offered: Fall, Spring

MKTG 461 - Seminar in Integrated Marketing Communications

Credits: 3

Approaching organizations' communications issues through the integration of advertising, marketing, and public relations strategies and techniques. Team project required.

Prerequisite(s): senior standing and either ADV 101 or PRL 101 and either MKTG 201 or MKTG 305.

Cross-Listed: PRL 461 and ADV 441.

MKTG 471 - International Marketing

Credits: 3

The whole of enterprise, comparative marketing, and transport institutions and systems in selected foreign countries and the United States. The managerial and operational problems of world enterprise, with emphasis on the role of ethnic and cultural differences in influencing marketing strategy. Case studies will be used.

Prerequisite(s): MKTG 201 or MKTG 305.

Term(s) Offered: Fall, Spring

MKTG 475 - Seminar in Contemporary Marketing Problems

Credits: 3

Individual investigation of selected marketing problems of contemporary significance will be analyzed and related to assigned readings and current periodical literature. Case studies and field trips also will be used to acquaint the student with actual practices currently employed in marketing.

Prerequisite(s): MKTG 305.

MKTG 490 - Individual Study in Marketing

Credits: 1-3

Research and reading in the student's major area of interest. May be taken on an arranged basis upon approval of the College of Business dean and the instructor.

Prerequisite(s): MKTG 305.

Repeatability: Repeatable for up to three hours.

MNGT 141 - Introduction to Business

Credits: 3

A survey course to acquaint students with functions performed by business and the part business activities play in our economy as a whole. Designed to give familiarity with common business practices and terminology. This course is not open to students who have completed or are currently enrolled in three or more courses in business or economics.

This course is part of the Core Transfer Library (CTL).

Indiana Statewide Common Course #: IPO 1810.

Term(s) Offered: Fall, Spring

MNGT 201 - Survey of Management

Credits: 3

A survey of the management process; emphasis upon management techniques and actors basic to various fields of business, industrial, and public organizations. This course is designed to apply the management process to the specific interests of all associate degree candidates and four-year non-business majors. (Not open to College of Business majors in baccalaureate programs.)

Prerequisite(s): sophomore standing, PSY 201, or consent of instructor.

Term(s) Offered: Fall, Spring

MNGT 305 - Principles of Management

Credits: 3

A study of the principles of management theory and practice in organizations, with emphasis placed on the challenges of management in a diverse and complex environment.

Prerequisite(s): ACCT 201, ACCT 202*, ECON 208, ECON 209*, PSY 201, and junior standing (Courses marked * may be taken concurrently with MNGT 305.)

Term(s) Offered: Fall, Spring, Summer

MNGT 315 - Management of Organizational Behavior

Credits: 3

A study of behavior of individuals and groups within organizations and of the organization itself. Intended to develop in managers a greater awareness of the problems and opportunities in managing human resources in organizations. Specific emphasis is placed on the development of managerial skills.

Prerequisite(s): MNGT 201 or MNGT 305.

Term(s) Offered: Fall, Spring

MNGT 341 - Human Resource Management

Credits: 3

The staff work required in planning and controlling the personnel functions in businesses and the personnel responsibilities of line executives. Emphasis is placed upon principles and procedures relative to selection, placement, training of employees, employees' services, morale, wages, and hours.

Prerequisite(s): MNGT 201 or MNGT 305.

Term(s) Offered: Fall

MNGT 352 - Entrepreneurship Ideation and Innovation

Credits: 3

This course focuses on the generation, testing, evaluation, and refinement of ideas. Innovation processes that focus on idea development, idea selection, and commercialization of ideas will also be examined. Exploration of the process and stages of creating an innovative new venture will provide the context for discussing the interrelationships among ideation, innovation, commercialization, and entrepreneurial thinking.

Prerequisite(s): junior standing.

Term(s) Offered: Fall, Spring

MNGT 353 - Entrepreneurship Feasibility Analysis and Business Plan Development

Credits: 3

Students in this course will evaluate the viability of a business venture and develop a business plan. The feasibility component of this course assesses the market opportunity, strategic position operations, risks, and the ability of the product or service to generate payback for the prospective firm. The business plan component of this course addresses the organizational plan, product/service plan, marketing plan, and financial projections for the prospective business.

Prerequisite(s): Junior standing

Term(s) Offered: Fall, Spring

MNGT 354 - Strategic Entrepreneurship

Credits: 3

Students in this course will bridge the gap between entrepreneurial thought and practice by focusing on activities that must be carried out by a company within the framework of strategic entrepreneurship. This framework highlights the activities that create, deliver, and capture value for an enterprise. The course is designed to immerse students actively in the strategic entrepreneurial process with the objectives to reinforce and develop divergent thinking, analytical thinking, and communication skills. This course will develop skills associated with opportunity recognition (convergent and divergent thinking) and feasibility analysis (market and financial analysis), and extend these to the development and communication of a business model in an atmosphere that is based on team collaboration and coaching.

Prerequisite(s): MNGT 352, MNGT 353 for non-business majors; junior standing for business majors.

Term(s) Offered: Fall, Spring

MNGT 361 - Business Environmental Factors

Credits: 3

An inquiry into the purposes, methods, institutions, results, and philosophy of business and its relationship to the environment in which it functions.

Prerequisite(s): MNGT 201 or MNGT 305 and MKTG 201 or MKTG 305.

Term(s) Offered: Fall, Spring

MNGT 408 - Collective Bargaining and Industrial Relations

Credits: 3

A study of employer-union relationships, management and union organizations for collective bargaining, trade union structure and government, the government and collective agreements, and the collective bargaining process.

Prerequisite(s): MNGT 201 or MNGT 305.

Term(s) Offered: Fall

MNGT 441 - Wage and Salary Administration

Credits: 3

A comprehensive study of wage and salary policies and techniques, including wage and salary level determination, job evaluation, employee evaluation, merit rating, methods of wage payments, fringe benefits, and controls.

Prerequisite(s): MNGT 201 or MNGT 305.

Term(s) Offered: Spring

MNGT 442 - Training and Development

Credits: 3

This course is designed to provide students with an in-depth study of the theories and skills associated with training and developing human resources. Specific attention will be given to planning, designing, implementing, and evaluating training and development programs. Broader issues concerning employee development and training for specific needs will also be addressed.

Prerequisite(s): MNGT 201 or MNGT 305.

Term(s) Offered: Fall, Spring

MNGT 443 - Organizational Theory and Design

Credits: 3

This course involves the management challenge of designing organizational structure to facilitate effective performance and achieve competitive advantage given the evolving nature of organizational environments. Issues will include organizational innovation and change; technological change and organizational restructuring; global competition; organizational culture; employee involvement; participative management and team systems; total quality management; organizational control; communication; and conflict.

Prerequisite(s): MNGT 305. MNGT 315 recommended.

Term(s) Offered: Spring

MNGT 444 - Managing Diversity in Organizations

Credits: 3

A study of cultural perspectives and processes reflecting individual, work group, and organizational diversity in the workplace.

Prerequisite(s): MNGT 201 or MNGT 305.

Term(s) Offered: Spring

MNGT 445 - International Business

Credits: 3

International and cross-cultural study of business decisions, enterprises, markets, and institutions. Examines globalization of industries and firms' competitiveness. Discusses international business transactions and entry strategies.

Prerequisite(s): ECON 241, MNGT 305, MKTG 305, FIN 305.

Term(s) Offered: Fall

MNGT 452 - Policy Formulation and Implementation

Credits: 3

This capstone course requires students to develop interdisciplinary solutions for addressing contemporary business problems. In addition to integrating the major fields of business (accounting, finance, marketing, management, computer information systems), this course requires students to address a variety of different topics, such as social issues, diversity, environmental concerns, global/cultural differences, ethics, economics, critical thinking, problem identification, problem solving, communication skills, quantitative analysis, technology, current events, and politics. Through the use of cases, presentations, written projects, class discussions, lectures, and current periodicals, students are exposed to the complexities of conducting business in a changing world.

Prerequisite(s): MNGT 305, FIN 305, MKTG 305 and senior standing.

Term(s) Offered: Fall, Spring, Summer

MNGT 455 - Small Business Consulting

Credits: 3

Application of business principles to the operation of small business firms; includes emphasis on management functions, elements of the marketing mix, business practices, and problem solving. Students in teams of two to five are assigned as a counseling unit to a small business firm requesting management counseling.

Prerequisite(s): MNGT 305, FIN 305, MKTG 305, and senior standing.

Term(s) Offered: Fall, Spring

MS 101 - Fundamental Military Concepts

Credits: 1

The course introduces students to the basic officer competencies, establishes a firm foundation for continued study in higher ROTC courses, and instructs basic life skills pertaining to personal fitness and interpersonal communication skills. Students will be introduced to the U.S. Army values, national values, and expected ethical behavior. Students will be exposed to the unique duties and responsibilities of officers and the expectations of selfless service, dedication, and duty to the nation. Designed to introduce basic soldier skills and squad-level tactical operations. Attention is devoted to development of leadership potential through practical exercises both in and out of the classroom.

Prerequisite(s): No prereq.

Term(s) Offered: Fall

MS 102 - Basic Leadership

Credits: 1

Examines the leadership process as affected by individual differences and styles, group dynamics, and personality behavior of leaders. Will introduce a generic model of problem solving. Teaches the basic skills that underlie effective problem solving in different work environments. Instructs how to relate the problem-solving model and basic problem solving skills to the resolution of military problems. Students will experience an introduction of fundamental leadership concepts and examine factors that influence leader and group effectiveness. Designed to teach basic soldier skills and squad level tactical operations. Student involvement in briefings and hands on practical exercises. Attention is devoted to development of leadership potential through practical exercises both in and out of the classroom.

Prerequisite(s): No prereq.

Term(s) Offered: Spring

MS 201 - Advanced Leadership and Management

Credits: 2

Develops basic leadership abilities and management skills through instruction and hands on practical exercises. Introduces principles and techniques of effective written and oral communication. Teaches practical leader skills and examines the principle of subordinate motivation and organizational change. Students will apply leadership and problem solving to a complex case study/simulation. Class is designed to develop individual team skills, decision-making abilities, and test basic tactical proficiency skills as well as improve planning and organizational skills both in and out of the classroom environment. Teaches hands-on soldier skills and squad-level tactical operations. Attention is devoted to development of leadership potential through practical exercises both in and out of the classroom.

Prerequisite(s): No prereq.

Term(s) Offered: Fall

MS 202 - Leadership, Tactics and Officership

Credits: 2

Further develops leadership skills by focusing on conventional basic squad and small unit tactics and introduces students to the

basic tactical principles of maneuver. Examines the roots of national and Army values and better citizenship. Allows students to apply principles of ethical decision-making and resolve ethical issues in case studies. Examines the legal and historical foundations and duties and function of the Army officer. Students will analyze the roles officers played in the transition of the Army from the Vietnam Conflict to the 21st Century. Teaches basic soldier skills and squad-level tactical operations. Special attention is devoted to development of leadership potential through practical exercises both in and out of the classroom.

Prerequisite(s): No prereq.

Term(s) Offered: Spring

MS 204 - Leader's Training (Basic Camp)

Credits: 4

Conducted at Fort Knox, Kentucky, home of the United States Armor Branch, during the summer months, covering a training period of approximately 30 days of paid training and excitement. The Department of Military Science ROTC battalion provides travel to and from Fort Knox. While at camp you will meet students from all over the nation while earning approximately \$800 in pay and receive free room and board while at camp. While at camp, you may apply for a two-year ROTC scholarship to cover up to \$16,000 at selected high-cost universities to pay for your remaining two years of college, \$510 annually for books, and earn a monthly stipend of over \$200 for 10 months per year. The Basic Camp is a way to catch up on missed Military Science courses in order to qualify the student to contract into the Advanced ROTC Course at USI.

Prerequisite(s): departmental approval.

Term(s) Offered: Summer

MS 241 - U.S. Military History I (1740-1900)

Credits: 3

The course will focus on U.S. military activity from the French and Indian War through the Spanish American War. Emphasis is on issues in command, impacts of technology, and the evolution of strategy and tactics in modern warfare. Students will conduct a battle analysis using a variety of techniques.

Term(s) Offered: Fall

MS 242 - U.S. Military History II (1900-Present)

Credits: 3

The course will focus on U.S. military activity from before WWI through the Persian Gulf War as well as highlighted concepts in contemporary peacekeeping operations. Emphasis is on issues in command, impacts of technology, and the evolution of strategy and tactics in modern warfare. Students will conduct a battle analysis using a variety of techniques.

Term(s) Offered: Spring

MS 301 - Small Unit Leadership

Credits: 3

Course is designed for those students who contract with Army ROTC to continue their military studies in pursuit of a commission as an officer into the Army following graduation from college. Course focus is to build cadet leadership competencies in preparation for attendance and successful completion of ROTC Leader Development and Assessment Course, Ft. Lewis, Washington. Provides an in-depth review of the features and execution of the Leadership Development Program, providing the cadet with periodic assessment of performance in leadership positions. Students will study squad and platoon-level tactics, troop-leading procedures, mission analysis, land navigation skills training, military operations plans and orders development, execution of squad battle drills, and basic briefing techniques.

Prerequisite(s): department approval.

Term(s) Offered: Fall

MS 302 - Small Unit Operations

Credits: 3

Course is a follow-on module to the MS 301 class, preparing cadets for attendance and successful completion of ROTC Leader Development and Assessment Course, Ft. Lewis, Washington. Focus will center on advanced self-development through the Leadership Development Program and an advanced-learning environment of doctrinal leadership and tactical operations at the small unit level. Cadets will plan and conduct individual and collective skill training for offensive operations and a Field Training Exercise during the spring semester. Cadets will be exposed to the developmental counseling program throughout the course period.

Prerequisite(s): MS 301 and departmental approval.

Term(s) Offered: Spring

MS 401 - Leadership, Management, and Ethics

Credits: 3

Course is designed to develop, train, and transition the advanced course graduate from cadet to lieutenant for service as an officer. Cadet will study Army staff organizations, how they function, and the processes of the army's hierarchy organizational structure. Students will learn in-depth counseling responsibilities/methods, officer and non-commissioned officer evaluation report development, officer evaluation report support form development, and training plan development. Course analyzes the legal aspects of decision-making and leadership in action. Course will expose cadets to the foundations of leadership, operational law, and the key aspects of the Uniformed Code of Military Justice. Cadets will receive training on basic leader responsibilities to foster an ethical command climate and how to meet moral obligations, as well as leader responsibilities to accommodate subordinate spiritual needs.

Prerequisite(s): departmental approval.

Term(s) Offered: Fall

MS 402 - Transition to Lieutenant

Credits: 3

Continued advanced development and transition of the advanced camp graduate from cadet to lieutenant for service as an officer. Course is a follow-on module to the MS 401 class. Course will expose cadets to the in-depth study of leadership, operational law, and the key aspects of the Uniformed Code of Military Justice with a hands-on approach with interactive scenarios being utilized in class. Students will undergo hands-on training and instruction in Joint Ethics regulations, joint strategic level operations, study of army administrative and logistics management, in-depth counseling techniques, and duty at first military assignment. Course will cover the Army's training philosophy, METL development, equipment readiness, and rules of engagement during deployment operations. Students also will receive training in personal awareness financial planning.

Prerequisite(s): MS 401 and departmental approval.

Term(s) Offered: Spring

MUS 161 - Music Theory I

Credits: 3

The fundamentals of music theory through part-writing and analysis. Course content includes key signatures, scales, intervals, triads, and an introduction to figured bass.

MUS 162 - Music Theory II

Credits: 3

A continuation of MUS 161 emphasizing inversions of triads, the dominant seventh chord, non-harmonic tones, and elementary modulations through part-writing, composition, and analysis with and without figured bass.

Prerequisite(s): MUS 161 or permission of the instructor.

MUS 171 - Aural Skills I

Credits: 1

This course offers a practical application of the materials studied in MUS 161 and provides the necessary drill in the skills of sight-singing, aural perception, and the dictation of music.

MUS 172 - Aural Skills II

Credits: 1

This course offers a practical application of the materials studied in MUS 162 and provides the necessary drill in the skills of sight-singing, aural perception, and dictation of music.

Prerequisite(s): MUS 171.

MUS 181 - Class Piano I

Credits: 1

This course provides a comprehensive introduction to piano performance, functional keyboard skills, and the keyboard literature of beginning piano students. Focus will be given to major scales, primary chord progressions, melodic harmonization, and performance of recital repertory relevant to the course objectives.

MUS 182 - Class Piano II

Credits: 1

The second course in the Class Piano sequence, MUS 182 provides a comprehensive introduction to piano performance, functional keyboard skills, and keyboard literature of beginning piano students. Focus will be given to major and minor scales and their inversions, primary chord progressions in root and inverted positions, melodic harmonization, and performance of repertory relevant to the course objectives.

Prerequisite(s): MUS 181 or permission of the instructor.

MUS 200 - USI Chamber Choir

Credits: 2

A select touring choir devoted to performance of an eclectic repertory of choral literature for mixed voices (S.A.T.B.). This course will focus on the development of vocal technique, performance practices, and will culminate with several performances throughout the year.

Prerequisite(s): audition and consent of instructor.

Repeatability: A maximum of 18 hours of credit may be earned in choral ensembles.

MUS 202 - Introduction to Music

Credits: 3

A basic survey of the media elements and organizational patterns of the art of music.

This course is part of the Core Transfer Library (CTL).

Indiana Statewide Common Course #: IFA 1330.

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

MUS 210 - Applied Voice

Credits: 1

One thirty-minute weekly private instruction in the area of applied voice with an emphasis on vocal performance, technique,

vocal health, and the performance of Classical art song, sacred song, folk song, and Broadway musical standards.

Repeatability: May be repeated without limit.

MUS 219 - USI Women's Choir

Credits: 1

A select group devoted to the performance of standard choral repertory for women. This ensemble will focus on the development of vocal technique beginning with the simplest part-songs and progressing through more difficult choral works. This course will culminate in a choral performance near the end of the semester.

Prerequisite(s): audition and consent of the instructor.

Repeatability: A maximum of 18 hours of credit may be earned in choral ensembles.

MUS 251 - Music and Movement in Elementary Schools

Credits: 3

Develops appreciation and skills in music as applied by the middle-level education major in voice, keyboard, and recorded musical materials. Comparative study will be pursued in the areas of integrated curriculum and methodology presently used in the instruction of music and movement in grades three through six. Guided field experience.

Prerequisite(s): EDUC 196.

MUS 290 - USI Jazz Ensemble

Credits: 2

A select ensemble consisting of any combination of jazz players from a small combo up to a full jazz "big band." The purpose of this course is to educate players in the area of jazz realization and improvisation through the study of standard repertory, improvisation texts, listening assignments, and rehearsal. This ensemble will perform regularly throughout the year.

Prerequisite(s): audition and consent of the instructor.

MUS 381 - Music History I

Credits: 3

A study of the development of Western music from antiquity through the end of its Baroque period (1600-1750). Emphasis will be placed on developing a thorough knowledge of music literature, cultural history, compositional styles, and the composers who shaped the music of this time.

Prerequisite(s): Junior standing or consent of instructor

MUS 382 - Music History II

Credits: 3

A study of the development of Western Music from its Classical Period (1750-1800) through the Modern Age with some examination of contemporary trends. Emphasis will be placed on developing a thorough knowledge of music literature, compositions, cultural history, and the composers who shaped the music of this time.

Prerequisite(s): Junior standing or consent of instructor

NURS 246 - Introduction to Professional Nursing

Credits: 5

This course introduces students to essential characteristics of professional nursing practice in today's healthcare system and the interconnected global community. Concepts to be explored include the history and theoretical basis of the nursing profession, the profession as part of a wider healthcare community and delivery system, professional communication, self-understanding and self-care as means to promote health and wellness of self and others. An introduction to the responsibility of self-directed, life-long learning and evidence-based practice is included. An emphasis will be placed on the complexity and holism of culturally sensitive nursing care in relation to the diversity of patients.

USI Core 39: Embedded Experience-Diversity; Embedded Experience-Writing.

Prerequisite(s): ENG 201 and 50 hours of required non-nursing courses including all science courses.

Term(s) Offered: Spring

NURS 247 - Health Assessment

Credits: 3

This course focuses on beginning skill development in the psychosocial and physical assessment of the health status of individuals across the lifespan. Emphasis is on the collection of subjective and objective data, physical examinations and documentation. The importance of culturally sensitive care and evidence-based practice are integrated into all aspects of patient assessment.

Prerequisite(s): 50 hours of required non-nursing courses including all science courses.

Term(s) Offered: Spring

NURS 267 - Health Assessment for Registered Nurses

Credits: 3

This course focuses on developing the practicing nurse's skill in psychosocial and physical assessment. Emphasis on the collection of subjective and objective data, physical examinations, documentation, and clinical implications of findings. The

importance of culturally sensitive care and evidence-based practice are integrated into all aspects of patient assessment.

Term(s) Offered: Fall, Summer

NURS 353 - Nursing Research and Evidence Based Practice

Credits: 3

This course provides nursing students the knowledge and skills to translate current evidence into practice. Students learn the interrelationships among theory, practice, and research; the research process and how evidence is developed; protection of human subjects in the conduct of research, and application of evidence to clinical practice. Skill development to facilitate retrieval, appraisal, and synthesis of evidence will support student use of quality evidence to guide nursing practice. Development of writing and oral presentation skills will enable the student to collaborate with the interprofessional healthcare team to improve patient outcomes

USI Core 39: Embedded Experience-Writing.

Prerequisite(s): NURS 246, NURS 247, and ENG 201.

Term(s) Offered: Fall

NURS 356 - Pharmacology for Nurses

Credits: 2

This course provides the student with an introduction to pharmacotherapeutics, safe administration of medications, and medications related to the care of patients with specific disorders. Pharmacokinetic, pharmacodynamics, pharmacogenetics, principles of medication administration, medication terminology, systems of measurement and conversion, and medication calculations are discussed. Drug classifications, actions, side effects, adverse effects, and nursing implications of medication administration are presented. Use of the nursing process to safely administer medications and develop patient education plans is also emphasized.

Prerequisite(s): NURS 246 and NURS 247.

Term(s) Offered: Fall

NURS 357 - Introduction to Patient Care

Credits: 3

This course explores concepts essential to nursing practice with a focus on nursing interventions. An emphasis is placed on the development of knowledge, competence, communication, and caring with the nurse's professional role. Through class and clinical laboratory experiences, students learn to apply principles of safe and effective nursing care.

Prerequisite(s): NURS 246 and NURS 247.

Term(s) Offered: Fall

NURS 358 - Nursing Care of Adults I

Credits: 7

This course focuses on the application of the nursing process and further develops cognitive, affective, and psychomotor skills necessary to provide nursing care for adults within a legal, ethical, and culturally sensitive framework. Students will integrate concepts from the sciences, liberal arts and nursing theory as a basis for their nursing practice. Evidence-based practice will be the foundation for providing care to patients on the continuum of illness and wellness.

Prerequisite(s): NURS 246, NURS 247, and NURS 357.

NURS 361 - Care of Elders and Families

Credits: 4

This course focuses on the integration of theories of aging, standards of practice, cultural influences, and pertinent public policy into the assessment of and interventions for older adults. Chronicity, caregiving, and end-of-life issues are included. Emphasis will be placed on utilization of evidenced-based practice.

Prerequisite(s): NURS 353, NURS 356, NURS 357, and NURS 358.

Term(s) Offered: Spring

NURS 363 - Mental Health Nursing

Credits: 4

This course focuses on therapeutic interaction, emphasizing the communication process and the concept of professional caring. Patterns of human responses associated with mental health and mental illness are examined across the lifespan. Within this framework, human responses to mental health and illness are identified. Students practice the therapeutic use of self, and implement culturally sensitive mental health nursing interventions in multiple clinical settings while utilizing methods of evidenced-based practice.

Prerequisite(s): NURS 353, NURS 356, NURS 357, and NURS 358.

Term(s) Offered: Spring

NURS 364 - Care of Children and Families

Credits: 4

This course focuses on the care of the child and adolescent specific to developmental levels. Age-specific culturally sensitive health promotion issues and health problems through theoretical and clinical application are addressed. The course emphasizes the interrelationship of pathophysiology, clinical symptoms and complications, disease-specific assessment, risk factors, nursing process, collaborative management, and expected outcomes. Emphasis will be placed on evidenced-based practice.

Prerequisite(s): NURS 353, NURS 356, NURS 357, and NURS 358.

Term(s) Offered: Spring

NURS 367 - Application of Evidence Based Practice

Credits: 3

This course provides Registered Nurses with knowledge and skills to translate current evidence into practice. Students learn the interrelationships among theory, practice, and research, the research process, and the protection of human subjects in the conduct of research. Students learn how to integrate clinical expertise with evidence to provide high quality patient centered care. Skill development to facilitate retrieval, appraisal, and synthesis of evidence will support student use of high quality evidence to guide nursing practice. Development writing and presentation skills will enable the student to better collaborate with the interprofessional healthcare team to improve patient outcomes.

USI Core 39: Embedded Experience-Writing.

Prerequisite(s): ENG 201, NURS 451 and either HP 302 or MATH 241

Term(s) Offered: Fall, Spring, Summer

NURS 368 - Nursing Care of the Adult II

Credits: 4

This course focuses on the utilization of the nursing process as a basis for providing nursing care to adult patients in acute and community-based settings. The role of the nurse as a collaborator in the healthcare team will be emphasized. Students will apply concepts from the sciences, liberal arts, and nursing theory as a basis for their nursing practice. Students will examine culturally sensitive human responses along the continuum of illness and wellness utilizing evidenced-based practice.

Prerequisite(s): NURS 353, NURS 356, NURS 357, and NURS 358.

Term(s) Offered: Spring

NURS 451 - Transition to Advanced Nursing Practice

Credits: 3

Preparation of associate or diploma nurse graduates for professional practice in diverse health care settings. Students explore theories, concepts, and assumptions foundational to contemporary nursing practice, patient centered care, and baccalaureate nursing education. Students develop the knowledge and skills necessary for success in distance education and scholarly work including an understanding of the BSN program, the ability to identify and locate scholarly resources, and professional communication and writing skills.

USI Core 39: Embedded Experience-Writing.

Prerequisite(s): ENG 201 and consent of instructor or advisor (required).

Term(s) Offered: Fall, Spring, Summer

NURS 455 - Population-Focused Nursing Practice

Credits: 4

This course emphasizes population- focused nursing practice which promotes healthy environmental conditions, lifestyle, and behaviors that improve the health of a community or population. Students focus on community assessment, including use of epidemiologic data to determine lifestyle, environmental, and genetic factors that are major determinants of population health. Emphasis is placed on primary prevention, health promotion, disease and injury prevention across the lifespan. Students collaborate with other professionals and stakeholders to identify and reach out to populations who might benefit from service, and apply evidence-based practice, including immunization, screening, and counseling to prevent and manage health conditions, prevent disability, and mortality.

Prerequisite(s): NURS 361, NURS 363, NURS 364, and NURS 368.

Term(s) Offered: Fall

NURS 456 - Nursing of Women and Families

Credits: 4

This course explores reproduction, pregnancy, selected women's health issues and newborn care through theoretical and clinical application. Individual family and cultural influences are explored as they relate to nursing care of the family unit. Specialized assessment techniques are integrated through clinical practice. Delegation and prioritization of nursing care are emphasized and integrated throughout the course.

Prerequisite(s): NURS 361, NURS 363, NURS 364, and NURS 368.

Term(s) Offered: Fall

NURS 457 - Population-Focused Care for Registered Nurses

Credits: 4

This course emphasizes population-focused nursing practice which promotes healthy environmental conditions, lifestyle, and behaviors that improve the health of a community or population. Registered nurses build on previous clinical experience with a focus on community assessment, including use of epidemiologic data to determine lifestyle, environmental, and genetic factors that are major determinants of population health. Emphasis is placed on primary prevention, health promotion, disease and injury prevention across the lifespan. Students collaborate with other professionals and stakeholders to identify and reach out to populations who might benefit from service, and apply evidence-based practice, including immunization, screening, and counseling to prevent and manage health conditions, prevent disability, and mortality.

Prerequisite(s): NURS 451.

Term(s) Offered: Spring

NURS 467 - Professional Nursing and Healthcare Issues

Credits: 3

This course examines issues related to professional nursing and healthcare from a historical, economic, legal/ethical, global, political, multidisciplinary and multicultural framework. Evidence-based strategies designed to influence organizational, institutional, and governmental decisions impacting nursing and healthcare are discussed. Topics for discussion are selected based upon current issues and trends in nursing practice, nursing education, and healthcare.

Prerequisite(s): NURS 455, NURS 456, and NURS 468 for undergraduate nursing students or NURS 451 for RN completion students.

Term(s) Offered: Spring, Summer

NURS 468 - Nursing Care of Adults III

Credits: 8

This course focuses on human responses to complex, multidimensional health problems of adult patients. The student will study care of the patient across the continuum of acute illness, chronic illness, and rehabilitation. The role of the nurse as coordinator of care will be emphasized. The course examines the interrelationships of pathophysiology, clinical symptoms and complications, risk factors, nursing process, collaborative management, and expected outcomes.

Prerequisite(s): NURS 361, NURS 363, NURS 364, and NURS 368.

Term(s) Offered: Fall

NURS 470 - Special Topics in Nursing

Credits: 1-3

This course provides the opportunity for analysis and synthesis of concepts and research related to special topics in nursing and healthcare.

Repeatability: A student may enroll in NURS 470 a total of two times for a maximum of 6 credit hours.

NURS 471 - Health Assessment

Credits: 3

This course includes didactic instruction in physical assessment, developmental screening and history taking. Teaching methods include lecture, independent study laboratory and clinical practice.

NURS 472 - Home Health Nursing

Credits: 3

Review concepts pertinent to general nursing practice within the home environment. Theoretical framework relevant to home care for clients using a multidisciplinary approach are examined.

Prerequisite(s): permission of instructor.

NURS 474 - Perioperative Nursing

Credits: 3

Explores the role of the perioperative nurse focusing on intraoperative, preoperative and postanesthesia nursing care through various teaching methodologies including clinical activities with preceptor.

Prerequisite(s): permission of instructor.

NURS 476 - Cardiovascular Surgical Nursing

Credits: 3

Advanced knowledge and research concerning the care of patients undergoing cardiac surgery is presented. The collaborative role of the nurse while participating in the care of the critically ill cardiac surgery patient is emphasized.

NURS 478 - Rehabilitation Nursing

Credits: 3

This course examines the scope of professional nursing practice in the specialty of rehabilitation nursing. Emphasis will be placed on the diagnosis and treatment of individual and group responses to actual and potential health problems as a result of altered functional ability and altered lifestyle.

NURS 480 - Internship in Community-Based Nursing

Credits: 1-3

This course provides students with an opportunity to increase their understanding of the knowledge, skills, and competencies needed for successful practice in a community-based nursing role. Students will be paired with a community-based preceptor in a clinical setting. Individualized experiential learning opportunities for the student will be identified in collaboration with faculty and preceptor. Current issues related to community-based nursing practice will be addressed.

NURS 482 - Oncology Nursing

Credits: 3

Advanced knowledge of adult oncology nursing is presented. The dimensions of prevention and early detection, diagnosis, treatment, palliation, rehabilitation, and survivorship are studied with diagnostic evaluation, classification, staging, and various treatment modalities for a selected range of malignancies.

NURS 484 - Healthcare Outcomes: Integrating Nursing Case Management and Disease Management

Credits: 3

This course investigates the concepts of case management focusing on the policy, economic and cares factors that influence positive outcomes for individuals or groups of individuals. Emphasis will be placed on the integration of nursing with case management and disease management concepts.

NURS 487 - Leadership in Nursing and Healthcare Organizations

Credits: 6

The course provides registered nurses the knowledge and skills for the application and synthesis of leadership theories, principles, and practices within the context of the role of the Baccalaureate prepared nurse. Introduction to the role of nurse manager and leader is emphasized and integrated within the clinical experience. Students will analyze and apply quality improvement and safety principles and practices to discern the impact on error reduction, patient outcomes, and quality of care.

Prerequisite(s): NURS 451.

Term(s) Offered: Fall

NURS 488 - Leadership in Care Delivery

Credits: 6

This course provides prelicensure nursing students knowledge and skills for the application and synthesis of leadership theories, principles and practices within the context of care delivery. Management of care for groups of patients with multidimensional health problems is emphasized and integrated within the clinical experience. Students will analyze and apply quality improvement and safety principles and practices to discern the impact on error reduction, patient outcomes, and quality of care.

Prerequisite(s): NURS 455, NURS 456 and NURS 468.

Term(s) Offered: Spring

NURS 492 - Clinical Synthesis

Credits: 4

This course provides the RN-BSN student with a concentrated clinical experience designed to expand and synthesize nursing knowledge and evidence-based practice. Students will refine their clinical skills as a critical thinker possessing knowledge and communication skills to problem solve. Students will enhance their clinical skills while effectively using resources and integrating evidence-based practice to provide quality and cost-effective healthcare in varying environment.

Prerequisite(s): NURS 353.

Term(s) Offered: Fall, Spring, Summer

NURS 498 - Internship in Professional Nursing

Credits: 4

This course provides the students with a concentrated clinical experience designed to synthesize nursing knowledge and evidence-based practice. Students will refine leadership and management skills as they function as integral members of the healthcare team. Students provide and coordinate direct care for groups of patients in an approved clinical setting. Seminar discussion topics will be related to current clinical practice issues.

Prerequisite(s): NURS 467 and NURS 488 (may be taken concurrently).

Term(s) Offered: Spring

NUTR 203 - Introduction to Food, Nutrition, and Dietetics

Credits: 1

This course provides students with a general overview of practice in food, nutrition, and dietetics. Students gain a beginning understanding of state and national credentialing requirements, certification standards, ethics, and life-long learning needs.

Prerequisite(s): None.

Term(s) Offered: Fall, Spring

NUTR 205 - The Profession of Dietetics

Credits: 1

This course provides students with a general overview of the history, philosophy, and practice of dietetics and how dietitians collaborate with other disciplines. Students gain a beginning understanding of the Accreditation Council for Education in Nutrition and Dietetics (ACEND) standards, the Academy of Nutrition and Dietetics (AND) scope of practice, the code of ethics, and advocacy methods. Students will recognize state and national credentialing requirements and life-long learning needs. Current issues in dietetics and healthcare will be discussed, such as evidence-based practice, the nutrition care process, and informatics.

Prerequisite(s): NUTR 203. Students must be admitted to the dietetics program to enroll in this course.

Term(s) Offered: Spring

NUTR 285 - Management Fundamentals in Food and Nutrition

Credits: 3

This course focuses on defining and applying management theories and functions in food and nutrition settings. Human, material, and facility management will be discussed. Students gain an understanding of the tools available for managing effective and efficient food and nutrition organizations.

Prerequisite(s): None.

Term(s) Offered: Spring

NUTR 376 - Principles and Applications in Nutrition

Credits: 3

Principles and applications in nutrition emphasize the relationships among the nutrients and how homeostasis relationships are maintained in the healthy person. Students will learn more about themselves and their health in an effort to use this knowledge to improve their health. This knowledge of nutrition will allow students to personalize information to fit their lifestyle. Special attention to nutrition for the developing human and lectures focusing on nutrition counseling will address the needs of dental hygiene students and other health professionals seeking concepts in applied nutrition.

Prerequisite(s): MATH 108 and CHEM 107 recommended.

Term(s) Offered: Fall, Spring, Summer

NUTR 378 - Nutrition for Fitness and Sports

Credits: 3

An overview of the relationship of basic nutrition and energy systems to physical activity and body composition. This course examines popular myths and misconceptions associated with nutrition and performance. Incorporates application of introductory biochemistry.

Prerequisite(s): MATH 108 recommended.

Term(s) Offered: Spring

NUTR 381 - Quantity Food Production and Purchasing

Credits: 4

This course provides application of the principles of nutrition and food production in meal service from both a family social unit and the broad spectrum of food service. This course will focus on different stages of food service from menu planning and recipe conversion through the end result of serving the food. Special consideration will be given to meeting nutritional needs, food safety, cultural diversification, and consumer satisfaction. Purchasing and inventory techniques will be examined. In conjunction with the University of Southern Indiana Food Service and other food service establishments, this course will include a practicum in management. Includes a laboratory.

Prerequisite(s): NUTR 285 and BIOL 141, BIOL 133, or BIOL 122.

Term(s) Offered: Fall

NUTR 383 - Practical Applications and Evaluation of Food Preparation and Nutrition

Credits: 3

This course will focus on the study of practical applications of food science for food preparation and nutrition. Students will study the functions of specific ingredients in food, their sources in the food supply, and their effects on health. They will explore methods to maintain or improve the nutritional value of food while maintaining taste appeal. Students will apply information from food labels and modify recipes to address health concerns, prepare foods using various cooking methods, and discuss the influence of vegetarianism, culture, socio-economics, and psychological factors on food choices.

Prerequisite(s): NUTR 376 and NUTR 381 plus an introductory chemistry course (CHEM 103, CHEM 107, CHEM 141, CHEM 175, or CHEM 261).

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): 2-2

NUTR 384 - Principles and Applications in Food Science

Credits: 3

This course will focus on the studies of foods in relation to their composition of physical and chemical properties. This course will include the experimental approach to the study of foods. Throughout this course, sensory evaluation techniques will be utilized. Recipe development and modification will be explored. Includes a laboratory.

Prerequisite(s): NUTR 376 and NUTR 381, CHEM 103 or CHEM 141 or CHEM 261. Students must be admitted to the dietetics program to enroll in this course.

Term(s) Offered: Spring

NUTR 396 - Nutrition Throughout the Lifecycle

Credits: 3

This course focuses on understanding the normal nutritional requirements and needs of special populations throughout the lifecycle. Growth and development theories will be discussed and nutrition concerns will be examined for pregnant women, breastfeeding mothers, and the growing infant, child and adolescent. Students will investigate nutrition-related concerns during the lifecycle and offer appropriate suggestions for management of these concerns. Recommendations for preventing disease and promoting healthy aging will be discussed.

Prerequisite(s): NUTR 376.

Term(s) Offered: Fall, Spring

NUTR 397 - Nutrition in Health Promotion and Disease Prevention

Credits: 3

This course focuses on understanding the role of nutrition in health promotion and disease prevention. Students will have a better understanding of health and food consumption behaviors of the United States population by evaluating population-based studies. Students will locate, interpret and analyze National nutrition surveys and epidemiological studies to determine their use in health promotion. An enhanced understanding of the role of genetics on disease development will be provided. Current food consumption and lifestyle practices of people from diverse cultures and religions will be examined.

Prerequisite(s): ENG 201, NUTR 376 and NUTR 396.

Term(s) Offered: Spring

NUTR 412 - Advanced Human Metabolism

Credits: 4

This course focuses on understanding the relationship between food and nutrients, the science of chemistry of the living organism, and health. The course stresses the importance of nutrient interactions and regulation of metabolism. The methods used to assess both nutrient requirements and deficiencies will be studied.

Prerequisite(s): NUTR 376, BIOL 122, and CHEM 241 or CHEM 354. Students must be admitted to the dietetics program to enroll in this course.

Term(s) Offered: Fall

NUTR 415 - Dietary Supplements and Herb Use in Nutrition

Credits: 3

This course focuses on understanding the role of supplements from a nutrition standpoint in maintaining and promoting health. Common supplements used such as vitamins, minerals, herbs, and other substances will be discussed. Emphases are placed on understanding the history of their use, their proposed mechanisms of action, and safety concerns using the process of a critical review of the literature. Students will analyze the role of these supplements when making nutritional recommendations to individuals and groups.

Prerequisite(s): NUTR 376.

Term(s) Offered: Fall

NUTR 420 - Practicum in Food, Nutrition and Wellness

Credits: 1-6

This course provides junior- and senior-level students who meet eligibility criteria with the opportunity to gain practical insight into the food and nutrition environments while applying their management knowledge skills. The experience will lead to deeper appreciation and valuable understanding of practical workplace situations. The students will be able to apply their leadership and teamwork skills.

Prerequisite(s): NUTR 376, NUTR 285, and NUTR 381.

Repeatability: Repeatable to a maximum of six hours.

Term(s) Offered: Fall, Spring, Summer

NUTR 427 - Senior Project in Food and Nutrition

Credits: 3

This course will provide application of the principles of food production and nutrition by designing a menu and serving a meal. Students will focus on assessing needs, planning, implementing, and evaluating a food service meal. Students will utilize their knowledge of food service management and apply food and nutrition principles in a group setting.

Prerequisite(s): NUTR 285, NUTR 376, and NUTR 381.

Term(s) Offered: Spring

NUTR 452 - Nutrition and Health Assessment

Credits: 3

This course will focus on the comprehensive principles and methods of scientific nutrition assessment. Students will examine the methods and tools of the assessment process. Students will demonstrate assessment skills and proficiency in choosing appropriate tools and methods in order to utilize the nutrition care process.

Prerequisite(s): HP 115 and NUTR 396. Students must be admitted to the dietetics program to enroll in this course.

Term(s) Offered: Spring

NUTR 465 - Community Nutrition

Credits: 3

This course focuses on understanding the role of nutrition in public health. It will allow for an understanding of the tools used to design and implement community nutrition programs that promote and protect the public's health. Emphases are placed on community nutrition assessment, program planning, monitoring, and evaluation. Methods to impact the health of the community including nutrition policy making, advocacy, and the legislative process will be discussed.

Prerequisite(s): NUTR 376 and NUTR 396.

Term(s) Offered: Spring

NUTR 481 - Nutritional Education, Counseling and Theory

Credits: 3

This course focuses on the acquisition of nutrition counseling knowledge and the development of interpersonal skills that would enhance the translation of nutrition knowledge into healthy food choices. Employing a problem-solving model, the course covers counseling strategies and techniques, interviewing methods, psychological theories, life span and cross-cultural considerations for counseling, emotional factors of nutrition, eating disorders, ethics, and professional aspects of practice. Students will be challenged to apply and think critically about different counseling techniques and situations. Appropriate educational materials and documentation methods will be evaluated and developed as needed.

Prerequisite(s): PSY 201, NUTR 396 and NUTR 397, or consent of instructor. Students must be admitted to the dietetics program to enroll in this course.

Term(s) Offered: Spring

NUTR 485 - Medical Nutrition Therapy I

Credits: 3

This course focuses on understanding the diseases that are modifiable by medical nutrition therapy (MNT). The nutrition care process and MNT of hyperlipidemia, diabetes, hypertension, malnutrition including under- and over-nutrition and renal diseases will be covered. The pathophysiology, dietary treatments, and evidence supporting MNT will be discussed.

Prerequisite(s): NUTR 376, BIOL 122, and NUTR 452. Students must be admitted to the dietetics program to enroll in this course.

Term(s) Offered: Fall

NUTR 486 - Medical Nutrition Therapy II

Credits: 3

This course focuses on understanding the diseases that are modifiable by medical nutrition therapy (MNT). The nutrition care process and MNT of liver, respiratory, gastrointestinal, cancer, and other metabolic diseases across the lifespan will be covered. The role of genetics in nutrition will be covered. The pathophysiology, dietary treatments, and evidence supporting MNT will be discussed.

Prerequisite(s): NUTR 376, BIOL 122 and NUTR 485. Students must be admitted to the dietetics program to enroll in this course.

Term(s) Offered: Spring

NUTR 492 - Food Service Operations Management

Credits: 3

This course will be a systems approach to food service management. Program planning, forecasting, program evaluation, and marketing will be discussed. This course will cover cost control methods that are specific to managing food service operations, including food waste and theft.

Prerequisite(s): NUTR 285, NUTR 381, and HP 411 or MNGT 201 or MNGT 305.

Term(s) Offered: Fall

NUTR 496 - Leadership and Professional Issues in Food and Nutrition

Credits: 3

This course will explore current political, regulatory, ethical, training, quality improvement, management, and other important related issues facing food and nutrition professionals. Students will use their educational foundation to investigate, identify, and suggest alternative methods of resolving these problems. The course will examine the leadership roles of food and nutrition professionals. Students will apply this knowledge by investigating current controversial issues in food and nutrition and will develop solutions to these problems.

USI Core 39: Embedded Experience-Writing.

Prerequisite(s): ENG 201, NUTR 285 and junior or senior standing.

Term(s) Offered: Spring

OTA 213 - Pathophysiology and Conditions I

Credits: 3

This course provides an overview of the etiology, clinical course, management, and prognosis of congenital and developmental disabilities, acute and chronic disease processes, and traumatic injuries; and examines the effects of such conditions on functional performance throughout the lifespan as well as explores the effects of wellness on the individual, family, culture, and society.

Prerequisite(s): admission to OTA program.

Term(s) Offered: Fall

OTA 214 - Pathophysiology and Conditions II

Credits: 3

Providing a focus in the areas of neurology and orthopedics, this course continues the overview of the etiology, clinical course, management, and prognosis of congenital and developmental disabilities, acute and chronic disease processes, and traumatic injuries by examining the effects of such conditions on functional performance throughout the lifespan and by exploring the effects of wellness on the individual, family, culture and society.

Prerequisite(s): BIOL 121 and OTA 213.

Term(s) Offered: Spring

OTA 221 - Technical Communication

Credits: 3

The emphasis of this course is the development of skills in the areas of listening, speaking, reading, and writing. These skills include: interviewing; self, dyadic, and group interaction; documentation to ensure accountability and reimbursement of services; critical reading of research; public speaking; and participation in meetings. This course introduces the student to medical terminology used in many of the treatment settings.

Prerequisite(s): admission to OTA program.

Term(s) Offered: Fall

OTA 231 - Therapeutic Media

Credits: 3

The first half of this course includes a multicultural perspective to emphasize the analysis of activities, the performance and teaching of selected tasks and activities, and the grading and adapting of purposeful activity for therapeutic intervention. The focus of the second half of the course is assistive technology including orthotics and prosthetics.

Term(s) Offered: Fall

OTA 232 - Media and Modalities

Credits: 2

The student will be introduced to theory and clinical competencies needed to become proficient in basic splint fabrication skills and the medical conditions associated with each type of splint constructed. The course also will explore the use of assistive devices, adaptive equipment, and an overview of prosthetics, orthotics, and the use of physical agent modalities in treatment.

Prerequisite(s): admission to OTA program.

Term(s) Offered: Fall

OTA 241 - Occupational Performance Components I

Credits: 4

This course examines the occupational therapy process with an emphasis on optimal occupational performance which enhances lifespan role functioning across occupational performance contexts. This course examines the interplay of performance areas and concomitant performance components with a focus on psychosocial skills.

Prerequisite(s): admission to OTA Program.

Term(s) Offered: Fall

OTA 242 - Occupational Performance Components II

Credits: 5

This course examines the occupational therapy process with an emphasis on optimal occupational performance which enhances lifespan role functioning across occupational performance contexts. This course examines the interplay of performance areas and concomitant performance components with a focus on sensorimotor and cognitive skills.

Prerequisite(s): OTA 241.

Term(s) Offered: Spring

OTA 297 - Practicum Seminar A

Credits: 2

Along with a 40-clock-hour Level I practicum experience, this first practicum course provides students opportunities to discuss fieldwork matters and integrate fieldwork with occupational therapy process and practice issues.

Prerequisite(s): admission to OTA Program.

Grading: Pass/No Pass

Term(s) Offered: Fall, Spring, Summer

OTA 298 - Practicum Seminar B

Credits: 2

Along with a 40-clock-hour Level I practicum experience, this second practicum course provides students additional opportunities to discuss field work matters and integrate field work with occupational therapy process and practice issues.

Prerequisite(s): OTA 297.

Term(s) Offered: Fall, Spring, Summer

OTA 343 - Occupational Performance Areas I

Credits: 5

This course examines the occupational therapy process with an emphasis on optimal occupational performance which enhances lifespan role functioning across occupational performance contexts. This course examines the interplay of performance components and their effects on subsequent performance areas, particularly activities of daily living and play or leisure.

Prerequisite(s): OTA 241.

Term(s) Offered: Spring

OTA 344 - Occupational Performance Areas II

Credits: 4

This course examines the occupational therapy process with an emphasis on optimal occupational performance which enhances lifespan role functioning across occupational performance contexts. This course examines the interplay of performance components and their effects on subsequent performance areas, particularly work and productive activities.

Prerequisite(s): OTA 343.

Term(s) Offered: Summer

OTA 345 - Occupational Performance in Pediatrics

Credits: 3

The emphasis of this course is the development of skills in use for the pediatric population including evaluation and treatment planning using developmental, cognitive, motor and psychosocial therapies. The use of experiential learning techniques will reinforce presented concepts.

Prerequisite(s): admission to OTA program.

Term(s) Offered: Summer

OTA 350 - Independent Study

Credits: 1-12

This elective course may be customized for the special interest of the student. Students may complete this independent study by participating in faculty-approved supervised service delivery, research projects under the direction of faculty, or another faculty-approved project.

Prerequisite(s): admission to OTA Program.

Term(s) Offered: Fall, Spring, Summer

OTA 372 - Management for Occupational Therapy Assistants

Credits: 3

General management principles such as planning, organizing, staffing, coordinating/directing, controlling, budgeting, marketing, strategic planning are applied to the management of activities service. There is an emphasis on the development of supervisory skills for occupational therapy students, certified occupational therapy assistants, and other personnel.

Prerequisite(s): OTA 221.

Term(s) Offered: Summer

OTA 397 - Technical Fieldwork A

Credits: 3

While working with persons having various levels of psychosocial, sensorimotor, and cognitive performance components, students have opportunities for synthesis, the integration and application of knowledge gained throughout their educational experiences which include general education/liberal arts courses as well as the sequence of occupational therapy coursework. Students will examine the interplay among occupational performance areas, components, and contexts; develop and expand a repertoire of occupational therapy treatment interventions; and employ clinical reasoning and reflective practice skills. Fieldwork A, a Level II internship of at least eight weeks (full-time) in duration, must vary from Fieldwork B to reflect a difference in ages across the lifespan of persons requiring occupational therapy services, in the setting with regard to chronic conditions (long-term versus short-term), and in facility type (institutional versus community-based).

Prerequisite(s): completion of OTA 297 & OTA 298.

Term(s) Offered: Fall, Spring, Summer

OTA 398 - Technical Fieldwork B

Credits: 3

While working with persons having various levels of psychosocial, sensorimotor, and cognitive performance components, students have opportunities for synthesis, the integration and application of knowledge gained throughout their educational experiences which include general education/liberal arts courses as well as the sequence of occupational therapy coursework. Students will examine the interplay among occupational performance areas, components, and contexts, develop and expand a repertoire of occupational therapy treatment interventions, and employ clinical reasoning and reflective practice skills. Fieldwork B, a Level II internship of at least eight weeks (full-time) in duration, must vary from Fieldwork A to reflect a difference in ages across the lifespan of persons requiring occupational therapy services, in the setting with regard to chronicity (long-term versus short-term disability/disease process), and in facility type (institutional versus community-based).

Prerequisite(s): completion of OTA 397.

Term(s) Offered: Fall, Spring, Summer

PET 287 - Physical Education and the Elementary School Classroom Teacher

Credits: 2

Provides students with the basic information about teaching physical education to children in elementary school. Develop, participate in, and teach developmentally appropriate physical activities for children in grades 1-6 including classroom, recess/playground, wellness, fitness, and integrated activities.

Prerequisite(s): Sophomore standing and elementary education major

Term(s) Offered: Fall, Spring, Summer

PET 292 - Principles of Teaching Dance and Aquatics

Credits: 2

Course provides students with the principles of teaching dance and aquatics in K-12 schools. Emphasis is placed on not only being able to perform, but to teach dance and aquatic activities. Field experiences will be required in this course.

Term(s) Offered: Fall

PET 293 - Teaching Developmental Activities

Credits: 4

Course provides students with the basic information related to teaching Pre-K to 6th grade physical education. Students will participate in eight weeks of field experience in an elementary physical education setting. Students will develop lessons that are safe and developmentally appropriate while ensuring maximum participation by all students with and without disabilities and using resources effectively.

Term(s) Offered: Fall

PET 294 - Principles of Teaching Dual and Team Sports

Credits: 3

Students will learn how to teach dual and team sports. Students will learn proper skill progressions and transition techniques that are used to link fundamental movement with sport skills, and how to evolve simple strategies into more complex offenses and defenses. Field experiences will be required in this course.

Prerequisite(s): PET 292 and PET 293

Term(s) Offered: Spring

PET 297 - Teaching Individual Dual Sports

Credits: 2

Students will learn how to teach individual and dual sports. Students will learn proper skill progressions, transition techniques that are used to link fundamental movement with sports skills, and how to evolve simple strategies into more complex offenses and defenses. Students must pass proficiency exam at 80 percent.

PET 371 - Applied Biomechanics and Exercise Physiology

Credits: 3

This course is designed to provide students with a comprehensive introduction to the physiological responses and adaptations to physical activity and exercise training in school age children. In addition, it will examine human movement and physical activity from anatomic, kinematic, and kinetic perspectives.

Prerequisite(s): BIOL 121 and BIOL 122. Physical Education major

Term(s) Offered: Fall

PET 388 - School Health

Credits: 3

This course seeks to present the background, content, and strategies necessary for teaching health education as part of a comprehensive school health program. Students may be required to fulfill field experiences at a local school.

Prerequisite(s): KIN 281 and Sophomore Standing

Term(s) Offered: Fall

PET 390 - Special Topics

Credits: 1-3

The purpose of the course is to provide students with an opportunity to do personal research in a specialized area in physical education. A maximum of three hours can count toward elective requirements.

PET 392 - Adapted Physical Education

Credits: 3

A study of dysfunctions and characteristics of people with atypical performances. Basic concepts and techniques of modifying physical activity for people with special needs.

Prerequisite(s): Sophomore Standing

Term(s) Offered: Fall

PET 395 - Curriculum Construction in Physical Education

Credits: 3

Planning programs, units, and lessons in physical education to achieve long- and short-term curriculum goals.

USI Core 39: Embedded Experience-Writing.

Prerequisite(s): ENG 201 and sophomore standing.

Note: student must provide evidence of passing PRAXIS I.

Term(s) Offered: Fall

PET 396 - Teaching Secondary Physical Education

Credits: 4

Provide students with the basic information related to teaching middle/secondary school physical education. Students will participate in developmental field experiences in a middle and/or secondary school setting. Students will develop complete lessons that are safe, developmentally appropriate while ensuring maximum participation by all students and using resources effectively.

Prerequisite(s): PET 395

Term(s) Offered: Spring

PET 402 - Controversial Issues in Health Education

Credits: 3

This course is designed to investigate current controversial topics in health education, which includes sexuality, obesity, death and dying, and other issues in health education. Students may be required to fulfill field experience.

USI Core 39: Ways of Knowing-Moral and Ethical Reasoning; Embedded Experience-Writing.

Prerequisite(s): ENG 201 and Junior standing.

Term(s) Offered: Spring

PET 442 - Community Health

Credits: 3

A comprehensive understanding of community health is conducted. The problems of community health are investigated. Prevention and intervention programs are examined. Student may be required to fulfill field experience.

Prerequisite(s): Junior Standing

Term(s) Offered: Spring

PET 471 - Assessment Strategies in Physical Education

Credits: 3

This course presents various assessment strategies in the psychomotor, cognitive, and affective domains. Basic statistical analysis is presented as well as practical experience in developing and administering tests. Students will interpret test results and create plans for advancement and/or remediation.

Prerequisite(s): Junior standing.

Term(s) Offered: Fall

PET 493 - Emotional Health of Children in Sport

Credits: 3

The study of the physiological, psychological, and sociological variables that influence children's sport participation.

Prerequisite(s): PSY 201 and Junior Standing

Term(s) Offered: Summer

PET 494 - Program Planning and Evaluation in Health Education

Credits: 3

This course will introduce students to terminology, theories, models, and tools for planning, implementing, and evaluating programs in health education and health promotion. Students will be introduced to a systematic approach to the planning and evaluation of health education programs, a diagnosis of the social, psychological, educational, and administrative aspects of the health education program, and program monitoring, rigorous methods of impact assessment, and the measurement of efficiency. NCI

Term(s) Offered: Spring

PH 284 - Public Health

Credits: 3

This course introduces the services and measures that are used to safeguard public health. Content included in the course is: history, development and organization of public health; an introduction to the scientific concepts and analytical tools used in public health; and overviews of the major areas of public health intervention.

PH 385 - Disease Control

Credits: 3

This course provides systematic coverage of the determinants of disease and control methods by major disease groupings, such as respiratory diseases, and animal-associated diseases.

Prerequisite(s): PH 284.

PH 483 - Health All Around Us: Concepts in Environmental Health

Credits: 3

This course provides an overview of the environment in which we live and the way that our health is affected. Changes in our ecosystems, environmental diseases, food safety, water, air, noise, energy, hazardous and solid waste/pollution will all be discussed in relation to the human population.

PH 484 - Environmental Health

Credits: 3

This course introduces various environmental risks to health status, and the role of public health controls in safeguarding at-risk populations. These areas include: food production, water purity, wastewater and solid waste handling, arthropod and pest control, air quality, and occupational and industrial hazards to health.

Prerequisite(s): PH 284.

PH 485 - Epidemiology

Credits: 3

This course introduces the principles and methods of epidemiology used to study health-related issues in populations. Covers models of disease causation and the association of health-risk factors. Includes: common epidemiological measures, epidemiologic study designs, disease surveillance, and outbreak investigation. Applies epidemiological principles and methods to health service organizations and clinical settings by developing critical literature review and study design skills.

Prerequisite(s): HP 302.

PH 486 - Public Health Administration

Credits: 3

This course describes the setting for public health practice; the structure of public health policies and regulations; and the organizations responsible for public health services. Public health funding and the administration of public health services at the local, state, national, and international levels are reviewed and analyzed.

Prerequisite(s): HP 211 and PH 284.

PHIL 200 - Introduction to Philosophy

Credits: 3

The nature of philosophy and its problems.

USI Core 39: Ways of Knowing-Historical Inquiry; Embedded Experience-Diversity.

This course is part of the Core Transfer Library (CTL).

Indiana Statewide Common Course #: ISH 1050.

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

Term(s) Offered: Fall, Spring, Summer

PHIL 201 - Introduction to Ethics

Credits: 3

An in-depth study of issues in practical or applied ethics.

USI Core 39: Ways of Knowing-Moral and Ethical Reasoning; Embedded Experience-Diversity.

This course is part of the Core Transfer Library (CTL).

Indiana Statewide Common Course #: ISH 1051.

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

Term(s) Offered: Fall, Spring, Summer

PHIL 205 - Introduction to Logic

Credits: 3

Forms of inference in terms of traditional logic.

Term(s) Offered: Spring

PHIL 251 - Introduction to the Study of Religions

Credits: 3

An introductory survey course designed to expose students to the scholarly methods, disciplines, and topics involved in the academic study of religions.

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

Term(s) Offered: Fall, Spring

PHIL 301 - Theoretical Ethics

Credits: 3

An in-depth study of traditional and contemporary meta-ethical and normative theories.

Prerequisite(s): one philosophy course or consent of instructor.

PHIL 304 - Philosophy of Art

Credits: 3

Representative theories of the nature and evaluation of art.

Prerequisite(s): one philosophy course or consent of instructor.

PHIL 305 - Introduction to Symbolic Logic

Credits: 3

An examination of the principles and methods of the several branches of symbolic logic.

PHIL 312 - Ethics in the Professions

Credits: 3

This course provides participants with the foundation for understanding and applying ethical standards and analysis in professional careers including, but not limited to business, engineering, law, mass media, and medicine. The course will survey contemporary ethical theories and explore the ethical codes, standards, and practices specific to the student's chosen career.

Prerequisite(s): junior standing and consent of instructor.

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

PHIL 344 - Contemporary Philosophy

Credits: 3

A study of the philosophical thought of important 20th century figures, such as Russell, Wittgenstein, Quine, and Heidegger.

Prerequisite(s): one philosophy course or consent of instructor.

PHIL 350 - History of Philosophy I

Credits: 3

A study of the history and development of philosophical ideas from ancient Greece to the close of the Middle Ages, including Plato and Aristotle.

Prerequisite(s): one philosophy course or consent of instructor.

Term(s) Offered: Fall

PHIL 351 - History of Philosophy II

Credits: 3

A study of the history of early modern philosophy including such major philosophers as Descartes, Leibniz, Locke, Hume and Kant.

Prerequisite(s): one philosophy course or consent of instructor.

Term(s) Offered: Spring

PHIL 361 - Special Problems in Philosophy

Credits: 3

Repeatable with a change in course content. A study of some selected problem, movement, or philosopher in the field of philosophy.

Prerequisite(s): one philosophy course or consent of instructor.

PHIL 362 - Interdisciplinary Problems

Credits: 3

Repeatable with a change in course content. An interdisciplinary study of some problem or concept in which the perspective of philosophy is involved.

PHIL 363 - Bioethics

Credits: 3

A critical survey of the ethical issues generated by research and practice in the fields of biology and medicine.

Prerequisite(s): one philosophy course or consent of instructor.

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

PHIL 364 - Gender and Philosophy

Credits: 3

A survey of concepts essential to feminist social and political philosophy, including sexism, oppression, discrimination, patriarchy, and equality, with critical application of these concepts to current gender-related issues and to students' own experiences as men and as women.

Prerequisite(s): one philosophy course or consent of instructor.

PHIL 365 - Sexual Ethics

Credits: 3

An examination of various philosophical issues in sexual ethics, including the role of sexuality in human life, its relation to love and to marriage, the meaning and value of sexual freedom, the moral status of homosexuality, the meaning of sexual consent, and sexual objectification and co-modification.

Prerequisite(s): one philosophy course or consent of instructor.

PHIL 366 - Environmental Ethics

Credits: 3

This course examines the history and nature of how human relationships to ecosystems create moral obligations to act responsibly with respect to future generations of humans, non-human animals, and the ecosystems of the planet itself. It analyzes the historical roots of current environmental problems as well as more recent theories of environmental ethics such as land ethic, ecofeminism, and deep ecology. Topics may include, but are not limited to: global warming, overpopulation, endangered species, sustainable agricultural practices, genetic engineering, and corporate accountability.

Prerequisite(s): one philosophy course or consent of instructor.

PHIL 377 - Introduction to Cognitive Science

Credits: 3

Required: This course fulfills a requirement for the cognitive science minor. Cognitive Science is the interdisciplinary science of the human mind and cognition. Students will explore elementary neuroscience, perception and learning, robotics/artificial intelligence, neural networks, and other efforts to model human intelligence using machines. Insights are drawn from several fields, including artificial intelligence, linguistics, neuroscience, philosophy, psychology and robotics.

Prerequisite(s): sophomore standing or consent of instructor.

PHIL 413 - Philosophy of Religion

Credits: 3

Basic problems and philosophically significant theories of religion, including such problems as the relation of faith and reason, and the existence of God.

Prerequisite(s): one philosophy course or consent of instructor.

PHIL 415 - History of Rhetoric

Credits: 3

An understanding and comparison of various movements in the history of rhetoric, with particular emphasis on the relationship between rhetorical strategy and one's image of men and on historical events which have influenced rhetoric. The course aims to increase the scope of students' understanding of rhetoric and help them apply this knowledge to their own writing and their evaluation of the writing of others.

Prerequisite(s): ENG 201 and junior status.

Cross-Listed: Dual listing with English.

PHIL 418 - Metaphysics

Credits: 3

Alternative theories of the nature of ultimate reality and related questions about the nature, function, and possibility of such theories.

Prerequisite(s): one philosophy course or consent of instructor.

PHIL 420 - Theory of Knowledge

Credits: 3

Alternative theories of the origin, nature, and possibility of knowledge.

Prerequisite(s): one philosophy course or consent of instructor.

PHIL 425 - Philosophy of Mind

Credits: 3

Covers topics in the traditional philosophy of mind, e.g., the mind/body problem and more contemporary issues such as intentionality, mental representation, and folk psychology.

Prerequisite(s): one course in philosophy or consent of instructor.

PHIL 435 - Philosophy of Science

Credits: 3

An examination of the nature of scientific knowledge and the relation of science to culture.

Prerequisite(s): one philosophy course or consent of instructor.

PHIL 441 - Political and Legal Philosophy

Credits: 3

An examination of some central issues in political and legal philosophy, e.g., free speech, racial and sexual equality, constitutional interpretation and the relationship between law and morality.

Prerequisite(s): one philosophy course or consent of instructor.

PHIL 499 - Independent Study in Philosophy

Credits: 1-3

A course for individual research in a specific area of philosophy. Topics arranged to meet the specific interests of the student and faculty member involved. Course topic should not be covered in a regularly scheduled course. Course will be offered at the discretion and approval of a full-time faculty member who supervises the research.

Prerequisite(s): PHIL 200 or PHIL 201, junior standing, and permission of instructor.

Repeatability: May be repeated once for a maximum of six hours of credit.

PHYS 101 - Introduction to the Physical Sciences

Credits: 3

Lectures and demonstrations of physics at a primarily conceptual level. Basic problem solving and the scientific method are introduced. Topics covered include Newton's Laws, energy, momentum, light, electricity, magnetism, thermodynamics, fluids, and selected topics from modern physics.

USI Core 39: Ways of Knowing-Scientific and Mathematical Inquiry; Natural Science (BA and BS).

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (3-0)

This course is part of the Core Transfer Library (CTL).

Indiana Statewide Common Course #: IPS 1750.

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

PHYS 108 - Physics for Educators

Credits: 2

Physics 108 is an introductory survey of Physics principles that govern our everyday lives. It covers the topics of energy, motion, electricity and magnetism, light and optics, sound and waves, and thermodynamics. The lectures are interspersed with hands-on activities intended to reinforce concepts and to provide the students with ideas for teaching their own classes. This course is for teacher candidates only.

USI Core 39: Ways of Knowing-Scientific and Mathematical Inquiry; Natural Science with Lab

Prerequisite(s): MATH 100 (grade of C or better) or placement into MATH 111 or higher.

PHYS 175 - General Physics I

Credits: 4

Review of metric system and vectors, the laws of motion and applications, work and energy, states of matter and molecular properties, heat and thermodynamics. Calculus is not employed in the course.

USI Core 39: Natural Science with Lab (BA and BS).

Prerequisite(s): MATH 111 and MATH 112; or MATH 115; or MATH 118; or placement into MATH 230.

Co-Requisite(s) (must be taken at same time as): PHYS 175L.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (3-2)

This course is part of the Core Transfer Library (CTL).

Indiana Statewide Common Course #: IPS 1751.

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

PHYS 175L - General Physics I Laboratory

Credits: 0

Required laboratory accompanying PHYS 175. Includes experiments studying the laws of motion and applications, work and energy, states of matter and molecular properties, heat and thermodynamics.

Co-Requisite(s) (must be taken at same time as): PHYS 175.

PHYS 176 - General Physics II

Credits: 4

Wave motion and acoustics, electrostatic fields and potentials, electric current and circuit theory, magnetic fields, optics and the wave properties of light, atomic and nuclear physics. A continuation of PHYS 175.

USI Core 39: Natural Science with Lab (BA and BS).

Prerequisite(s): grade of C or better in PHYS 175.

Co-Requisite(s) (must be taken at same time as): PHYS 176L.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (3-2)

This course is part of the Core Transfer Library (CTL).

Indiana Statewide Common Course #: IPS 1752.

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

PHYS 176L - General Physics II Laboratory

Credits: 0

Required laboratory accompanying PHYS 176. Includes experiments studying wave motion and acoustics, electrostatic fields and potentials, electric current and circuit theory, magnetic fields, optics and the wave properties of light.

Co-Requisite(s) (must be taken at same time as): PHYS 176.

PHYS 205 - Intermediate Physics I

Credits: 5

An initial study of the phenomena and concepts of classical and modern physics in the areas of mechanics including energy and momentum principles, and heat and thermodynamics, with applications involving elementary calculus. An integrated laboratory serves to develop associated skills in measurement. Required of biophysics majors, minors, physics teaching majors, and engineering students.

USI Core 39: Natural Science with Lab (BA and BS).

Prerequisite(s): MATH 230.

Co-Requisite(s) (must be taken at same time as): PHYS 205L.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (4-2)

This course is part of the Core Transfer Library (CTL).

Indiana Statewide Common Course #: IPS 1753.

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

PHYS 205L - Intermediate Physics I Laboratory

Credits: 0

Required laboratory accompanying PHYS 205. Includes experiments studying the laws of motion and applications, work and energy, states of matter and molecular properties, heat and thermodynamics.

Prerequisite(s): MATH 230.

Co-Requisite(s) (must be taken at same time as): PHYS 205.

PHYS 206 - Intermediate Physics II

Credits: 5

A continuation of PHYS 205 in the areas of wave motion, acoustics, optics, electrostatics, circuit electricity, magnetism, and modern physics. Required of biophysics majors, minors, and engineering students.

USI Core 39: Natural Science with Lab (BA and BS).

Prerequisite(s): PHYS 205 (grade of C or better) and MATH 230.

Co-Requisite(s) (must be taken at same time as): PHYS 206L.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (4-2)

This course is part of the Core Transfer Library (CTL).

Indiana Statewide Common Course #: IPS 1754.

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

PHYS 206L - Intermediate Physics II Laboratory

Credits: 0

Required laboratory accompanying PHYS 206. Includes experiments studying wave motion and acoustics, electrostatic fields and potentials and potentials, electric current and circuit theory, magnetic fields, optics and the wave properties of light.

Prerequisite(s): PHYS 205 (grade of C or better).

Co-Requisite(s) (must be taken at same time as): PHYS 206.

PHYS 207 - Intermediate Physics I (Excluding Laboratory)

Credits: 4

This course is identical with PHYS 205 except the laboratory is excluded. This is intended for students who have previously acquired credit for the general physics laboratory by having completed course PHYS 175 or who have the equivalent in laboratory experience.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (4-0)

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

PHYS 208 - Intermediate Physics II (Excluding Laboratory)

Credits: 4

This course is identical to PHYS 206 except the laboratory is excluded. This is intended for students who have previously acquired credit for the general physics laboratory by having completed course PHYS 176 or who have the equivalent laboratory experience.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (4-0)

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

PHYS 311 - Electric Circuit Theory

Credits: 2

Direct current circuit theory. Alternating current circuit theory utilizing both methods of phasors and complex numbers. Problem solving is emphasized.

Prerequisite(s): PHYS 206, MATH 230.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (2-0)

PHYS 352 - Scientific Programming

Credits: 3

The application of computer programming to scientific problems. Students will learn how to formulate a scientific problem into a form relevant for a computer solution, and create a program that will solve the problem.

Prerequisite(s): PHYS 206 and MATH 335

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (2-1)

PHYS 361 - Modern Physics

Credits: 3

Physics of the 20th century. Atomic and nuclear phenomena relativity and other fundamental theories. An introduction to quantum mechanics is included.

USI Core 39: Ways of Knowing-Scientific and Mathematical Inquiry.

Prerequisite(s): PHYS 206, MATH 235.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (3-0)

PHYS 371 - Analytical Mechanics

Credits: 3

Theory and application of Newtonian mechanics using vector calculus methods. Topics include particle dynamics, energy and momentum principles, multiparticle systems. Problem solving is emphasized.

USI Core 39: Ways of Knowing-Scientific and Mathematical Inquiry.

Prerequisite(s): PHYS 205, MATH 235.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (3-0)

PHYS 381 - Electromagnetic Fields

Credits: 3

Formulation of the basic theory of electric and magnetic vector fields. Electrostatic and magneto static fields in free space and in material media, and the formulation of Maxwell's equations are included.

Prerequisite(s): PHYS 371, MATH 235.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (3-0)

PHYS 401 - Physics and Human Thought

Credits: 3

The course will cover some of the important ideas in physics and their relationship to other areas of human thought, e.g. philosophy, literature, and art. These relationships will be made through readings from works that have a direct connection to physics. The emphasis will be on learning the physical principles and their significance. The physical theories that will be covered include Newton's laws, energy conservation, the second law of thermodynamics, special relativity, and quantum mechanics. These theories will be framed in the context of the times in which they developed. The course will involve both the solving of "traditional physics problems" and the writing of essays relating the ideas developed in the problems to a wider context.

Prerequisite(s): MATH 111 or equivalent and PHYS 101 or equivalent.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (3-0)

PHYS 409 - Theoretical Mechanics

Credits: 3

Advanced methods in mechanics and higher theoretical formulations. Matrix and tensor methods are developed. Topics include rigid body mechanics, relativistic mechanics, Lagrangian and Hamiltonian formulations.

Prerequisite(s): PHYS 371, MATH 366.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (3-0)

PHYS 429 - Quantum Mechanics

Credits: 3

Fundamental physical theory pertaining to the microstate of matter. Topics include quantum mechanical solutions for the harmonic oscillators, the hydrogen atom, and the angular momentum states.

Prerequisite(s): PHYS 361, MATH 366.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (3-0)

PHYS 439 - Thermodynamics

Credits: 3

The first and second laws of thermodynamics; formulations, interpretations, and applications. The kinetic theory of gases and an introduction to the statistical mechanics.

Prerequisite(s): PHYS 371, MATH 235.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (3-0)

PHYS 471 - Observational Astronomy

Credits: 3

Lectures and practicum in the observation and understanding of the mechanics of the celestial sphere. Identification of the visible constellations, location, and observation of the planets, Messier objects, and solar and lunar studies. The orientation and use of the equatorial telescope will be emphasized. Two hours lecture and two hours laboratory.

Prerequisite(s): ASTR 201, MATH 112 or MATH 115.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (2-1)

PHYS 490 - Special Topics in Physics

Credits: 1-3

Advanced course for physics students.

Prerequisite(s): consent of instructor.

PHYS 499 - Research

Credits: 1-2

Advanced project in physics, done under instructor supervision.

Prerequisite(s): consent of instructor.

POLS 102 - Introduction to American Politics

Credits: 3

Explores the basic elements of the American political process and the institutions of American national government. Provides a foundation for the study of American government and politics.

USI Core 39: Ways of Knowing-Social Inquiry; Social Science-BS.

This course is part of the Core Transfer Library (CTL).

Indiana Statewide Common Course #: ISH 1002.

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

Term(s) Offered: Fall, Spring, Summer

POLS 202 - Introduction to Public Administration

Credits: 3

Examination of the organizational dynamics and external pressures that affect the administration of government institutions in the United States. Theories and concepts are discussed that pertain to a number of the administrative practices in national, state, and local government organizations: planning, budgeting, staffing, decision making, communicating, implementation, controlling, and evaluation.

POLS 203 - Introduction to the Policy Process in the United States

Credits: 3

Examination of the major theoretical approaches to the study of public policy and policymaking at the federal, state and local levels in the United States. The course focuses on critical elements of the policy process such as the definition of public problems, agenda setting, policy formulation, policy implementation, oversight, and policy change.

POLS 208 - Law, Courts, and Justice

Credits: 3

Sources, types, purposes, and sanctions of American law; functions of courts; problems of legal justice in the United States.

Cross-Listed: This course is cross-listed as CRIM 208.

Term(s) Offered: Fall, Spring

POLS 232 - Research Design and Data Collection

Credits: 3

An examination of how the scientific analyses to conducting focus groups and collecting data. Students will become better consumers of the political science literature, will become well versed in several data collection methods, and will become adept at writing research designs.

USI Core 39: Embedded Experience-Writing

Prerequisite(s): POLS 102, POLS 208, POLS 271, or POLS 281; ENG 201; political science major or minor.

POLS 271 - International Politics

Credits: 3

An introduction to the study of interstate political relations, power, nationalism, and international organizations; discussion of current trends in international affairs.

USI Core 39: Ways of Knowing-Social Inquiry; Embedded Experience-Global.

This course is part of the Core Transfer Library (CTL).

Indiana Statewide Common Course #: ISH 1003.

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

POLS 281 - Comparative Politics

Credits: 3

Introduction to the comparative study of governments and politics. Examines case studies of the political systems of selected nations, including non-democratic regimes such as communism, military rule, and theocracy.

USI Core 39: Ways of Knowing-Social Inquiry; Embedded Experience-Global.

Term(s) Offered: Spring

POLS 299 - Special Topics in Political Science

Credits: 3

Provides intensive examination of current political problems and issues as selected by the instructor. Topic will vary each time the course is offered.

Repeatability: May be taken twice for credit.

POLS 305 - State and Local Government

Credits: 3

The framework of states and their local governments in the United States. Indiana government is compared with that of other states. The course stresses the most important contributions of local governments to the federal system.

Prerequisite(s): one political science course or consent of instructor.

POLS 306 - Political Parties

Credits: 3

The structure and function of American political parties and their relationship to democratic government. Emphasis is placed upon party organization and strategy in the political process. Historical as well as current sources are utilized.

Prerequisite(s): one political science course or consent of instructor.

POLS 309 - American Political Theory

Credits: 3

Political thought from Puritan America to the present. Particular emphasis upon the great figures in the evolution of American political ideas.

USI Core 39: Embedded Experience-Writing.

Prerequisite(s): ENG 201 and one political science course.

POLS 314 - The American Presidency

Credits: 3

Office, role, and powers of the President in the American political system.

Prerequisite(s): one political science course or consent of instructor.

POLS 332 - Statistics and Data Analysis

Credits: 3

An examination of statistical techniques and data analysis in political science. Specific techniques will include descriptive statistics, model specification, measures of correlation, point estimation, construction of confidence intervals, parametric and non-parametric hypothesis testing, Analysis of Variance (ANOVA), and regression analysis.

Prerequisite(s): POLS 232; completion of University Core Curriculum or Core 39 math requirement; political science major or minor; .

POLS 351 - Leadership in Bureaucratic Organizations in the United States

Credits: 3

An examination of concepts, theories, and processes relating to leading and managing national, state, and local government bureaucracies in the United States. Particular attention is paid to how leadership and management styles are shaped by internal characteristics of government organizations and external political environments.

Prerequisite(s): one political science course or consent of instructor.

POLS 361 - Intergovernmental Relations in the United States

Credits: 3

An examination of the institutional structure of the American federal system, the basic features of contemporary intergovernmental relationships, the changes that national, state, and local governments have undergone in an era of devolution, and the challenges intergovernmental relationships pose for policy makers.

Prerequisite(s): one political science course or consent of instructor.

POLS 363 - Public Organizational Behavior

Credits: 3

This course provides an examination of theories of organizational behavior in public organizations. Students will learn about how individuals, groups, and the external environment influence the management of public organizations. Specific topics of the course include organizational structure, culture, power and politics, leadership, motivation, and performance. A strong emphasis will be placed on how managers can apply these theories and concepts toward improved decision making and performance for public organizations at the national, state and local level.

Prerequisite(s): POLS 102, POLS 202, POLS 203, POLS 208, POLS 271, or POLS 281.

POLS 371 - The United Nations

Credits: 3

An examination of the UN as an organization, UN functions, regional perspectives, and current issues.

Prerequisite(s): POLS 271 or POLS 281.

POLS 383 - Government and Politics of Latin America

Credits: 3

Comparative analysis of Latin American political structures, political movements, and political thought with emphasis upon constitutional structures; local, state, and national governments; the military; revolutions; organized labor; and contemporary affairs.

Prerequisite(s): POLS 271 or POLS 281.

POLS 384 - The Middle East

Credits: 3

Government and politics of nation-states in northern Africa and western Asia, with special attention to Israel, Iran, and members of the League of Arab States.

Prerequisite(s): POLS 271 or POLS 281.

POLS 385 - Western European Politics

Credits: 3

The course provides an introduction to Western European politics and government. Students will learn about the various political, economic, and social structures of several Western European countries, such as Britain, France, and Germany. Topics include parliamentary systems, political parties, economic policy, the welfare state, local government, political culture, and European integration.

Prerequisite(s): POLS 271 or POLS 281.

POLS 399 - Advanced Topics in Political Science

Credits: 3

An intensive examination of specialized topics in political science. May be taken twice for credit provided the topic is different.

Prerequisite(s): One political science course or consent of instructor.

POLS 404 - Indiana Constitutional Law

Credits: 3

An analysis of leading decisions of the Indiana Supreme Court, with special attention to how particular provisions of the Indiana Constitution have been interpreted. The course also examines issues relating to statutory interpretation and judicial review.

Prerequisite(s): one political science course or consent of instructor.

POLS 405 - Constitutional Law

Credits: 3

The growth of the American constitutional system by analysis of leading Supreme Court decisions, the role of the Court decisions, the role of the Court in American politics, evolution of the federal system, civil rights, problems of statutory interpretation, and judicial review of administrative action and regulations. Supplementary reading includes judicial biography and commentaries on the court.

Prerequisite(s): one political science course or consent of instructor.

Cross-Listed: This course is cross-listed as CRIM 405.

Term(s) Offered: Fall

POLS 406 - Constitutional Rights

Credits: 3

Analysis and discussion of leading decisions of the U.S. Supreme Court, with special attention given to civil rights, including the rights of persons accused of crime; freedom of speech, press, assembly, religion, separation of church and state, equal protection of the laws, and property rights.

Prerequisite(s): one political science course or consent of instructor.

Cross-Listed: This course is cross-listed as CRIM 406.

Term(s) Offered: Spring

POLS 407 - The Legislative Process

Credits: 3

The lawmaking process in Congress and selected legislative bodies in the United States; organization, powers, and problems of American legislatures.

Prerequisite(s): one political science course or consent of instructor.

POLS 410 - Interest Groups and Public Policy

Credits: 3

An intensive analysis of the major American interest groups and their impact upon the formation and implementation of public policy at the local, state, and national levels of government. Major emphasis is given to ethnic, business, labor, agricultural, veterans, and religious associations.

Prerequisite(s): one political science course or consent of instructor.

POLS 427 - Urban Politics and Governance

Credits: 3

Study and analysis of the major issues, problems, and political processes of urban America, along with topics on urban governance, such as government organization and rescaling.

Prerequisite(s): one political science course or consent of instructor.

POLS 445 - Ancient Political Theory

Credits: 3

Examines the political thinkers and ideas that founded the Western political tradition. Emphasis is upon the nature of virtue and the goals of government.

USI Core 39: Embedded Experience-Writing.

Prerequisite(s): ENG 201 and one political science course.

POLS 446 - Modern Political Theory

Credits: 3

Political thinkers from Machiavelli to Mill grapple with concepts such as liberty, equality and the proper relationship between the individual and the state.

USI Core 39: Embedded Experience-Writing.

Prerequisite(s): ENG 201 and one political science course or consent of instructor.

POLS 464 - Environmental Politics and Policy

Credits: 3

An examination of environmental politics and policies as related to international, national, state, and local issues. Primary focus on how environmental politics are created, implemented and enforced. Topics include air and water pollution, sustainable development and land use issues, and other contemporary environmental problems.

Prerequisite(s): POLS 102 or POLS 271 and junior standing or consent of instructor.

POLS 471 - International Organizations

Credits: 3

An examination of the development and administration of international organizations, both governmental and non-governmental, such as the United Nations, the European Union, the World Trade Organization, and non-profit organizations. International organizations are evaluated in the context of global issues, such as international and regional security, trade, development, environmental problems, and social and humanitarian issues.

Prerequisite(s): POLS 271 or POLS 281.

POLS 473 - International Law

Credits: 3

A systematic study of the origins, objects, sources, and theories of international law. Foremost in importance is the aim to enable students to analyze basic premises and principles of international law and to develop an awareness of the major international legal problems.

Prerequisite(s): POLS 271 or POLS 281.

POLS 487 - Government and Politics of Post-Communist States

Credits: 3

Government and politics of post-communist states, with special emphasis on Russia and China. Students will learn about the development of the socialist theory, the reality of life in communist countries, the collapse of communism, and current issues, such as political and economic reform, corruption, and ethnic conflict.

Prerequisite(s): POLS 271 or POLS 281.

POLS 495 - Judicial Internship

Credits: 3

Internship in a court for a minimum of 150 hours of supervised, professional work required. The internship experience will provide students with the opportunity to master and critique social science concepts and theories pertaining to the operation of judicial bureaucracies.

Prerequisite(s): junior or senior status and consent of instructor.

POLS 496 - Legal Internship

Credits: 3

Students work as interns in a law office or other law-related organizations for 150 hours. Students also must complete various academic requirements. Working in a law office or other law-related institution provides a pre-law student direct contact with the practical realities of the legal profession and the applications of law in society. This experience also helps a pre-law student decide whether to commit to law school. Thus, a legal internship is a valuable component of pre-law education.

Prerequisite(s): junior or senior status and consent of instructor.

POLS 497 - Legislative Internship

Credits: 6

Students serve as interns in the Indiana State Legislature. Students must be selected by one of the party caucuses in the House or Senate. In addition to working for state legislators, students must attend a speaker series and complete various academic requirements. Serving a one-semester internship in the Indiana State Legislature provides direct experience with the realities of practical politics. The internship provides students with concrete illustrations of the political concepts and processes presented in the classroom and thus are an integral part of a student's political education.

Prerequisite(s): junior or senior status and consent of instructor.

Term(s) Offered: Spring

POLS 498 - Research in Political Science

Credits: 3

Independent investigation of selected political problems under supervision of instructor.

Prerequisite(s): one political science course and consent of instructor.

Repeatability: May be taken twice.

POLS 499 - Senior Seminar in Political Science

Credits: 3

Intensive examination of selected political problems.

Prerequisite(s): POLS 332.

Repeatability: May be taken twice with topic change.

PRL 101 - Introduction to Public Relations

Credits: 3

Lecture, discussion, and practical application of basic public relations concepts and processes including public relations in corporations, government, and institutions, public opinion, communication media, ethics of public relations, and public relations campaigns.

Term(s) Offered: Fall, Spring, Summer

PRL 362 - Writing for Public Relations

Credits: 3

Techniques of writing news releases, newsletters, brochures, public service announcements, speeches, and other print and broadcast messages that are a part of the public relations profession.

USI Core 39: Embedded Experience-Writing.

Prerequisite(s): ENG 101 (grade of C or better), ENG 201 (grade of C or better), and PRL 101 (grade of C or better) or consent of instructor.

Term(s) Offered: Fall, Spring, Summer

PRL 364 - Publications Design

Credits: 3

Writing, editing, and designing specialized publications for business and industry. Computer-generated design will include newsletters, brochures, and other publications typically used by organizations in communicating with their target publics.

Prerequisite(s): junior standing and ENG 101 (grade of C or better), ENG 201 (grade of C or better), and PRL 101 (grade of C or better) or consent of instructor.

Term(s) Offered: Fall, Spring

PRL 365 - Public Relations Administration

Credits: 3

A course involving case studies and problems regarding the principles and application of effective two-way communications in a variety of situations affecting the practice of public relations.

Prerequisite(s): junior standing and PRL 362 (grade of C or better), or consent of instructor.

Term(s) Offered: Fall, Spring, Summer

PRL 366 - Seminar in Public Relations

Credits: 3

A rotating seminar that addresses various topics essential to the public relations practitioner.

Prerequisite(s): junior standing and PRL 101 (grade of C or better), ENG 101 (grade of C or better), and ENG 201 (grade of C or better) or consent of instructor.

Repeatability: May be taken only once.

Term(s) Offered: Fall

PRL 368 - Strategic Writing

Credits: 3

An applied writing course that focuses on strategically planning and preparing goal-oriented messages, and the selection of appropriate delivery techniques to communicate with an organization's target publics.

Prerequisite(s): PRL 362 (grade of C or better), ENG 101 (grade of C or better), and ENG 201 (grade of C or better), or consent of instructor. ENG 101

Term(s) Offered: Fall, Spring, Summer

PRL 400 - Independent Study in Public Relations

Credits: 1-3

This course is designed to provide an opportunity for upper division communications majors and minors to research subject areas in the field of public relations. A maximum of six hours may be taken; only three may be taken in any one semester. Students who wish to take independent study courses in the public relations curriculum should be aware of the following points: 1) Only six hours of independent study may apply toward a major in Communications; 2) No more than three hours of Public Relations 400 may be directed by the same instructor; 3) Students wishing to enroll in independent study courses must receive written permission from their instructors prior to registration.

Prerequisite(s): 21 credit hours in Communications, upper-division status, and written consent of instructor.

Term(s) Offered: Fall, Spring

PRL 461 - Seminar in Integrated Marketing Communications

Credits: 3

Approaching organizations' communications issues through the integration of advertising, marketing, and public relations strategies and techniques.

Prerequisite(s): senior standing and PRL 101 (grade of C or better) or ADV 101 (grade of C or better), and MKTG 201 (grade of C or better) or MKTG 305 (grade of C or better), and ENG 101 (grade of C or better) and ENG 201 (grade of C or better).

Cross-Listed: ADV 441; may be taken only once as one of these courses.

Term(s) Offered: Spring

PRL 465 - Institutional Advancement

Credits: 3

This course explores principles of institutional advancement (public relations) and development (fundraising). Topics covered include marketing, public relations, publications, alumni relations, annual appeal, planned giving, corporate and foundation relations, major gifts, and capital campaigns. The course examines ethical issues involved in all aspects of institutional advancement. This course focuses on institutional advancement in modern universities and non-profit institutions, providing students with a foundation in the institutional advancement field.

Prerequisite(s): PRL 101 (grade of C or better) and one course with a grade of C or better from: ADV 342, CMST 317, JRN 384, or PRL 362 and ENG 101 (grade of C or better) and ENG 201 (grade of C or better) or consent of instructor.

PRL 466 - Seminar in Public Opinion

Credits: 3

A study of the nature of public opinion and its influences on government, the role of mass media, poll-taking, propaganda techniques, relationship to voting habits, and a detailed examination of techniques developed and used by the press in influencing public opinion.

Prerequisite(s): junior standing.

PRL 467 - Crisis Communications

Credits: 3

Development of strategic plans and execution of communications for events that have the potential to generate negative news coverage of unfavorable public opinion of an organization.

Prerequisite(s): junior standing.

PRL 468 - Public Relations Campaigns

Credits: 3

A capstone course using research techniques to identify problems and/or public relations opportunities, to monitor implementation of communications programs, and to evaluate those programs using a planning process to develop public relations objectives, strategies, and tactics designed to meet client/employer needs. Students will develop a detailed public relations campaign plan for clients.

Prerequisite(s): PRL 368 (grade of C or better) and PRL 365 (grade of C or better), and junior standing or consent of instructor.

Term(s) Offered: Fall, Spring

PRL 489 - Internship in Public Relations

Credits: 1-3

Offers students job experience in the discipline through a minimum of 50 hours of supervised professional work per credit hour.

Prerequisite(s): junior standing and consent of instructor.

Repeatability: repeatable to a maximum of 3 hours.

Term(s) Offered: Fall, Spring, Summer

PRL 499 - Special Topics

Credits: 3

Topics will vary. The purpose of the course is to cover topics that are not specific courses in the curriculum.

Prerequisite(s): junior standing.

Repeatability: Course may be repeated once if the topic is different from the one previously taken.

PSY 201 - Introduction to Psychology

Credits: 3

A survey of basic concepts and methods of psychology as a behavioral science. Seeks to develop an understanding of the individual and social forces that influence and direct behavior. This course is a prerequisite for all other psychology courses.

USI Core 39: Ways of Knowing-Social Inquiry; Social Science-BS.

This course is part of the Core Transfer Library (CTL).

Indiana Statewide Common Course #: ISH 1020.

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

Term(s) Offered: Fall, Spring, Summer

PSY 202 - Orientation to a Major in Psychology

Credits: 1

This course is designed to provide an orientation to educational issues and career planning and development for students majoring in psychology.

Prerequisite(s): C or better in PSY 201.

Term(s) Offered: Fall, Spring

PSY 261 - Lifespan Developmental Psychology

Credits: 3

An examination of the theories, methods, and issues of lifespan human development. Biological, intellectual, emotional, linguistic, perceptual, and social aspects of growth and development from birth through old age are explored within the context of current and classical research in the field. Common physiological, familial, and social stresses associated with individual stages of development are reviewed.

Prerequisite(s): PSY 201.

This course is part of the Core Transfer Library (CTL).

Indiana Statewide Common Course #: ISH 1021.

Term(s) Offered: Fall, Spring, Summer

PSY 273 - Social Psychology

Credits: 3

A survey of concepts, topics, and research in social psychology. Including research methodology, cognitive dissonance, prejudice, attitudes, persuasion, conformity, attraction, group dynamics, aggression, and altruism.

Prerequisite(s): PSY 201.

This course is part of the Core Transfer Library (CTL).

Indiana Statewide Common Course #: ISH 1024.

Term(s) Offered: Fall

PSY 298 - Human Sexuality

Credits: 3

Considers sexuality from a broad scientific perspective. Areas covered include sex research and methods, the biological basis of sexuality, sexual behavior, sexuality and the life cycle, sexual problems, and social issues.

Prerequisite(s): PSY 201.

This course is part of the Core Transfer Library (CTL).

Indiana Statewide Common Course #: ISH 1022.

Term(s) Offered: Spring

PSY 303 - Research Methods and Statistics I

Credits: 3

An introduction to the research methods and statistics used by psychologists, with an emphasis on experimentation. Research designs, principles of methodology, and the statistical analysis of results will be emphasized.

Prerequisite(s): Grade of C in PSY 201 , PSY 202, and math core, plus three additional hours of psychology.

Term(s) Offered: Fall, Spring

PSY 312 - Sensation and Perception

Credits: 3

Focuses on physical and psychological aspects of human perception. Study of the senses will consider measurement, methodology, and organizational principles with primary focus on vision.

Prerequisite(s): PSY 201.

Term(s) Offered: Fall

PSY 322 - Abnormal Psychology

Credits: 3

A survey of past and present conceptions of abnormal behavior. Major diagnostic issues, including the role of psychological tests, are discussed. Symptoms, diagnostic criteria, and etiological factors underlying the major disorders are considered, as well as related legal issues. Selected treatments for these disorders are described and evaluated. Disorders considered include anxiety, dissociative, somatoform, psychophysiological, geriatric, affective, schizophrenia, substance abuse/addiction, sexual deviations, disorders of childhood and adolescence, and personality disorders.

Prerequisite(s): PSY 201.

This course is part of the Core Transfer Library (CTL).

Indiana Statewide Common Course #: ISH 1023.

Term(s) Offered: Fall, Spring, Summer

PSY 332 - Forensic Psychology

Credits: 3

Psychological theories and research that address legal issues, and the role psychologists play in the criminal justice system. Includes an overview of services provided by psychologists, assessment and therapeutic services, and ethical issues.

Prerequisite(s): PSY 201 or consent of instructor

Term(s) Offered: Fall

PSY 353 - Research Methods and Statistics II

Credits: 4

Advanced topics in the research methods and statistics used by psychologists, with an emphasis on experimentation.

Prerequisite(s): PSY 303 (grade of C or better).

Term(s) Offered: Fall, Spring

PSY 357 - Learning Theory

Credits: 3

The scientific study of learning over the last one hundred years has produced a sizable body of laws and principles describing how these processes work. This course investigates the ways in which organisms (human and non-human) change their behavior as a result of experience. The course provides the behaviorist perspective on such changes and therefore focuses on respondent and operant conditioning.

Prerequisite(s): PSY 201, three additional hours in Psychology.

Term(s) Offered: Fall

PSY 361 - Child and Adolescent Psychology

Credits: 3

This course takes an in-depth look at physical, cognitive, and social-emotional development and the inter-relationships of each from conception to adolescence. Topics such as the effects of heredity as well as pre and post-natal environments on growth will be examined in the context of current and classical research in the field. Emphasis will be placed on recent advances in the understanding of forces affecting adaptive and maladaptive development.

Prerequisite(s): PSY 201.

Term(s) Offered: Fall

PSY 362 - Clinical Psychology

Credits: 3

A survey of clinical psychology that considers types of problems, diagnostic instruments, clinical orientations, ethics, and the professional role of the clinical psychologist. Students learn to describe and differentiate among psychodynamic, behavioral, cognitive, humanistic, family and group approaches to treatment. Discussions, demonstrations, and supervised laboratory experiences provide opportunities to relate theoretical knowledge to interviewing, establishing rapport, and basic record-keeping.

Prerequisite(s): PSY 201 and either PSY 322 or PSY 462, or permission of instructor.

Term(s) Offered: Spring

PSY 371 - Adulthood and Aging

Credits: 3

This course involves an in-depth study of adulthood and aging by examining the major theories, research, and issues of psychological development. Topics covered will include personality, cognitive functioning, interpersonal relationships, mental and physical health, and sociocultural context.

Prerequisite(s): PSY 201.

Term(s) Offered: Spring

PSY 376 - Industrial Psychology

Credits: 3

Examination of psychological principles applied to personnel decision-making including job analysis, performance appraisal, training, and engineering psychology. Emphasis on the selection (hiring) process, including criterion development, standardized tests, simulation, interviews, selection battery validation, adverse impact, and test fairness.

Prerequisite(s): PSY 201 and any course in statistics or research methodology.

Term(s) Offered: Spring

PSY 377 - Sport Psychology

Credits: 3

Sport psychology focuses on psychological theories and research related to sport and exercise behavior. Students will learn how various psychological variables influence participation in sport and exercise contexts including the history and development of sport psychology as a field, group and team dynamics, motivation, leadership, communication techniques, and coaching strategies.

Prerequisite(s): PSY 201

Term(s) Offered: Fall

PSY 381 - Psychology of Gender

Credits: 3

Investigation of the psychological and physiological determinates of gender differences and similarities in behavior with emphasis on development of sex-role identity, interpersonal interactions, achievement and affiliation behavior, sex-typed behavior, socialization and personality perspectives.

Prerequisite(s): PSY 201.

Term(s) Offered: Spring

PSY 385 - Physiological Psychology

Credits: 3

The study of behavior as influenced by the nervous system. Physiological mechanisms that underlie behaviors such as sensory and motor processes, motivation, emotion, learning, and behavior pathology are emphasized. Biological background is helpful but not required.

Prerequisite(s): PSY 201.

Term(s) Offered: Spring

PSY 386 - Psycholinguistics

Credits: 3

Experimental study of language, including sentence comprehension and memory, language acquisition and development, speech perception, and effects of context, perception, reasoning, and linguistic structure on processing of language.

Prerequisite(s): PSY 201

Term(s) Offered: Spring

PSY 400 - Special Topics in Psychology

Credits: 3

Devoted to the study of psychological topics not currently part of the curricular offerings. Topics change with the interests of students and faculty.

Prerequisite(s): PSY 201 and approval of instructor.

Repeatability: Students may repeat the course as the topics change.

PSY 422 - Psychopathology in Children and Adolescents

Credits: 3

This course is an introduction to the description, classification, and academic study of psychological disorders in children and adolescents. Each class of disorders is examined with respect to course of development, core and associated characteristics, prevalence data, explanatory theories, causes and current treatment options as well as prevention strategies.

Prerequisite(s): PSY 201 and PSY 261 or PSY 361 or consent of instructor

Term(s) Offered: Fall

PSY 425 - Cognitive Psychology

Credits: 3

The study of how the human mind processes information. Topics include models of memory, categorization, concept formation, creativity, and imagery with emphasis on language comprehension and problem solving.

Prerequisite(s): PSY 201 plus nine additional hours in psychology.

Term(s) Offered: Spring

PSY 435 - Community Psychology

Credits: 3

This course will cover the basic theories and concepts that define the field of community psychology while utilizing a service learning approach to community action and research. Students will also learn about the principles of research that guide community psychologists, including traditional research methods, qualitative research methods, consulting, program development and evaluation, and participatory action research.

Prerequisite(s): PSY 201 and PSY 273 or consent of instructor

Term(s) Offered: Fall

PSY 462 - Personality

Credits: 3

Critical evaluation and comparison of major personality theories. Includes coverage of key issues in personality research such as person perception and cross-situational consistency.

Prerequisite(s): PSY 201 and nine additional hours in psychology.

Term(s) Offered: Spring

PSY 476 - Psychometrics

Credits: 3

The procedures of test planning, item writing, establishing reliability and validation are presented. Interpretation and combination of scores are covered. Representative tests are discussed to illustrate the principles of test construction and interpretation.

Prerequisite(s): PSY 201, PSY 303, and junior or senior standing.

Term(s) Offered: Spring

PSY 497 - Capstone in Psychology: History and Systems

Credits: 3

This course provides a rationale and method for studying the history of psychology as a distinct academic and professional discipline. The course also surveys important theoretical systems used to build the science and application of psychology. In addition, the impact of these historical and theoretical precedents upon contemporary research and practice are discussed.

Prerequisite(s): senior standing, PSY 303.

Term(s) Offered: Fall, Spring

PSY 498 - Internship

Credits: 3

Provides for a minimum of 150 hours supervised experience related to psychology. Students are expected to arrange internships with approval of instructor, maintain a log of their experiences, and meet regularly with instructor. Assignments are negotiated with the instructor based on the demands of the particular internship experience. A maximum of 3 hours may count toward the 41 hours necessary for the psychology major.

Prerequisite(s): PSY 201, junior or senior standing, 15 additional psychology hours, and permission of instructor.

Repeatability: May be repeated once for a maximum of six hours of credit.

Term(s) Offered: Fall, Spring

PSY 499 - Individual Study in Psychology

Credits: 1-3

A course intended primarily for individual research in a specific area of psychology. Topics arranged to meet the specific interest of the student and faculty member involved. May be elected on an arranged basis upon approval of the faculty member who is to serve as supervisor of the research. Credit does not count toward the hours necessary for the psychology major.

Prerequisite(s): PSY 201 and permission of the instructor.

Repeatability: May be repeated once for a maximum of six hours of credit.

Term(s) Offered: Fall, Spring

RADT 196 - Orientation to Radiologic and Imaging Sciences

Credits: 2

This course provides a general overview of radiologic technology history and practice. Students gain a beginning understanding of the value of radiologic sciences in a healthcare setting, survey the role of radiologic technologists in a variety of settings, recognize national and state credentialing requirements, identify radiologic technology association functions at all levels, and recognize ARRT standards, ethics, and policies and their effects on practicing radiologic technologists' conduct and patient treatment.

Prerequisite(s): No prereq.

Term(s) Offered: Fall, Spring, Summer

RADT 305 - Current Issues in Radiologic and Imaging Sciences

Credits: 3

This course examines the issues important to the radiographers and radiologic technologists practicing in the field of radiography. Human diversity, ethics, health care systems, hospital organizations, radiology organizations, accreditation, professional credentialing, professional organizations, and professional development are studied in relation to the field of radiology.

Prerequisite(s): pre-radiology majors and students admitted to the radiologic and imaging sciences programs or consent of instructor.

Term(s) Offered: Fall, Summer

RADT 307 - Critical Thinking Skills in Radiography

Credits: 3

This course is designed to emphasize the need for critical thinking and to identify factors that hinder critical thinking. This course focuses on identifying the qualities of a critical thinker through the review of numerous case studies, performance case studies for the ionized laboratory, and critical analysis of radiographs.

Prerequisite(s): pre-radiology majors and students admitted to the radiologic and imaging sciences programs or consent of instructor.

Term(s) Offered: Fall, Summer

RADT 308 - Introduction to Radiographic Positioning

Credits: 3

This course is an introduction to general anatomy, terminology, imaging principles, and positioning principles. Positioning methods required for radiographic examinations of the chest, abdomen, and upper extremity will be performed.

Prerequisite(s): acceptance in the Radiologic Technology program.

Term(s) Offered: Spring

RADT 311 - Introduction to Radiologic Technology

Credits: 3

This course introduces students to the field of radiologic technology with reference to the duties and responsibilities of the radiographer, types of equipment used, and image production. Radiation protection, personnel, and organizational structure also are discussed.

Prerequisite(s): acceptance in the Radiologic Technology program.

Term(s) Offered: Spring

RADT 312 - Radiographic Exposure

Credits: 3

This course presents the principles of radiographic image formation with respect to the variables that affect contrast, density, recorded detail, distortion, radiographic facilities, equipment, chemicals, film, radiographic processing, radiographic artifacts, silver recovery systems, x-ray tubes, tube rating, tube cooling charts, control of secondary radiation, and radiographic grids.

Prerequisite(s): RADT 308.

Term(s) Offered: Summer

RADT 313 - Radiographic Procedures I

Credits: 3

This course provides a detailed study of the anatomy and positioning methods required for radiographic examinations of the chest and abdomen; urinary, gastrointestinal, and biliary systems; upper extremity and shoulder girdle; and lower extremity.

Prerequisite(s): RADT 308.

Term(s) Offered: Summer

RADT 316 - Radiographic Procedures II

Credits: 3

This course is a detailed study of the anatomy and positioning methods required for radiographic examinations of the pelvis/hip, spine, ribs, sternum, sacrum, coccyx, SI joints, SC joints, cranium, and facial bones.

Prerequisite(s): RADT 313.

Term(s) Offered: Fall

RADT 318 - Radiographic Procedures III

Credits: 3

A detailed study of positioning methods required for trauma radiographic examinations of the cranium, facial bones, spine, chest, shoulder, upper extremities, abdomen, pelvis, hip, and lower extremities. Vital signs, patient assessment, medical emergencies, trauma terminology, types of fractures, common injuries for various types of trauma, common radiographic exposure factors, grid usage, and case studies will be presented.

Prerequisite(s): acceptance in the Radiologic Technology program or consent of instructor.

Term(s) Offered: Spring

RADT 333 - Clinical Practicum I

Credits: 2

This course is an introduction to radiographic/fluoroscopic rooms, image acquisition and manipulation, radiology office and information systems, hospital nursing units and ancillary departments. This course gives student radiographers supervised practical application of previously studied theory of patient care, imaging procedures and professional skills.

Prerequisite(s): RADT 308.

Term(s) Offered: Summer

RADT 334 - Radiologic Physics

Credits: 3

This course includes the physical principles underlying radiologic technology, with special attention given to the equipment required to generate x-rays, the nature and behavior of x-radiation, and the devices relevant to the practical applications of x-rays in diagnosis.

Prerequisite(s): RADT 312.

Term(s) Offered: Fall

RADT 335 - Radiation Biology

Credits: 2

This course is designed to study the biological effects of radiation at atomic, molecular, cellular, and systemic levels. In addition, short- and long-term somatic and genetic effect, dose limits, and methods of radiation protection for the patient and the technologist are discussed.

Prerequisite(s): none.

Term(s) Offered: Spring

RADT 337 - Introduction to Invasive Imaging Procedures

Credits: 2

An introduction to invasive procedures, including cardiovascular, neurological, and other specialized radiographic procedures. This course is designed to provide students with basic knowledge of aseptic procedures, sterilization, patient preparation, and instrument manipulation. The course will include an in-depth review of vascular, visceral and neurological anatomy visualized and imaged during invasive procedures. Radiologic and medical pharmacological agents will be discussed in regards to dosage, precautions and usage during invasive procedures.

Prerequisite(s): RADT 334.

Term(s) Offered: Spring

RADT 343 - Clinical Practicum II

Credits: 2

During this course students will apply knowledge and essential skills of radiographic positioning and exposure. Students will be exposed to clinical rotations in computed tomography and magnetic resonance imaging.

Prerequisite(s): RADT 312, RADT 313, RADT 333 and DMS 301.

Term(s) Offered: Fall

RADT 345 - Radiographic Pathology

Credits: 3

Studies the changes that occur with disease in the various systems of the body and the methods of examination and application to radiologic technology.

Term(s) Offered: Spring

RADT 353 - Clinical Practicum III

Credits: 2

This course is a continuation of RADT 343. Students will be exposed to clinical rotations in invasive procedure and start to orient to other clinical affiliates and their established protocols.

Prerequisite(s): RADT 343.

Term(s) Offered: Spring

RADT 355 - Advanced Patient Care for Imaging Sciences

Credits: 3

This course offers an advanced approach to patient care, patient education, and patient management within imaging sciences. Course content will include advanced patient assessment, emergency and lifesaving care, hemodynamics, pathology, pharmacology and contrast media administration.

Prerequisite(s): DMS 301.

Term(s) Offered: Spring

RADT 365 - Directed Study

Credits: 3

This course emphasizes individualized study in two major areas of diagnostic imaging which include radiographic procedures

and patient care procedures.

Prerequisite(s): RADT 334.

Term(s) Offered: Spring

RADT 411 - CT/MRI Physics and Instrumentation

Credits: 3

This course provides the students with a detailed study of the computed tomography and magnetic resonance imaging physics and instrumentation information. Course topics include principles of operation, system components, image characteristics, image resolution, image quality, scan design for spiral computed tomography, nuclear magnetism, precession of nuclei, production of the nuclear magnetic resonance signal, nuclear magnetic resonance pulses, nuclear magnetic resonance decay, production of the magnetic resonance image, magnetic resonance imaging equipment, image quality, image contrast, paramagnetic contrast agents, safety, and biological hazards.

Prerequisite(s): acceptance in the Radiologic Technology program.

Term(s) Offered: Fall, Summer

RADT 412 - Advanced Radiographic Exposure and Mobile Radiography

Credits: 3

This course provides an introduction to the principles of radiographic image formation with respect to digital radiography, image formation with respect to digital radiography, image intensifier tubes, and mobile radiographic equipment. This course helps the student apply critical thinking skills to case studies.

Prerequisite(s): RADT 312.

Term(s) Offered: Fall

RADT 413 - Magnetic Resonance Imaging and Computed Tomography Procedures I

Credits: 3

This course provides the students with a detailed study of the magnetic resonance imaging computed tomography procedures of the head and spine.

Prerequisite(s): acceptance in the Radiologic Technology program.

Term(s) Offered: Fall, Spring

RADT 414 - Clinical VII – CT/MRI

Credits: 3

This course provides the students with an introduction to the functions and basic procedures of magnetic resonance imaging and computed tomography. This course includes an overview of the field of MRI/CT, ethics, patient care, professional standards, and the clinical application of imaging skills of the following examinations: routine examinations of the head, skull, neck, cervical spine, thoracic spine, and lumbar spine. All MRI/CT procedures will be performed under the direct supervision of a registered MRI/CT technologist.

Prerequisite(s): acceptance in the Radiologic Technology program.

Term(s) Offered: Fall

RADT 415 - Magnetic Resonance Imaging and Computed Tomography Procedures II

Credits: 3

This course provides the students with a detailed study of the magnetic resonance imaging physics and computed tomography procedures of the thorax, abdomen, urogenital system, pelvis, hip, and knee.

Prerequisite(s): acceptance in the Radiologic Technology program.

Term(s) Offered: Spring, Summer

RADT 416 - Clinical VIII – CT/MRI

Credits: 3

This course provides the students with the introduction to the functions of magnetic resonance imaging and computed tomography. The students will perform the following routine examinations: the thorax, abdomen, pelvis, and knee. All MRI/CT procedures will be performed under the direct supervision of a registered MRI/CT technologist.

Prerequisite(s): acceptance in the Radiologic Technology program.

Term(s) Offered: Spring

RADT 421 - Radiologic and Imaging Sciences Clinical Education Methods

Credits: 3

This course focuses on clinical education principles and procedures for radiology programs. Lesson plan formation, unit plan organization, teaching strategies for the clinical educator, and evaluation methods are studied.

Prerequisite(s): none.

Term(s) Offered: Fall

RADT 424 - Radiologic and Imaging Sciences Practice and Management

Credits: 3

This course will provide students an opportunity to explore leadership within a diagnostic imaging department. Students will participate in classroom instruction or Internet delivered instruction. Students will share knowledge gained during clinical education and/or work environment with each other concerning positive experiences and difficulties they may have encountered. Students will focus on teamwork and problem-solving strategies as applicable in practice.

USI Core 39: Embedded Experience-Writing.

Prerequisite(s): RADT 345 and ENG 201

Term(s) Offered: Fall

RADT 425 - Radiographic Critique

Credits: 3

This course focuses on the general guidelines for radiographic critique. The student will critique radiographs on the following regions: chest and abdomen; upper and lower extremities; shoulder; pelvis and hip; cervical, thoracic, and lumbar vertebrae; ribs; and cranium.

Prerequisite(s): none.

Term(s) Offered: Fall

RADT 426 - Radiologic and Imaging Sciences Advanced Practice

Credits: 3

This course provides students with a practicum in clinical applications with general radiography and radiology management. The student will intern as an assistant clinical instructor or assistant radiologic manager in an accredited radiology clinical site. Concurrent with the clinical practicum the student will participate in classroom instruction or Internet-delivered instruction. Students will share knowledge with each other concerning positive experiences and difficulties they may encounter in their clinical practicum. Students will be supervised by clinical instructors and departmental managers.

Prerequisite(s): RADT 421 or RADT 305.

RADT 427 - Digital Radiography and Imaging Informatics

Credits: 3

This course provides students with a detailed study of digital radiography encompassing image acquisition and storage. Students will also study current radiology management systems and picture archival medical systems.

Prerequisite(s): registered radiologic technologist, registered nurse, or permission of the instructor.

Term(s) Offered: Fall, Spring

RADT 435 - Clinical Practicum IV

Credits: 3

This course is a continuation of RADT 353. Students will become oriented to the clinical outpatient radiology environment. In addition, students will utilize critical thinking skills and learn to prioritize duties as required during hours of optimized staffing.

Prerequisite(s): RADT 353.

Term(s) Offered: Summer

RADT 445 - Clinical Practicum V

Credits: 3

This course is a continuation of RADT 435. Students will expand their critique of images as it relates to pathological processes.

Prerequisite(s): RADT 435.

Term(s) Offered: Fall

RADT 455 - Clinical Practicum VI

Credits: 3

This course leads to final mastery of all clinical competencies with an introduction to night shift and alternate clinical environments.

Prerequisite(s): RADT 445.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (30 hours/week).

Term(s) Offered: Spring

RADT 456 - Imaging Sciences Seminar

Credits: 3

This course emphasizes individualized study in three major areas of diagnostic imaging which includes radiation protection; radiographic equipment operation and maintenance; and image production and evaluation.

Prerequisite(s): RADT 335.

Term(s) Offered: Spring

RADT 465 - Directed Study in Radiologic Technology

Credits: 3

This course emphasizes individualized study in the five major areas of diagnostic imaging which include radiation protection; radiographic equipment operation and maintenance; image production and evaluation; radiographic procedures; and patient care

procedures.

Prerequisite(s): RADT 435.

Term(s) Offered: Spring

RADT 480 - Special Topics in Radiologic and Imaging Sciences

Credits: 1-3

This course provides the opportunity for analysis and synthesis of concepts and research related to special topics in imaging sciences and healthcare.

Prerequisite(s): Students admitted to the radiologic and imaging sciences program or consent of instructor.

Repeatability: Students may enroll a total of two times for a maximum of six credit hours.

Term(s) Offered: Fall, Spring, Summer

RADT 486 - Clinical IX – CT/MRI

Credits: 3

This course provides students with the knowledge, theory, and proficiency in performing the following MRI/CT examinations: skull, head, sinuses, neck, cervical spine, thoracic spine, lumbar spine, pelvis, hip, and knee.

Prerequisite(s): registered radiographic technologist by the AART or a registered nurse and admission into the BS program in Radiologic and Imaging Sciences.

Term(s) Offered: Summer

RADT 491 - Professional Development and Literacy in Imaging Sciences

Credits: 3

A capstone course focusing on the synthesis of professional knowledge, skills, and attitudes in preparation for professional employment and lifelong learning. This course will explore the imaging technologist's contribution to the body of knowledge of the radiologic sciences, effectively analyze resources to promote growth within the profession, foster life-long learning skills to stay in step with the current health care environment and promote reflection in practice to meet required professional continued qualifications.

Prerequisite(s): RADT 196 and junior or senior standing.

Term(s) Offered: Fall, Spring

REST 101 - Respiratory Therapy Procedures I

Credits: 2

This course examines and studies the procedures, techniques, and equipment utilized in the administration of oxygen and other gases, with emphasis on analysis. It includes introductory topics pertinent to entering the respiratory care profession, e. g., patient assessment, basic modes of care, specific medical terminology, and general patient care.

Term(s) Offered: Fall

REST 102 - Respiratory Therapy Procedures II

Credits: 2

Emphasizes procedures, techniques, and equipment utilized in airway management and resuscitation. Correlates with Respiratory Therapy REST 101.

Term(s) Offered: Spring

REST 103 - Respiratory Therapy Procedures III

Credits: 2

Emphasizes procedures, techniques, and equipment utilized in humidification and aerosol therapy. Correlates with Respiratory Therapy REST 101 and REST 102.

Term(s) Offered: Fall

REST 104 - Respiratory Therapy Procedures IV

Credits: 4

Emphasizes procedures, techniques, and equipment utilized in ventilation assistance and control, volume ventilation, and long-term ventilation. Correlates with Respiratory Therapy REST 101, REST 102, and REST 103.

Term(s) Offered: Spring

REST 116 - Respiratory Care I

Credits: 2

Introduces the student to the scientific basis of respiratory care, including the study of the anatomy of the normal lung, gas exchange mechanisms, and interpretation and clinical application of arterial blood gases.

Term(s) Offered: Fall

REST 122 - Respiratory Physiology II

Credits: 1

Provides the student with additional information regarding lung physiology.

Term(s) Offered: Spring

REST 126 - Respiratory Care II

Credits: 1

Studies infectious diseases, the physiologic basis of mechanical ventilation, and introduces the student to physical diagnosis. Correlates with Respiratory Care REST 116.

Term(s) Offered: Spring

REST 205 - Respiratory Therapy Procedures V

Credits: 1

Examines and studies the procedures, techniques, and equipment utilized in the practice of lung physiotherapy, with emphasis on the mechanics of respiration, breathing exercises, and respiratory therapy care techniques. Involves clinical practice.

Term(s) Offered: Summer

REST 206 - Respiratory Therapy Procedures VI

Credits: 3

Studies, in theory and practice, the operation, handling, and maintenance of respiratory therapy equipment, including tests and maintenance of analyzers, humidifiers, masks, catheters, cannulae, inhalators, nebulizers, respirators, ventilators, and other specialized equipment and mechanical devices. Involves clinical practice.

Term(s) Offered: Summer

REST 214 - Pulmonary Diseases I

Credits: 3

Examines the etiology, pathophysiology, physical diagnosis, and respiratory care of pulmonary problems with physician rounds and examination of selected patients, and discussion of commonly related clinical problems.

Term(s) Offered: Fall

REST 222 - Respiratory Pathophysiology II

Credits: 1

Further explores the structure and function of the diseased lung with physician rounds and discussion of respiratory disorders. Involves clinical practice.

Term(s) Offered: Spring

REST 224 - Pulmonary Diseases II

Credits: 1

Further explores respiratory care of pulmonary problems, with weekly physician rounds continued. Correlates with Respiratory Therapy REST 214. Involves clinical practice.

Term(s) Offered: Spring

REST 230 - Ethics and Administration

Credits: 1

Presents the ethics adhered to by health professionals, describing the basic elements of organization and administration. Emphasis is on ethics pertinent to the ill person, with the examination of various hospital organizational structure and function, as these relate to the respiratory therapist.

Term(s) Offered: Fall

REST 261 - Clinical Applications Of Respiratory Therapy I

Credits: 3

Examines the relationship between theoretical concepts from the physician's point of view to the clinical practice of the respiratory therapist, with emphasis on emergency care and treatment, blood gas analysis, arterial puncture, and endotracheal intubation.

Term(s) Offered: Spring

REST 262 - Clinical Applications of Respiratory Therapy II

Credits: 2

Continuation of Respiratory Therapy REST 261, with emphasis on neonatology and pediatric ventilation and intubation.

Term(s) Offered: Spring

REST 263 - Clinical Applications of Respiratory Therapy III

Credits: 2

Continuation of Respiratory Therapy REST 261 and REST 262, with emphasis on general, thoracic, and neurosurgical conditions, as well as spirometry and pulmonary function.

Term(s) Offered: Spring

REST 291 - Clinical Practice of Respiratory Therapy Procedures I And III

Credits: 2

Practical study of the theory and practice of respiratory therapy and the treatment of respiratory diseases. Includes seminar discussions of client problems relevant to respiratory care.

Term(s) Offered: Fall

REST 292 - Clinical Practice of Respiratory Therapy Procedures II And IV

Credits: 1

Continuation of Respiratory Therapy REST 291.

Term(s) Offered: Spring

REST 293 - Clinical Practice of Respiratory Therapy Procedures V And VI

Credits: 1

Continuation of Respiratory Therapy REST 292.

Term(s) Offered: Summer

REST 294 - Clinical Practice of Respiratory Therapy I

Credits: 3

Provides experience in the clinical application of respiratory care in the critical care setting. Students also gain experience in other areas of the hospital including the OR, ER, and special care areas.

Term(s) Offered: Fall

REST 295 - Clinical Practice of Respiratory Therapy II

Credits: 1

Continuation of Respiratory Therapy REST 294.

Term(s) Offered: Spring

REST 391 - Clinical Practice of Respiratory Therapy III

Credits: 3

Provides experience in clinical respiratory therapy patient care. Emphasizes the assessment and management of patients in critical care and rehabilitation.

Term(s) Offered: Summer

RTV 150 - Practicum in Broadcasting

Credits: 1

Assignment of electronic media duties with radio station WSWI-AM, the Scripps Howard Video Production Complex, or in an approved CAP course. Students may earn up to eight hours credit for this course, but may enroll for no more than one credit hour per semester. No more than three credit hours may be applied to a major or minor in Communications.

Prerequisite(s): consent of instructor.

Term(s) Offered: Fall, Spring, Summer

RTV 151 - Survey of Contemporary Broadcasting

Credits: 3

A history and survey of broadcasting. This course traces the development of broadcasting to the present day, with emphasis on contemporary broadcasting with its social, cultural, and economic implications.

Term(s) Offered: Fall, Spring

RTV 255 - Media Production

Credits: 3

An introductory course covering the fundamentals of digital production techniques for radio, video, and audio and video streaming on the Internet.

Prerequisite(s): sophomore standing.

Term(s) Offered: Fall, Spring

RTV 256 - Broadcast Journalism

Credits: 3

Techniques of gathering, writing, editing, and producing news for radio and television. Topics will include broadcast style, working with wire services, codes of ethics, legal considerations, and news applications of audio and video technology.

Prerequisite(s): RTV 151 (grade of C or better) or COMM 192 (grade of C or better) and RTV 255 (grade of C or better) or consent of instructor.

Term(s) Offered: Fall, Spring, Summer

RTV 350 - Radio-Television Workshop

Credits: 1-3

A workshop course involving the planning, production, and presentation of radio and/or television program materials.

Prerequisite(s): RTV 255 (grade of C or better), ENG 101 (grade of C or better), and ENG 201 (grade of C or better) and written consent of the instructor.

Repeatability: A maximum of six hours credit may be taken in this course in the following manner: No more than three hours may be earned in radio nor more than three hours in television; No more than three credit hours in radio and/or television may be taken in any one semester;

Term(s) Offered: Fall, Spring, Summer

RTV 351 - Radio-Television Performance

Credits: 3

Specific training in broadcast performance situations applicable to both radio and television, including commercial announcing, news reporting, interviewing, and ad-lib announcing. Attention is given to pronunciation, articulation, and diction.

Prerequisite(s): RTV 255 (grade of C or better), ENG 101 (grade of C or better) and ENG 201 (grade of C or better), or consent of instructor.

Term(s) Offered: Fall, Spring

RTV 352 - Advanced Television Studio Producing and Directing

Credits: 3

Study of the problems and techniques of studio-based, multi-camera, real-time television production. Students will prepare, produce, and direct programs for broadcast.

Prerequisite(s): RTV 255 (grade of C or better), ENG 101 (grade of C or better) and ENG 201 (grade of C or better),

Term(s) Offered: Spring

RTV 353 - Advanced Video Field Production

Credits: 3

Study of the theory and practice of single camera video production with emphasis on concept and script development, camera technology, shot composition, lighting, computer nonlinear editing, and special effects. Students will prepare, produce, and direct

client-based PSAs and channel IDs for broadcast.

Prerequisite(s): RTV 255 (grade of C or better), ENG 101 (grade of C or better) and ENG 201 (grade of C or better), or consent of instructor.

Term(s) Offered: Fall

RTV 354 - Writing for Electronic Media

Credits: 3

Students will learn to write effective copy for radio, television, and the Internet. Assignments will involve writing of advertising and public service copy, and promotional materials for the electronic media. Legal and ethical issues, consumer behavior, and various advertising strategies will also be covered.

USI Core 39: Embedded Experience-Writing.

Prerequisite(s): ENG 101 (grade of C or better), and ENG 201 (grade of C or better); and either RTV 151 (grade of C or better) or ADV 101 (grade of C or better) or PRL 101 (grade of C or better).

Term(s) Offered: Fall, Spring, Summer

RTV 356 - Sportscasting

Credits: 3

A study of radio and television sportscasting, with an emphasis on radio. Emphasis will be placed upon play-by-play sports newscasts, interviewing, and features.

Prerequisite(s): RTV 255 (grade of C or better), ENG 101 (grade of C or better) and ENG 201 (grade of C or better) .

Term(s) Offered: Spring

RTV 357 - Advanced Broadcast Journalism

Credits: 3

A study of the policies and practices of broadcast news with an emphasis on reporting. Students will produce news packages and learn the decision making processes of broadcast news managers, including agenda setting, gate keeping, and diversity and ethical issues.

Prerequisite(s): RTV 255 (grade of C or better), RTV 256 (grade of C or better), ENG 101 (grade of C or better) and ENG 201 (grade of C or better).

Term(s) Offered: Fall

RTV 358 - Advanced Digital Audio Production

Credits: 3

In-depth study of the problems and techniques of preparing, producing and designing audio production for radio, video and the internet.

Prerequisite(s): RTV 255.

RTV 400 - Independent Study in Radio-Television

Credits: 1-3

This course is designed to provide an opportunity for upper-division Communications majors and minors to research subject areas in the field of radio-television. A maximum of six hours may be taken; only three hours may be taken in any one semester. Students who wish to take independent study courses in the radio-television curriculum should be aware of the following points: 1) Only six hours of independent study may apply toward a major in communications; 2) No more than three hours of Radio-Television 400 may be directed by the same instructor; 3) Students wishing to enroll in independent study courses must receive written permission from their instructors prior to registration.

Prerequisite(s): 21 hours of communications, upper-division status, and written consent of instructor.

Term(s) Offered: Fall, Spring, Summer

RTV 451 - Radio-Television Programming

Credits: 3

A study of current theories and practices of radio and television programming. The stimulation of creative thinking regarding media programming and its conversion into tangible and practical form. Special attention is given to important aspects of broadcast law and station management and their relationships to programming.

Prerequisite(s): RTV 151 (grade of C or better) and RTV 255 (grade of C or better), ENG 101 (grade of C or better) and ENG 201 (grade of C or better) or consent of instructor.

Term(s) Offered: Fall

RTV 452 - Broadcast and Cable Sales

Credits: 3

Techniques for selling time on radio, television, and cable. Includes interpretation of ratings reports, working with advertising agencies, preparation of sales presentations, and marketing.

Prerequisite(s): RTV 151 (grade of C or better) or ADV 101 (grade of C or better); and ENG 101 (grade of C or better) and ENG 201 (grade of C or better) or consent of instructor.

Term(s) Offered: Fall

RTV 453 - Broadcast and Cable Management

Credits: 3

The special problems encountered by managers of broadcast and cable operations. Emphasis on FCC regulations, managing "creative" personnel, serving the public interest, and other issues faced by radio, TV, and cable managers.

Prerequisite(s): RTV 151 (grade of C or better) or RTV 255 (grade of C or better); and ENG 101 (grade of C or better) and ENG 201 (grade of C or better) or consent of instructor.

Term(s) Offered: Spring

RTV 457 - Key Issues in Telecommunications

Credits: 3

A capstone course examining contemporary issues confronting broadcasters, cable operators, and Internet content providers. Economic, regulatory, social, and ethical issues are explored.

Prerequisite(s): RTV 151 (grade of C or better) or RTV 255 (grade of C or better); and ENG 101 (grade of C or better) and ENG 201 (grade of C or better) and senior standing.

Term(s) Offered: Fall, Spring

RTV 489 - Internship in Radio-Television

Credits: 1-3

Offers students job experience in the discipline through a minimum of 50 hours of supervised professional work per credit hour.

Prerequisite(s): junior standing and consent of instructor.

Repeatability: repeatable to a maximum of 3 hours.

Term(s) Offered: Fall, Spring, Summer

RTV 499 - Special Topics

Credits: 3

Topics will vary. Purpose of course is to cover topics that are not specific courses in the curriculum.

Prerequisite(s): ENG 101 (grade of C or better) and ENG 201 (grade of C or better); junior standing.

Repeatability: Course may be repeated once if the topic is different from the one previously taken.

Term(s) Offered: Fall, Spring, Summer

SOC 121 - Principles of Sociology

Credits: 3

An examination of social dynamics and consequences of social life. The main topics are culture, social groups, socialization, deviance, social stratification, race relations, gender, and family. It is required of majors and minors.

USI Core 39: Ways of Knowing-Social Inquiry; Social Science-BS; Embedded Experience-Diversity.

This course is part of the Core Transfer Library (CTL).

Indiana Statewide Common Course #: ISH 1060.

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

Term(s) Offered: Fall, Spring, Summer

SOC 200 - Special Topics in Sociology

Credits: 3

This course is a means for the study of selected topics of current interest and importance in sociology. These topics will vary in accordance with the interests of students and faculty. Students may repeat the course without limit as the topic changes.

Prerequisite(s): SOC 121.

SOC 225 - Criminology

Credits: 3

A consideration of criminality, its nature and extent, particularly in the United States. Includes analysis of the etiology of criminal behavior, the sociology of criminal law, and societal reaction to criminals.

Term(s) Offered: Fall

SOC 231 - Social Problems

Credits: 3

Examination of the nature, extent, causes, and effects of selected contemporary social problems, such as gender, sexual behavior, drugs, environment, economic inequality, racial inequality, crime, and education.

This course is part of the Core Transfer Library (CTL).

Indiana Statewide Common Course #: ISH 1061.

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

Term(s) Offered: Fall, Spring

SOC 251 - Principles of Social Psychology

Credits: 3

A general consideration of human behavior in social situations with particular emphasis on communication processes,

socialization, social roles, social self, and social groupings.

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

SOC 261 - Marriage and Family

Credits: 3

The course examines research about the family life cycle. The specific areas investigated are sex roles, a history of the American family, dating, sexual behavior, marriage, childbirth, children, the middle-aged, the elderly, divorce, and step-parenting.

USI Core 39: Ways of Knowing-Social Inquiry; Social Science-BS; Embedded Experience-Diversity.

Prerequisite(s): SOC 121.

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

SOC 335 - Juvenile Delinquency

Credits: 3

An in-depth study examination of juvenile delinquency and its causes, effects, treatment and prevention. Includes analysis of how social institutions influence delinquency, theoretical explanations for delinquency, and the creation and current efforts of the juvenile justice system.

Prerequisite(s): SOC 121 and junior standing.

Term(s) Offered: Spring

SOC 341 - Sociology of Medicine

Credits: 3

The social organization of medical care. The course considers patterns of morbidity and mortality, social epidemiology of disease, social effects of disease, doctor-patient relationships, cost of medical services, hospitalized patients, modes of medical practice, hospital organization, and programs of medical care.

Prerequisite(s): SOC 121.

SOC 343 - Sociology of Death and Dying

Credits: 3

The social structures and processes involved with death and dying. The course considers different concepts of death, death as a social disease, the demography of death, the determination of death, the funeral industry, the social psychology of dying, dying patients, and the survivors of death.

Prerequisite(s): SOC 121.

SOC 345 - Simulated Games of Society

Credits: 3

The study of society through the use of simulated games. The power structure, the social class system, the justice system, sex roles, different cultures, whole societies, ghettos, economic systems, municipal politics, and national political parties are simulated in classroom games to provide the student with experiential knowledge of these processes.

Prerequisite(s): SOC 121.

SOC 370 - Seminar in Sociology

Credits: 3

An intensive, small-group discussion of recent research on topics of current interest to sociologists. The seminar format will emphasize critical thinking and discussion.

Prerequisite(s): junior standing.

Repeatability: Students may take the course more than once as the reading list changes.

Term(s) Offered: Fall, Spring, Summer

SOC 371 - Classical Sociological Theory

Credits: 3

An examination of 19th and early 20th century developments in sociological theory. Course examines developments in some of the major theoretical traditions. The context and key ideas of each tradition will be considered. Students will read original texts.

Prerequisite(s): SOC 121 and three hours of sociology or consent of instructor.

Term(s) Offered: Fall

SOC 372 - Contemporary Sociological Theory

Credits: 3

An examination of early 20th century to present developments in sociological theory. Course examines developments in some of the major theoretical traditions. The context and key ideas of each tradition will be considered. Students will read original texts.

Prerequisite(s): SOC 371.

Term(s) Offered: Spring

SOC 375 - Social Change

Credits: 3

An investigation of change in cultural patterns, behavioral relationships, and social structure. Topics comprise social movements, work, urbanization, family, computerization, social organizations, and other aspects of American society.

Prerequisite(s): SOC 121 and junior standing.

SOC 391 - Introduction to Sociological Research

Credits: 3

An examination of the various methods that sociologists use to conduct research. Course work includes concept formation, sampling, questionnaire construction, content analysis, experiments, and field observations. Students learn how to conceptualize and design their own research project.

Prerequisite(s): nine hours of sociology/criminal justice studies courses.

Term(s) Offered: Fall

SOC 392 - Statistics for Social Research

Credits: 3

An introductory course in descriptive and inferential statistics. Course work includes probability, univariate statistics, bivariate statistics, and statistical modeling using the SPSS computer analysis software package. Students learn how to write research reports using statistical evidence.

Prerequisite(s): SOC 391, MATH 108 or MATH 111.

Term(s) Offered: Spring

SOC 415 - Sociology of the Environment

Credits: 3

A sociological approach to understanding the interaction of society and the natural environment. It focuses on social causes and consequences of environmental problems and mitigating actions taken toward them. It also addresses inequality in the distribution of environmental problems. Several specific cases are studied in detail.

Prerequisite(s): Any approved Diversity course and six hours of sociology or consent of instructor.

SOC 421 - Race and Ethnicity

Credits: 3

A sociological exploration of the origins and influence of race, ethnicity, and cultural/national identity in American and international stratification systems.

Prerequisite(s): six hours of sociology or consent of instructor.

SOC 424 - Population

Credits: 3

The quantitative and qualitative aspects of population and population trends in significant areas of the world; emphasis is on cultural implications with some attention to population research techniques.

Prerequisite(s): six hours of sociology or consent of instructor.

SOC 426 - Sociology of Deviant Behavior

Credits: 3

An examination of various concepts of deviant behavior, the nature and prevalence of such behavior, and the theories developed to explain deviance. The course emphasizes the relationship of such behavior to social structure and social processes.

Prerequisite(s): six hours of sociology or consent of instructor.

SOC 431 - Gender and Society

Credits: 3

An exploration of gender patterns. The course focuses on gender differences. It analyzes the causes and the consequences of these differences for social life, including the various social inequalities between males and females that have become institutionalized in American society.

Prerequisite(s): six hours of sociology or consent of instructor.

Term(s) Offered: Fall, Spring

SOC 441 - Social Movements

Credits: 3

Consideration of social movements as attempts to establish a new order of life. Analyzes states of development from inception to the achievement of full institutionalization. Specific social movements are examined such as the labor movement, the women's movement, and racial, religious, and political movements.

Prerequisite(s): six hours of sociology or consent of instructor.

SOC 461 - Sociological Issues in Education

Credits: 3

An examination of current problems and controversies in American education from preschool to college, particularly issues involving quality and equality. The course explores the reciprocal influence between educational institutions and other institutions in American society.

SOC 463 - Wealth and Poverty

Credits: 3

An examination of social stratification in U.S. society with comparisons to other countries. The course explores different indicators of inequality, the social class system, theories of inequality, poverty, social mobility, and legitimation of inequality. It also explores racial and gender stratification.

USI Core 39: Embedded Experience-Writing.

Prerequisite(s): ENG 201 and six hours of sociology or consent of instructor.

SOC 489 - Independent Study

Credits: 1-3

An extensive examination of the main sociological ideas on a specific topic. The major paper is a product of critical reading or advanced research.

Prerequisite(s): nine hours in sociology and consent of instructor.

Repeatability: The course may be taken up to six hours.

Term(s) Offered: Fall, Spring

SOC 499 - Internship in Sociology

Credits: 3

An opportunity for a job-related experience in the area of sociology. Students will be placed in an agency that reflects their future occupational interests.

Prerequisite(s): nine hours in sociology and consent of instructor.

Repeatability: The course may be taken up to six hours.

Term(s) Offered: Fall, Spring

SOCW 221 - Introduction to Social Work

Credits: 3

This course is an introduction to the field of social work. The class is designed to expose the student to the profession of social work, an overview of systems theory, and the relationship of the social worker to the overall social welfare system. The course will emphasize a core understanding of generalist social work practice, the NASW Code of Ethics, and the social work roles needed to impact systems to solve human problems. Special emphasis will be placed on helping the student to develop an understanding and appreciation for diverse cultures, social and economic justice, disabilities, and populations at risk. Open to all students.

Prerequisite(s): No prereq.

Term(s) Offered: Fall, Spring

SOCW 222 - Social Welfare: Emergence of the Social Services

Credits: 3

This course explores the philosophical and historical evolution of the American social welfare system. Course content will cover public and voluntary efforts to deal with poverty and other social problems. Theories of political influence on social change are addressed. Content on social justice, oppression, discrimination, spirituality, and diversity are included. Open to all students.

Term(s) Offered: Fall, Spring

SOCW 223 - Introduction to Gerontology

Credits: 3

This is an introductory course to the field of gerontology with an emphasis on programs, resources, and services provided to older populations. Open to all students.

Prerequisite(s): No prereq.

Term(s) Offered: Fall

SOCW 224 - Introduction to Social Justice

Credits: 3

Introduction to Social Justice is a semester-long course designed to engage students in the careful reading and critical analysis of topics related to social justice issues from historical perspectives. Through readings, guest speakers, field experiences, and independent inquiry, students will deepen their understanding of a variety of social justice movements.

Prerequisite(s): ENG 101 (may be taken concurrently)

SOCW 225 - Child Welfare Services

Credits: 3

This introductory course provides a survey of child welfare services in the human services field. Various services are examined including child abuse and neglect, adoption, foster care, and family support services. Open to all students.

Prerequisite(s): No prereq.

Term(s) Offered: Fall, Spring

SOCW 238 - Disabilities in Contemporary Society

Credits: 3

This course explores important issues regarding disabilities in contemporary society. The history of treatment of people with disabilities will be explored with an emphasis on the implications of this history in current programs and services. Special focus will be placed on a critical analysis of the assumptions that support contemporary thinking about disabilities and the service delivery systems based on these assumptions. The range of disabilities addressed will include developmental, adventitious, hidden, and visible. Open to all students.

Prerequisite(s): No prereq.

Term(s) Offered: Spring

SOCW 239 - Human Behavior and the Social Environment

Credits: 3

This course is designed as a focal point of integration for human behavior content already encountered in life span development, biology of human concern, and social work courses required of pre-majors. The overall goal of this course is to assist the student in understanding the "person-in-environment" and systems concepts when working with individuals, families, and groups. This course will provide opportunities for the student to understand the biological, psychological, sociological, and spiritual aspects of individuals as well as other cultures and minority groups. As a result, students will be able to integrate these components of human behavior as generalist social workers.

Prerequisite(s): SOCW 221, SOCW 222, SOC 121, PSY 201, PSY 261, and BIOL 105.

Term(s) Offered: Fall, Spring, Summer

SOCW 241 - Social Work Intervention

Credits: 3

Basic introduction to generalist social work practice and its various modes of intervention. The course gives the student a frame of reference for analyzing various systems encountered in social work practice and an opportunity to experience some of the concepts, skills, value systems, and activities which are the foundation of the practice of social work.

Prerequisite(s): SOCW 221, SOCW 222, PSY 201, PSY 261, SOC 121, and BIOL 105.

Term(s) Offered: Fall, Spring, Summer

SOCW 323 - Social Work Practice with the Aged

Credits: 3

This course is designed to give the student an overview of the variety of social, psychological, physical, economical, and environmental issues that confront our aging population today. Students will be exposed to a number of social work generalist roles, primary prevention strategies, and relevant social work interventions which are based on major theoretical approaches in working with this population. Open to all students.

Prerequisite(s): No prereq.

Term(s) Offered: Spring

SOCW 325 - Introduction to Social Work Statistics

Credits: 3

This basic statistics course is designed to expose students to descriptive and inferential statistical measurements. The course will overview various methods of data collection, analysis, and presentation. Research methodology and related issues will be examined as they pertain to the social work researcher and more specifically, the social work practitioner.

Prerequisite(s): SOCW 221 and MATH 100. Open to social work majors and pre-majors or consent of instructor.

Term(s) Offered: Fall, Spring

SOCW 326 - Introduction to Social Work Research

Credits: 3

The course is designed to expose the student to the fundamentals of social work research methodology. Students will gain basic skills and knowledge related to hypothesis development, sampling procedures, research methodology, measurement processes, and evaluative procedures. Careful attention will be paid to research methodology used by the social work professional to evaluate macro and micro practice situations and program development.

Prerequisite(s): SOCW 325 and open to social work majors and pre-majors or consent of instructor.

Term(s) Offered: Spring

SOCW 340 - Communications Skills

Credits: 3

A laboratory experience that engages students in experiential learning situations which enhance interpersonal communication and

professional interviewing skills essential to the helping professions. Variables including culture, race, gender, age, ethnic background, disability, and social and economic justice will be examined as they impact the professional communications process. Open to social work majors only.

Term(s) Offered: Fall

SOCW 341 - Social Welfare Policy-Program and Service Delivery Analysis

Credits: 3

Social work is a policy-based profession and this course takes the student through the analysis of policy as it affects the practice of social work. The student will study the historical, social, political, and economical aspects of social welfare policy and engage in the analysis of a social welfare policy. The course also will be examining the impact of policy change on both diverse groups and populations at risk. Open to social work majors only.

USI Core 39: Embedded Experience-Writing.

Prerequisite(s): ENG 201

Term(s) Offered: Spring

SOCW 342 - Social Work Practice with Micro Systems I

Credits: 3

This course is designed to build knowledge and develop the skills needed to work with individuals in a variety of settings. Generalist practice intervention is used as a model to help the student in understanding and completing assessments and in developing intervention plans among diverse populations and populations at risk. The student also will explore ethical and value issues that confront the social worker. Open to social work majors only.

Term(s) Offered: Fall

SOCW 343 - Social Work Practice with Micro Systems II

Credits: 3

The purpose of this course is to train student social workers in group methods that will be utilized in generalist social work practice situations. The types of social group work are covered, the history of group work, and the skills needed to be an effective group leader are presented. Students also will be exposed to group work with both diverse groups and/or populations at risk. Open to social work majors only.

Term(s) Offered: Spring

SOCW 344 - Social Work Practice with Macro Systems

Credits: 3

The macro course prepares social work students to facilitate planned changes in the community and within agencies. Social work

macro practice theory and strategies will be presented to students in the course. The student will demonstrate learning by identifying a problem or need in the community, developing an implementation plan based on solid research, and carrying out the implementation plan and evaluating the results. Open to social work majors only.

Term(s) Offered: Fall

SOCW 390 - Independent Study in Social Work

Credits: 1-3

This course is intended for the examination of special topics in social work on an individual basis. Topics will be developed and examined on an arranged basis in agreement with the student and the supervising faculty member. Research will culminate in a scholarly paper submitted by the student.

Prerequisite(s): social work junior standing and consent of instructor.

Term(s) Offered: Fall, Spring, Summer

SOCW 392 - Global Social Work

Credits: 3

This course is designed for students seeking to increase their global awareness by engaging in social service work outside the United States. Included in the course is a visit to another country where students will apply social work skills and values through service learning activities.

Prerequisite(s): SOCW 221, permission of instructor, and sophomore standing.

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

Term(s) Offered: Spring

SOCW 400 - Special Topics in Human Service Practice

Credits: 3

This course provides students exposure to a variety of selected topics of current interest and importance in human service delivery. These topics will change with the interests of faculty and students.

Prerequisite(s): Sophomore standing.

Term(s) Offered: Fall, Spring, Summer

SOCW 401 - Social Work Practicum I

Credits: 3

An experiential, on-site supervised learning opportunity consisting of a minimum of 150 contact hours per semester or approximately 12 hours per week in a local social service agency approved by the director of field in the Social Work

Department. The student will be exposed to the actual skills and behavior of the professionals in social work and will have the opportunity of testing newly formed values and knowledge. Open to social work majors only.

Prerequisite(s): Senior standing and consent of the director of field.

Co-Requisite(s) (must be taken at same time as): SOCW 402.

Term(s) Offered: Fall

SOCW 402 - Social Work Practice I

Credits: 3

The focus is on integrating classroom knowledge content as it relates to the issues of the field practicum. Open to social work majors only.

Prerequisite(s): Senior standing and consent of the director of field.

Co-Requisite(s) (must be taken at same time as): SOCW 401.

Term(s) Offered: Fall

SOCW 411 - Social Work Practicum II

Credits: 6

Course provides supervised experiential learning external to the classroom. A minimum of 300 contact hours per semester or approximately 20 hours per week are spent in a community social service agency or related organization to develop social work skills and gain supervised practice in performing the role of social worker. Open to social work majors only.

Prerequisite(s): Senior standing, completion of all social work major courses except SOCW 412 and SOCW 413, and consent of the director of field.

Concurrent (may be taken at same time): Must be taken concurrently with SOCW 412.

Term(s) Offered: Spring

SOCW 412 - Social Work Practice II-Integration Seminar for Social Work Practicum II

Credits: 3

Focus is on providing field students the opportunity of resolving issues encountered in the practicum by consulting with their peers. Under the direction of the faculty, the students participate in consultation/training and peer interaction to enhance the learning gained in the field practicum. Open to social work majors only.

Prerequisite(s): Senior standing, completion of all social work major courses except SOCW 411 and SOCW 413, and consent of the director of field.

Concurrent (may be taken at same time): Must be taken concurrently with SOCW 411.

Term(s) Offered: Spring

SOCW 413 - BSW Project-Research Study

Credits: 3

The student will choose from one of several "Project Options." With the guidance of the social work faculty, students are expected to carefully develop a project which culminates in a "Senior Level" project or research term paper. The paper will be developed in the final semester of the student's senior year. The student must have completed all social work requirements, with the exception of SOCW 411 and SOCW 412 . Open to social work seniors only.

Term(s) Offered: Spring

SPAN 101 - Beginning Spanish I

Credits: 3

Fundamentals of Spanish; no previous Spanish required. Emphasis on the four language skills of listening, speaking, reading, and writing in the cultural context of the Spanish speaking countries. In addition to regular class meetings, students are required to complete one hour per week in the language lab.

USI Core 39: World Languages-BA; World Language and Culture-BS; Embedded Experience Diversity.

This course is part of the Core Transfer Library (CTL).
Indiana Statewide Common Course #: IWL 1910.

SPAN 102 - Beginning Spanish II

Credits: 3

Fundamentals of Spanish; continuation of SPAN 101 . Emphasis on the four language skills of listening, speaking, reading, and writing in the cultural context of the Spanish speaking countries. In addition to regular class meetings, students are required to complete one hour per week in the language lab.

USI Core 39: World Languages-BA; World Language and Culture-BS; Embedded Experience Diversity.

Prerequisite(s): SPAN 101 or consent of instructor.

This course is part of the Core Transfer Library (CTL).
Indiana Statewide Common Course #: IWL 1911.
Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

SPAN 203 - Intermediate Spanish I

Credits: 3

Continuation of SPAN 102. Emphasis on the four language skills of listening, speaking, reading, and writing in the cultural context of the Spanish-speaking countries. In addition to regular class meetings, students are required to complete one hour per week in the language lab.

USI Core 39: World Languages-BA; World Language and Culture-BS; Embedded Experience Diversity.

Prerequisite(s): SPAN 102 or consent of instructor.

This course is part of the Core Transfer Library (CTL).

Indiana Statewide Common Course #: IWL 1912.

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

SPAN 204 - Intermediate Spanish II

Credits: 3

Continuation of SPAN 203. Emphasis on the four language skills of listening, speaking, reading, and writing in the cultural context of the Spanish-speaking countries. In addition to regular class meetings, students are required to complete one hour per week in the language lab.

USI Core 39: Ways of Knowing-World Languages and Culture; World Languages-BA; World Language and Culture-BS; Embedded Experience-Diversity.

Prerequisite(s): SPAN 203 or consent of instructor.

This course is part of the Core Transfer Library (CTL).

Indiana Statewide Common Course #: IWL 1913.

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

SPAN 205 - Cultural Contexts for Conversation

Credits: 3

Intensive oral practice of Spanish on the intermediate level. Topics include Hispanic popular culture, current events, work, and travel.

Prerequisite(s): SPAN 203 or consent of instructor.

Concurrent (may be taken at same time): May be taken concurrently with SPAN 204 or SPAN 306.

SPAN 275 - The Hispanic Film

Credits: 3

Weekly showings and discussions of Hispanic films. Analysis of the thematic and artistic diversity from its beginnings in the early 20th century to the present. (Course taught in English)

USI Core 39: Ways of Knowing-Creative and Aesthetic Expression; Embedded Experience-Global.

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

SPAN 303 - Spanish for Heritage Speakers

Credits: 3

Expansion of bilingual proficiency of Spanish-heritage speakers. Emphasis on basic language development in reading, writing, and cultural knowledge.

Prerequisite(s): consent of instructor.

SPAN 306 - Advanced Spanish I

Credits: 3

Continuation of SPAN 204. Emphasis on the four language skills of listening, speaking, reading, and writing in the cultural context of the Spanish-speaking countries. In addition to regular class meetings, students are required to complete one hour per week in the language lab.

USI Core 39: Ways of Knowing-World Languages and Culture; Embedded Experience-Diversity.

Prerequisite(s): SPAN 204 or consent of instructor.

SPAN 307 - Advanced Spanish II

Credits: 3

Continuation of SPAN 306. Emphasis on the four language skills of listening, speaking, reading, and writing in the cultural context of the Spanish-speaking countries. In addition to regular class meetings, students are required to complete one hour per week in the language lab.

Prerequisite(s): SPAN 306 or consent of instructor.

SPAN 308 - Hispanic Cultures

Credits: 3

Study of Hispanic cultures, emphasizing developments in language, literature, philosophy, the arts, politics, traditions and institutions from the beginnings to present. (Course may be taught in English.)

USI Core 39: Ways of Knowing-World Languages and Culture; Embedded Experience-Global.

Prerequisite(s): SPAN 306.

SPAN 325 - Introduction to Hispanic Literature

Credits: 3

Critical readings and literary and cultural analysis of selected Latin American and Spanish texts from the Middle Ages to present in the major literary genres.

Prerequisite(s): SPAN 306 or consent of instructor.

SPAN 332 - US Latino Literature and Culture

Credits: 3

A study of Latino Voices in the United States.

Prerequisite(s): SPAN 306 or consent of instructor.

SPAN 333 - Afro-Latin American Studies

Credits: 3

Study of social conditions, and literary and cultural products of Latin American minorities of African descent that have contributed to the establishment of modern nation-states.

Prerequisite(s): SPAN 306 or consent of instructor.

SPAN 335 - Spanish for the Professional

Credits: 3

Study of the working knowledge of the target language, cultural behaviors, and values useful in various professional fields. Course may include a service learning component.

Prerequisite(s): SPAN 306 or consent of instructor.

SPAN 344 - Hispanic Literature in Translation

Credits: 3

Study and analysis of selected Spanish American and Spanish literary masterworks in English translation.

SPAN 365 - Introduction to Applied Linguistics

Credits: 3

Focuses on the development of language in human beings, first and second language acquisition in formal or informal settings,

including computer-assisted language learning. (Course taught in English)

Prerequisite(s): Sophomore standing

SPAN 402 - Composition and Stylistics

Credits: 3

Intensive practice of original compositions with a review of the difficult points of grammar, directed to promote students to write Spanish correctly and to develop a literary style.

Prerequisite(s): SPAN 306 or consent of instructor,

SPAN 411 - Spanish Linguistics I

Credits: 3

Fundamentals of Spanish phonetics, phonology, and dialectology.

Prerequisite(s): SPAN 306 or consent of instructor,

SPAN 412 - Spanish Linguistics II

Credits: 3

Fundamentals of Spanish morphology, syntax, and semantics, including an overview of the history of the Spanish language.

Prerequisite(s): SPAN 306 or consent of the instructor.

SPAN 413 - Spanish American Narrative

Credits: 3

The study of Spanish American narrative from romantic to psychological, text, including the novel.

Prerequisite(s): SPAN 307 or consent of the instructor.

SPAN 414 - Hispanic Poetry

Credits: 3

Study of the development and understanding of traditional poetry forms as manifested in the literature of Spanish America and

Spain.

Prerequisite(s): SPAN 307 or consent of instructor.

SPAN 415 - The Hispanic Essay

Credits: 3

Literary analysis of ideas of the principle thinkers of Spanish American countries and Spain through their most important works.

Prerequisite(s): SPAN 307 or consent of instructor.

SPAN 417 - Hispanic Drama

Credits: 3

Study of 20th century drama, emphasizing the contributions of dramatic traditions in Latin America and Spain.

Prerequisite(s): SPAN 307 or consent of instructor.

SPAN 454 - Golden Age Drama

Credits: 3

The verse dramas which illustrate the dramatic techniques and themes prevalent in Spain (1600-1700).

Prerequisite(s): SPAN 307 or consent of instructor.

SPAN 460 - Internship in Spanish

Credits: 1-6

An opportunity for job-related experience in the area of language studies.

Prerequisite(s): Consent of department chairperson.

Repeatability: The course may be taken for a maximum of six credit hours.

SPAN 490 - Special Topics in Spanish

Credits: 3

Specialized topics to study in the fields of Spanish language study, teacher preparation, culture, and literature..

Prerequisite(s): Consent of instructor.

Repeatability: Students may repeat the course without limits as the topic changes.

SPAN 499 - Individual Study in Spanish

Credits: 1-3

Research or advanced study in a specific area of Hispanic literature, culture, education, or language, culminating in an analytical paper or comprehensive exam.

Prerequisite(s): Approval of department chair.

Repeatability: May be taken for up to six credit hours.

SPTM 223 - Principles of Recreation

Credits: 3

As an introductory course in recreation services, emphasis is placed on the history, concepts, principles, and philosophical rationale of the recreation movement. Types of recreation sponsorship are analyzed, and a detailed investigation is made into the function of governmental levels in recreation. Future implications for recreation as a profession are analyzed in light of current trends. Course topics include philosophy, history, theory, and survey of public and private recreation service organizations. As an introductory course in recreation and leisure services, emphasis is placed on the history and development of concepts, principles, and philosophical rationale of the recreation movement. The development of leisure and recreation is investigated from ancient to modern times. Future implications for recreation as a profession are analyzed in light of current trends. Course topics include historical investigations of the philosophic and theoretical bases of public and private recreation service organizations.

USI Core 39: Ways of Knowing-Historical Inquiry; Embedded Experience-Writing.

Prerequisite(s): ENG 201.

Term(s) Offered: Fall

SPTM 225 - Principles of Intercollegiate Athletic Administration

Credits: 3

This course provides a comprehensive view of management processes such as the hiring of coaches, generating revenue to cover expenses, recruiting and its mechanics and regulations, ensuring the well-being of student-athletes, and Title IX enforcement.

Term(s) Offered: Fall

SPTM 226 - Principles and Problems of Coaching

Credits: 3

Examines the basic philosophies and concepts of coaching. Attention is focused on the background information of coaching in general rather than on specific sports. Topics of study include the background of athletics, program organization, conditioning, motivation, and public relations as they relate to the coaching position.

Term(s) Offered: Fall, Spring

SPTM 228 - Principles and Applications of Sport Management

Credits: 3

Introduces the foundations and principles on which sport management operates. A general overview of the sport industry and the fundamental knowledge and skill sets of the sport manager are discussed. Potential employment and career choices are highlighted.

Term(s) Offered: Fall, Spring

SPTM 263 - Outdoor Adventure Education

Credits: 2

This course covers the philosophy of Outdoor Adventure Education by examining the practical organizational and instructional skills needed for outdoor leadership. The student will be presented with definitions of terms related to outdoor education, historical antecedents, environmental and adventure education. This course will also present perspectives on the social and psychological benefits of outdoor education.

Term(s) Offered: Summer

SPTM 283 - Field Experience in Sport and Exercise

Credits: 1

Provides students with practical experiences in sport and exercise related fields. Students have the opportunity to observe professionals at work and learn about the basic operations of a facility and about programs and services offered.

Prerequisite(s): Must be a declared exercise science, kinesiology, sport management, or health professions major.

Term(s) Offered: Fall, Spring

SPTM 288. - Introduction to Sport Communication

Credits: 3

The course will provide a comprehensive understanding of the emerging field of sport communication. Through the examination of key research, current trends, industry demands, and the organizational value of sport communication, readers will gain a thorough grounding in the diverse areas the field offers for both academic study and professional practice.

Term(s) Offered: Fall

SPTM 302 - Practicum in Recreational Sports

Credits: 3

Integrates coursework with planned and supervised recreational sports experiences for a total of 150 hours.

Prerequisite(s): Sophomore standing

Term(s) Offered: Fall, Spring, Summer

SPTM 303 - Practicum in Intercollegiate Athletics

Credits: 3

Integrates coursework with planned and supervised intercollegiate athletic experiences for a total of 150 hours.

Prerequisite(s): Sophomore standing

Term(s) Offered: Fall, Spring, Summer

SPTM 304 - Research Methods in Kinesiology and Sport

Credits: 3

This course will explore the identification and evaluation of research problems within the fields of kinesiology and sport. Students will engage in the interpretation of research in sport management, exercise science, human movement science, leisure, and athletic training; and will learn basic statistical analysis and interpretation. Attention will be paid to the research process including research design, data collection methods and dissemination of pertinent results.

Prerequisite(s): Foundational core MATH course.

Cross-Listed: KIN 304.

SPTM 332 - Sport Facility Management

Credits: 3

Introduces students to skills needed to manage a sport facility including operations, maintenance, finance/budgeting, purchasing, human resources, security, design/ development, and legal issue within diverse settings. Practical application is provided through exercises that are completed by visiting sport facilities in the community during the semester.

Prerequisite(s): Sophomore standing.

Term(s) Offered: Fall, Spring

SPTM 333 - Sport Marketing

Credits: 3

Introduces marketing tools that are utilized within the sport industry, at the promotions, branding strategies, and product position statements. professional, intercollegiate, and interscholastic levels. Sport marketing plans are created, which provide practical experience in developing SWOT analyses, market segmentation approaches, pricing schemes, sponsorship packages, promotions, branding strategies, and product position statements. Students also gain knowledge of foundational concepts such as consumer behavior and market research.

Prerequisite(s): Sophomore standing.

Term(s) Offered: Fall, Spring

SPTM 334 - Sport Event Management

Credits: 3

Introduces planning, funding, operating, and evaluating events within the sport industry. Provides practical application through the involvement of planning and managing events during the semester.

Prerequisite(s): Sophomore standing.

Term(s) Offered: Fall, Spring

SPTM 335 - Sport Publicity and Promotion

Credits: 3

Introduces the responsibilities of college sports information directors or professional sports public relations professionals including writing press releases, creating media kits, and developing crisis communication plans. Additional topics of discussion include the integration of public relations with strategic management, interviews and press conferences, internal and external communication, legal aspects of PR, and the symbiotic relationship between sport and the media.

Prerequisite(s): Sophomore standing

Term(s) Offered: Fall, Spring

SPTM 336 - Governance and Ethics in Sport

Credits: 3

Encourage students to integrate management and ethical theory with governance and policy development practices. Introduction to the power and politics, as well as the ethical problems, dilemmas, and conflicts within different sport organizations and the basics of managerial activities necessary for sport governance and policy development.

USI Core 39: Ways of Knowing-Moral and Ethical Reasoning.

Prerequisite(s): Sophomore standing

Term(s) Offered: Fall, Spring

SPTM 337 - Recreational Sports Administration

Credits: 3

As a specialized course in recreational sport service delivery and management, an overview of programmatic elements and techniques in recreational sports is provided. Topics include informal, intramural, club, extramural, and instructional sports programming; values of recreational sports; and terminology and career opportunities in various recreational sport settings.

Prerequisite(s): Sophomore standing

Term(s) Offered: Spring

SPTM 353 - Sport Blogging and Social Media

Credits: 3

This course is designed for both inexperienced and experienced social media users. Throughout the semester, students will be introduced to various social media platforms with an emphasis being placed upon hands-on experience. The primary focus of this course will be the relationship between sport and social media. However, students will be expected to understand the larger social implications associated with these various mediums.

Prerequisite(s): Sophomore standing.

Term(s) Offered: Spring

SPTM 390 - Special Topics in Sport Management

Credits: 1-3

A study of selected topics of current interest and importance in sport management. These topics may include opportunities for students to complete research, participate in experiential learning experiences, and a wide variety of learning activities in accordance with the interests and importance of kinesiology and sport.

SPTM 451 - Legal Aspects of Sport

Credits: 3

Examines the basic legal and risk management issues surrounding the sport management profession. Informs future sport managers of their legal duties and responsibilities, prevention of legal liability and litigation, and the basic foundation of the U.S. legal system.

Prerequisite(s): Junior Standing

Term(s) Offered: Fall, Spring

SPTM 452 - Sport Finance and Economics

Credits: 3

Examines the basic financial and managerial accounting procedures encountered within the sport industry including revenue sources for professional and collegiate sport organizations, sponsorship development, and stadium financing. Additional topics include fundraising, economic impact analysis, and private/public subsidy. Practical experience is provided in the form of sponsorship package creation.

Prerequisite(s): Junior Standing

Term(s) Offered: Fall, Spring

SPTM 453 - Diversity in Sport

Credits: 3

This course explores how historical and contemporary forces in society have shaped the opportunities and experiences of various cultural groupings in the realm of sport. In particular, the course will focus on diversity issues as they relate to race, ethnicity, gender, social class, sexuality and physical ability/disability. Examples of possible topics include: Native American names and mascots for sport teams, homophobia in sport, social class stratification in sport, gender equity in collegiate sport, and the expansion of sporting opportunities for individuals with disabilities,.

USI Core 39: Embedded Experience-Diversity.

Prerequisite(s): Junior Standing

Term(s) Offered: Fall, Spring

SPTM 482 - NCAA Compliance and Institutional Control

Credits: 3

This course introduces students to the bylaws that govern institutions affiliated with the NCAA including Division I, II,m and III athletic programs. Students will gain detailed knowledge of both governing principles and enforcement procedures. This course will offer a more specialized look into the inner workings of intercollegiate athletics operations. Furthermore, this course is necessary for anyone who wants to work within an athletic department whether it be in compliance, public relations, academic affairs, marketing or management.

Prerequisite(s): Junior Standing

Term(s) Offered: Spring

SPTM 491 - Managing Organizations for Sport and Physical Activity

Credits: 3

Studies the four functions of management: planning, organizing, leading, and evaluating within sport and physical activity organizations. The four functions of management are applied in developing a potential organization.

Prerequisite(s): Junior standing.

Term(s) Offered: Fall, Spring, Summer

SPTM 492 - Contemporary Issues in Sport and Exercise

Credits: 3

This course will enable students to integrate information from their educational experiences to critically examine and analyze contemporary issues in sport and exercise from an interdisciplinary perspective. Current issues, trends, and challenges will be presented with the intent of provoking thorough and stimulating debate, so that students may identify their role in the resolution of issues.

USI Core 39: Embedded Experience-Global.

Prerequisite(s): Junior standing.

Term(s) Offered: Fall, Spring, Summer

SPTM 498 - Internship in Sport Management

Credits: 9

Students work at least 450 hours under the supervision of a professional within an approved sport related organization.

Prerequisite(s): Senior standing.

Term(s) Offered: Fall, Spring, Summer

STEM 101 - PLUSS Seminar

Credits: 1

This course is designed to provide exposure to the different STEM disciplines. The seminar will provide opportunities for student to strengthen their foundational knowledge and will provide resources to enhance the study of STEM courses. This course is only open to engineering, mathematics, and science majors.

Prerequisite(s): Admission to the PLUSS program is required.

TECH 103 - Materials & Manufacturing Processes

Credits: 3

Survey of materials commonly used in industry and the primary processes and techniques utilized in fabrication. Laboratory experiences will involve techniques of forming, drilling, machining, and welding metals and alloys.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (2-3)

Term(s) Offered: Fall

TECH 121 - CAD Fundamentals

Credits: 3

Principles of engineering modeling and documentation in a computer environment. Specific topics to be covered include visualization, geometric modeling of objects in a computer- aided design environment, and application of documentation standards and engineering conventional representations. Emphasis is placed on freehand sketching as a means of communication and on the accurate generation of three-dimensional computer models and documentation files.

Prerequisite(s): MATH 111.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (2-3)

Term(s) Offered: Spring

TECH 213 - Mechanics for Technology

Credits: 3

Mechanics is the study of bodies under the action of forces. This course will provide a real world understanding of physical objects and forces, primarily focused on statics. Topics will include particles, cables, beams, trusses, frames, and machines.

Prerequisite(s): PHYS 175 and MATH 215.

Term(s) Offered: Fall

TECH 261 - Fundamentals of Instrumentation

Credits: 2

This course covers the fundamental principles and circuitry used in electronic and electromechanical instrumentation. Topics include divider circuits, electronic and pneumatic relays, power supplies, bridge circuits, filters, operational amplifiers, digital logic, transmitters, and actuators. Applications are demonstrated in the laboratory experiments.

Prerequisite(s): PHYS 175.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (0-6)

TECH 272 - Robotics

Credits: 3

Introduction, classification, and application of robots and similar types of automated industrial equipment and corresponding educational robots. Fundamental principles and characteristics of representative robots are presented in the laboratory to demonstrate operational features. Both online (teach pendant) and off-line (computer) programming are demonstrated and used in the laboratory.

Prerequisite(s): ENGR 104.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (2-3)

TECH 275 - Statistics and Safety in Manufacturing

Credits: 3

This course is designed to develop an understanding of the topic of statistics and its application to accident investigation, worker liability and compensation, and hazard control. Topics include the selection and use of appropriate statistical methods to analyze manufacturing safety data, the development of statistical inferences, and the application of probability.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (3-0)

TECH 298 - Service Learning: Leadership and Mentoring in Technology

Credits: 3

Technology students will be assigned to middle schools and high schools to work under supervision of the classroom teacher to help deliver the Project Lead the Way curriculum. Students are assigned classes by invitation of the appropriate middle and/or high school authorities and will assist the classroom teacher as necessary. Students must keep a journal during the course and write a report at the end of the semester.

Prerequisite(s): Junior or senior standing

Grading: Pass/No Pass

TECH 315 - Strength of Materials

Credits: 3

Strength of materials is the study of internal stresses and external strains that result from the application of external, thermal, and mechanical loads on an objects of given material and geometry. The laboratory experience will include material testing to determine physical and mechanical properties that will reinforce the principles studied.

Prerequisite(s): TECH 213.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (3-3)

Term(s) Offered: Spring

TECH 331 - Statistics in Manufacturing

Credits: 3

Topics include probability and probability distributions, sampling methods, statistical process control, hypothesis testing, regression and correlation analysis, and experiment design. Lab exercises include development and implementation of experiments, data collection, and design of experiments. Use of both a calculator and various statistical software packages on a computer will be required for problem solving and report generation.

Prerequisite(s): MATH 215 or MATH 230.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (3-0)

TECH 343 - Servo and Non-Servo Hydraulics

Credits: 3

This course is intended to give the student a broad overview of the principles of servo and nonservo fluid power systems and the components that comprise these systems. Lecture and laboratory topics include pumps, linear and rotary actuators, control devices, and fluid conductors.

Prerequisite(s): PHYS 175 or PHYS 205 and MATH 215 or MATH 230.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (2-3)

TECH 351 - Thermodynamics and Heat Transfer

Credits: 3

This course is intended to give the students a broad overview of the principles of thermodynamics and heat transfer and the industrial applications that use these principles.

Prerequisite(s): MATH 215 or MATH 230 and PHYS 176 or PHYS 206.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (2-3)

TECH 362 - Manufacturing

Credits: 3

This course includes an introduction into the design and implementation of contemporary manufacturing systems. Single and multiple station, manual, mixed mode, automated, and flexible manufacturing systems are covered. Numerical analysis of these systems to determine production rates, product cost, defect rates, and efficiency will be performed. During the lab students will learn to program and operate various types of production hardware including CNC turning and milling machines.

Prerequisite(s): Junior standing in industrial supervision or advanced manufacturing or consent of instructor.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (2-2)

Term(s) Offered: Fall

TECH 367 - Advanced Manufacturing

Credits: 3

This course is designed to enhance the student's knowledge of advanced manufacturing principles and concepts of quality control, work and material requirements planning, automated manufacturing, and mass production methods.

Prerequisite(s): TECH 362.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (2-3)

Term(s) Offered: Spring

TECH 385 - Electrical Machines and Distribution Systems

Credits: 3

This course covers basic D.C. and A.C. circuit analysis, power distribution, and power machinery applications. The laboratory will provide an opportunity for hands-on experience with electrical machinery.

Prerequisite(s): MATH 215 or MATH 230.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (2-3)

TECH 401 - Work Cell and Production Systems Design

Credits: 3

This course covers practical application of the principles learned in previous courses to the design of various types of work cells and manufacturing systems. Case studies and example problems will be covered during the lectures. Lab exercises include the programming and operation of robots, CNC machines, and automated work cells.

Prerequisite(s): TECH 367.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (2-2)

TECH 411 - Materials

Credits: 3

Fundamental structures comprising the principal families of materials – metals, ceramics, and polymers; and how structures influence the properties of strength, hardness, heat treatment, plasticity, fatigue, creep, wear, etc. Experiments in the laboratory will demonstrate structure-property relationships.

Prerequisite(s): CHEM 175 and PHYS 176.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (2-3)

TECH 439 - Special Problems in Industrial Supervision or Advanced Manufacturing

Credits: 1, 2, or 3

An independent study course requiring the student to complete an assigned or self-generated project under the guidance of a faculty member. The project will require application of various analytical methods and/or the use of computer models or laboratory facilities. A written report is required upon completion of the project.

Prerequisite(s): ENG 210, junior standing, and consent of advisor.

Repeatability: Not repeatable for credit.

Term(s) Offered: Fall, Spring

TECH 468 - Introduction to Senior Project

Credits: 1

This course will serve as a prerequisite to TECH 471 Senior Project. The scope of this course is to provide a basic preparation in project management and team work. In addition, students will be required to select a project, develop scope and milestones in order to be ready to start working on the project itself in TECH 471.

Prerequisite(s): Senior standing.

TECH 471 - Senior Project

Credits: 3

A course which provides an opportunity for synthesis of technical, professional, and general knowledge for industrial supervision students. Problems provided by industrial sponsors are studied by individual students or small teams of students to develop solutions which consider technical, economic, social, environmental, sustainability, ethical and manufacturability aspects of the problems. Formal written and oral reports to faculty, industrial sponsors, and invited guests are required.

USI Core 39: Embedded Experience-Writing.

Prerequisite(s): ENG 201, senior standing in industrial supervision or advanced manufactured and consent of advisor and department chair.

Term(s) Offered: Fall, Spring

THTR 101 - Introduction to Theatre

Credits: 3

Analysis of the nature of theatre, its origin and development from the standpoint of the play, the physical theatre, and its place in culture. Specific emphasis is placed on the study of styles and the various artistic components which "collaborate" to create theatre.

USI Core 39: Ways of Knowing-Creative and Aesthetic Expression.

This course is part of the Core Transfer Library (CTL).

Indiana Statewide Common Course #: IFA 1302.

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

Term(s) Offered: Fall, Spring

THTR 102 - Intro to Theatrical Production

Credits: 3

Introduction to the major elements and theory of theatrical production including, but not limited to, back-of-house administration and organization, the various design disciplines, basic collaboration, and overview of current trends and technologies. Course will place specific emphasis upon the "visual" component and the basic procedures involved with mounting a performing arts production.

Term(s) Offered: Fall

THTR 120 - Theatre Laboratory I

Credits: 1

Assigned in one-hour units, two hours required for the major. Designed to provide credit for work completed on USI Theatre productions. Students are required to spend each semester working in a different technical area. A minimum of 42 contact hours of work is required.

Prerequisite(s): Consent of director or production area coordinator.

Term(s) Offered: Fall, Spring

THTR 150 - Practicum in Dance

Credits: 3

Provides a practical background in the fundamentals of three styles of dance. The techniques and discipline of dance will be explored and utilized, culminating in an examination that tests the comprehension, comportment, and flexibility of the student.

Repeatability: Course may be repeated once.

Term(s) Offered: Fall, Spring

THTR 153 - Improvisational Theatre

Credits: 3

This course employs improvisational exercise and training as a primary methodology to actor training, helping beginning actors to achieve unified state of mind and body in spontaneous acts of imagination. Course derives pedagogy from early and contemporary training approaches, from Lecoq and Spolin to Johnstone.

THTR 224 - Production Technology

Credits: 3

Fundamental study of scenery production and engineering, shop organization, and the various techniques and procedures utilized by production personnel. Course will include technical drawing, budgeting, instructional workshops, safety, task-oriented engineering solutions, and theatre program production lab work.

Prerequisite(s): THTR 102.

THTR 226 - Production Graphics

Credits: 3

This course teaches the fundamental techniques for transferring design concepts into proper form for consultation with other theatre artists and technicians. Techniques include both hand-drafting skills and model-making.

Prerequisite(s): THTR 102 or consent of instructor.

THTR 228 - Theatre Graphics I

Credits: 3

This is an introductory course in the fundamentals of drafting for theatrical design utilizing Vectorworks and Lightwright. Emphasis is placed on 2-D drafting.

THTR 234 - Costume Technology

Credits: 3

This course is the study and practical application of both hand and machine sewing, clothing construction and basic pattern making.

THTR 235 - Stage Make-up

Credits: 3

Basic principles of the art and technique of make-up for the use in the design and execution of developing and projecting the stage character. Purchase of make-up kit required.

THTR 236 - Costume Crafts

Credits: 3

This course is a study and practical application of fabric modification techniques, beginning millinery, mask making, and jewelry making.

Prerequisite(s): No prereq.

THTR 243 - Lighting Technology

Credits: 3

Fundamental practice and theory of electrical applications in lighting a theatrical production and the collaborative process of basic theatrical lighting design. Course includes lighting terminology, electrical theory and practice, script analysis, the elements of design, and the design process. Projects include lighting observations, master electrician packets, and a lighting design project. Students will be required to participate in at least three outside lighting labs correlating to the USI Theatre productions season.

Prerequisite(s): THTR 102 or concurrent enrollment.

THTR 251 - Fundamentals of Acting

Credits: 3

Study and practice in the fundamentals of the acting process. Class emphasizes physical and vocal work in conjunction with exercises geared toward the expansion of personal imaginative skills. Class work focuses on monologues and improvisational games. Open to all University students.

USI Core 39: Ways of Knowing-Creative and Aesthetic Expression; Embedded Experience-Diversity.

This course is part of the Core Transfer Library (CTL).

Indiana Statewide Common Course #: IFA 1301.

Term(s) Offered: Fall, Spring

THTR 252 - Fundamentals of Scene Study

Credits: 3

Continued study and development of the fundamental acting processes taught in THTR 251. Class work consists of scene study focusing on the action, objective, and subtext of the actor's characterizations.

Prerequisite(s): THTR 251 or permission of the instructor.

THTR 253 - Voice and Diction

Credits: 3

Concerned with the anatomy and function of the speech mechanism. Emphasis on articulation, phonation, and resonance. Study of voice characteristics, vocal quality, volume, rate, pitch, and force. This course requires that the students learn the International Phonetic Alphabet. Students evaluate their own speech characteristics.

Repeatability: May be repeated once.

THTR 254 - Stage Combat

Credits: 3

Students learn safe techniques for stage combat, including hand-to-hand (fisticuffs) and armed (rapier/dagger) combat. Students will also learn how to apply the techniques in choreographic sequences for dramatic effect.

Prerequisite(s): THTR 102

THTR 260 - Intermediate Dance Practicum

Credits: 3

Provides a practical background in the fundamentals of a variety of traditional dance forms. The techniques and discipline of dance will be explored and utilized, culminating in an examination that tests the comprehension, comportment, and the flexibility of the student.

Prerequisite(s): THTR 150 or by permission of instructor.

Repeatability: May be repeated once.

THTR 307 - Period Styles for the Theatre

Credits: 3

Emphasizing research methods employed by theatre designers, this course examines the styles and aesthetics of art, architecture, fashion and the decorative arts from ancient Egypt through the first half of the 20th century. Emphasis will be placed on periods and countries that have been most influential on Western theatrical practices and design.

Prerequisite(s): THTR 102.

THTR 320 - Theatre Laboratory II

Credits: 1

Assigned in one-hour units, two hours required for the major. Designed to provide credit for work completed on USI Theatre productions. This is the final rotation of the theatre lab. Students will be assigned placement in a technical area their first semester and permitted to select an area for their second. A minimum of 42 contact hours of work is required.

Prerequisite(s): Consent of director or production area coordinator.

Term(s) Offered: Fall, Spring

THTR 326 - Theatre Graphics II

Credits: 3

This course continues training in computer-assisted design and image-editing software programs commonly employed in theatrical design.

Prerequisite(s): THTR 228.

THTR 327 - Scene Design

Credits: 3

Study of the elements and principles of scenic design. Students will explore the application of design concepts based upon an analysis of script and production parameters in order to produce complete packages of speculative work (research, plans, models, drawings, etc.).

Prerequisite(s): THTR 102 and THTR 224 .

THTR 337 - Costume Design

Credits: 3

A study of the elements and principles of costume design for the theatre. Students will develop skill in play analysis for costuming, basic rendering skills, and period research. The class will include an introduction to the various media used in communicating a costume design concept.

Prerequisite(s): THTR 102.

Term(s) Offered: Spring

THTR 346 - Lighting Programming

Credits: 3

Students explore conventional, automated, and video lighting through hands-on utilization of control consoles. They will further develop both their design skills and their understanding of automated lighting techniques through practical application.

Prerequisite(s): THTR 102.

THTR 347 - Lighting Design

Credits: 3

Advanced study and application of lighting design for theatre, opera, dance, and other theatrical genres. May also explore basic elements of television and film. Students will complete design projects that improve upon script analysis, research, rendering, color theory, drafting, and presentation skills. Beginning computer drafting and supplemental paperwork software applications to

be introduced. Students will be required to participate in at least three outside lighting labs correlating to the USI Theatre productions season.

Prerequisite(s): THTR 243.

Term(s) Offered: Spring

THTR 351 - Acting for the Modern Stage

Credits: 3

Study and practice of the acting techniques and methods used to create a character for the stage. Emphasis placed on the application of these theories in the development of monologues and scenes from major American plays.

Prerequisite(s): THTR 252 or permission of the instructor.

THTR 352 - Acting in Period Style

Credits: 3

Provides a background in period styles to the advanced student actor, examining the special considerations inherent in performing classical drama, beginning with Greek tragedies and continuing on through Elizabethan, Restoration, and other periods, including contemporary pieces of a special nature, such as epic, expressionist, and absurdist drama.

Prerequisite(s): THTR 351 or permission of instructor.

THTR 353 - Musical Theatre Performance I

Credits: 3

The student will explore and experience the nature of musical theatre and the unique performance demands required to create it at a proficient level. Emphasis will be placed on accessible vocal material from the standard musical theatre repertoire, including solos, duets, and company numbers. Students will present research on the genre's historical and stylistic eras.

Prerequisite(s): THTR 251.

THTR 354 - Musical Theatre Performance II

Credits: 3

The student will further explore and experience the nature of musical theatre and the unique performance demands required to create it at a proficient level. Emphasis will be placed on more challenging vocal material from the standard musical theatre repertoire, including solos, duets, and company numbers. Students will present research on the genre's historical and stylistic eras.

Prerequisite(s): THTR 251 and THTR 353.

THTR 360 - Practicum in Dance, Advanced Level

Credits: 3

This class will continue to develop the working techniques of movement within the dance disciplines of modern, classic ballet, tap and modern jazz and to show the application of these disciplines to the theatre. Students will develop choreography with other dancers, as well as learn rehearsal techniques for solo and group compositions.

Prerequisite(s): THTR 260 or consent of instructor.

Repeatability: Repeatable once for credit.

THTR 361 - Playwriting

Credits: 3

Students will participate in an intense study of dramaturgy and will write dramas of their own.

USI Core 39: Ways of Knowing-Creative and Aesthetic Expression.

Prerequisite(s): ENG 302 or THTR 102 or consent of the instructor.

Cross-Listed: Dual listing with ENG 361.

THTR 371 - History of Theatre I

Credits: 3

History of the theatre from pre-Grecian through Elizabethan time periods. Also touching on the Asian theatre. Concentration of the physical theatre, conventions in acting, directing, design.

Prerequisite(s): THTR 102 or permission of instructor.

THTR 372 - History of Theatre II

Credits: 3

History of the theatre from the French Renaissance through the present day. Concentration on the physical theatre, conventions in acting, directing, and design.

Prerequisite(s): THTR 102 or permission of instructor.

THTR 381 - Stage Management

Credits: 3

This course will look at the structure of theatre, the elements of production, the rehearsal and performance process, and the role and responsibilities of the stage manager in all of these aspects. Students learn the preparation of a promptbook, standard record-keeping, management etiquette, and union requirements.

Prerequisite(s): THTR 102.

THTR 400 - Independent Study in Theatre Arts

Credits: 1-3

This course is designed to provide an opportunity for upper division communications/theatre majors and minors to research subject areas in the field of theatre arts. A maximum of six hours may be taken; only three may be taken in any one semester. NOTE: Students who wish to take independent study courses in the theatre arts curriculum should be aware of the following points: 1) Only six hours of independent study may apply toward a major in Communications. 2) No more than three offerings of THTR 400 may be directed by the same instructor. 3) Students wishing to enroll in independent study courses must receive written permission from their instructors prior to registration.

Prerequisite(s): 21 hours of theatre arts, upper division status, and written consent of instructor.

Term(s) Offered: Fall, Spring, Summer

THTR 427 - Advanced Scene Design

Credits: 3

Individual development in scene design projects through intensive study of various styles. Detailed representation of design ideas in rendering and models required. Class includes practice and development in scene painting.

Prerequisite(s): THTR 102, THTR 224, and THTR 327.

THTR 432 - Advanced Stage Direction

Credits: 3

Continued study of directing techniques. Class will explore dramatic styles and diverse conceptualizations of classic and modern texts. Emphasis will be placed on the actor/director, and designer/director collaborative processes. Class will require the student to direct a one-act play.

THTR 437 - Advanced Costume Design

Credits: 3

Teaches students to further incorporate the principles of design with play analysis, and apply them toward creating a specific production of a play. This course enables the student to experiment with a variety of styles and rendering techniques, including computer rendering, and also to explore the unique challenges provided by various genres of costume design.

Prerequisite(s): THTR 337.

THTR 447 - Advanced Lighting Design

Credits: 3

Students are instructed in advanced lighting techniques as part of a comprehensive approach to lighting design. Emphasis is placed on aesthetics, script analysis in visual terms, visual research methods, theatrical style, and concept development. Practical application will include dramatic, musical, and dance pieces.

Prerequisite(s): THTR 347.

THTR 451 - Acting as a Business

Credits: 3

Acting as a Business teaches students about the various techniques, tools, and standards required to pursue a professional acting career. Through one-on-one work with the instructor, the student will learn the various auditioning techniques for theatre, film and television; the tools required to seek out and submit for audition opportunities; and the strategies used in finding and preparing strong audition material.

Prerequisite(s): Theatre Major/Minor and senior standing.

THTR 473 - History of World Drama I

Credits: 3

A broad study of dramatic literature from the Ancient World through 1600 AD as a basis for establishing a world view through theatrical and dramatic criticism.

Prerequisite(s): ENG 201 and junior standing, or consent of instructor.

Cross-Listed: Cross-listed as ENG 473.

Term(s) Offered: Fall

THTR 474 - History of World Drama II

Credits: 3

A broad study of dramatic literature from 1600 to the modern period as a basis for establishing a world view through theatrical and dramatic criticism.

Prerequisite(s): ENG 201 and junior standing, or consent of instructor.

Cross-Listed: Cross-listed as ENG 474.

Term(s) Offered: Spring

THTR 487 - Stage Directing

Credits: 3

An introduction to the principles of play directing. Class emphasizes text analysis, interpretation, picturization, and the various aspects involved in the production process. Class will include direction of extended scenes from full-length plays.

Prerequisite(s): THTR 102 and THTR 251, or consent of instructor.

THTR 490 - Repertory Theatre Internship

Credits: 3

This course is an intensive internship within the professional environment of the USI Theatre and New Harmony Theatre Repertory Project. Students will be assigned positions within a professional theatre season based upon their interests and experience. Assignments will be identified and outlined by contract and may be made in more than one area depending upon degree of supervisory responsibility assigned by the instructor. Internship hours assigned will range between 100 and 140, depending upon area and responsibility.

Prerequisite(s): THTR 101 or THTR 102 and consent of instructor.

Repeatability: This course is repeatable; up to six hours may be earned for Theatre-directed elective credit.

THTR 498 - Internship in Theatre

Credits: 3

Work experience in an approved professional theatre, shop, or enrichment center. The course provides for a minimum of 150 hours of supervised professional work, two written evaluations by the supervisor, two written self-evaluations, and a final review with a department faculty member.

Prerequisite(s): 21 hours in the major, upper-division status, and written consent of the instructor.

Grading: Grades are assigned as Pass or No Pass only.

Term(s) Offered: Fall, Spring, Summer

THTR 499 - Special Topics in Theatre Arts

Credits: 3

Topics will vary. Purpose of course is to cover topics which are not specific courses in the curriculum.

Prerequisite(s): consent of the instructor.

Repeatability: Repeatable with change in topic.

UNIV 101 - First Year Experience

Credits: 1

This course is an introduction to the University of Southern Indiana and the undergraduate experience with a specific focus on academic success, campus involvement and community engagement. Students will discuss issues of value and behavior in the college setting, discover what resources are available to them, and learn what it means to integrate themselves into the campus and surrounding communities.

USI Core 39: Foundations - First Year Experience.

UNIV 102 - Learning Communities Seminar II

Credits: 1

This course continues to provide the integrative component for the identified Freshman Interest Group linked courses. It provides opportunities for students to connect prior knowledge and experiences with new learning tasks and content in a shared learning experience. This course will focus on understanding the co-curriculum and self, career exploration, technological literacy, and improving the educational experiences of first-year students.

Prerequisite(s): UNIV 101.

UNIV 201 - Special Topics in Leadership

Credits: 3

This course provides an overview of the theory related to and skills necessary for the practice of effective leadership in teams and organizational settings. Leadership is explored as an integral component of a student's career and life plan.

Prerequisite(s): Consent of instructor.

WLC 155 - Cultural Awareness

Credits: 3

Practical study of citizenship and professionalism in the "global village" of the 21st century, emphasizing complexities of cultural, linguistic and social systems of nations and people, to promote communication among widely diverse constituencies at

home and abroad. Serves as preparation for study abroad and further work in international disciplines. (Course taught in English.)

USI Core 39: World Language and Culture-BS; Embedded Experience-Diversity.

Course Descriptions

ACCT 201 - Accounting Principles I

Credits: 3

Required: Business Core requirement for all business majors. A study of the principles of financial accounting and reporting as they relate to today's business environment. Both the procedures used and the concepts upon which they are based will be studied.

Prerequisite(s): CIS 151 or CIS 261, MATH 111, and must have completed at least 24 credit hours.

This course is part of the Core Transfer Library (CTL).

Indiana Statewide Common Course #: IPO 1801.

Term(s) Offered: Fall, Spring, Summer

ACCT 202 - Accounting Principles II

Credits: 3

Required: Business Core requirement for all business majors. Business Core requirement for all business majors. A study of managerial accounting information as it is used by managers in various types of business organizations. The emphasis is on the development, interpretation, and application of managerial accounting for planning activities, controlling operations, and making decisions.

Prerequisite(s): ACCT 201.

This course is part of the Core Transfer Library (CTL).

Indiana Statewide Common Course #: IPO 1802.

Term(s) Offered: Fall, Spring, Summer

ACCT 303 - Intermediate Accounting I

Credits: 3

Required: Required for all accounting majors. An intensive study and application of Generally Accepted Accounting Principles (GAAP) for asset valuation, income measurement, and financial statement presentation for business organizations, including the processes through which GAAP has evolved. The emphasis in this course is on the basic financial statements and related footnotes, the time value of money, the valuation and presentation of assets, current liabilities, and related income statement accounts, and other special accounting topics.

Prerequisite(s): ACCT 201, and ACCT 202.

Term(s) Offered: Fall, Spring

ACCT 304 - Intermediate Accounting II

Credits: 3

Required: Required for all accounting majors. A continuation of the intensive study and application of GAAP begun in ACCT 303. The emphasis in this course is on the valuation and presentation of long-term liabilities, stockholders equity, revenue, and related income statement accounts, footnote disclosures required by GAAP, and other special accounting topics.

Prerequisite(s): ACCT 303.

Term(s) Offered: Fall, Spring

ACCT 311 - Introduction to Federal Income Taxation

Credits: 3

Required: Required for all accounting majors. An introduction to federal tax theory and practice as applied to business entities. The emphasis is on the examination of the role of taxation in society (legal, social, economic), procedural rules and their application, and tax planning techniques.

Prerequisite(s): ACCT 202 and junior standing.

Term(s) Offered: Fall, Spring

ACCT 315 - Cost Accounting

Credits: 3

Required: Required for all accounting majors. The theory and practice of cost accounting with emphasis on its use for planning and control. It builds on the concepts of budgeting, standards, and profitability analysis introduced in ACCT 202.

Prerequisite(s): ACCT 202

Term(s) Offered: Fall, Spring

ACCT 390 - Individual Taxation Practicum

Credits: 3

This course provides students with the opportunity to serve the local community by preparing federal and state individual tax returns for low-income taxpayers, nonresident taxpayers, and other students. Students will gain hands-on experience in the operation of a Volunteer Income Tax Assistant site. Upon successful completion of the course, students will be able to use tax preparation software, interview clients, research tax issues, and perform quality reviews of prepared income tax returns.

Prerequisite(s): ACCT 311 or consent of instructor.

Repeatability: This course is repeatable for up to six hours of credit. Expanded responsibilities including some training and supervision of other students, will be expected of students who repeat the course.

Term(s) Offered: Spring

ACCT 401 - Advanced Accounting

Credits: 3

An intensive study of the theory and application of Generally Accepted Accounting Principles (GAAP) for specific advanced financial accounting entities, problems, and issues. Areas of emphasis include consolidated financial statements, accounting for investments in non-consolidated entities, segment and interim reporting, international accounting and reporting issues, not-for-profit accounting (including governmental accounting), and other special accounting problems and topics.

Prerequisite(s): ACCT 303 and ACCT 304.

Term(s) Offered: Fall, Spring

ACCT 411 - Advanced Federal Taxation

Credits: 3

A study of federal income tax as it relates to business entities, transfer taxes, and wealth planning. A review of Internal Revenue Code provisions and regulations will be made on topics relevant to tax professionals. This course builds on information learned in ACCT 311.

Prerequisite(s): ACCT 311.

Term(s) Offered: Fall, Spring

ACCT 413 - Accounting Information Systems

Credits: 3

Required: Required for all accounting majors. A study of organizations, their activities and processes, and the information needs of organizational stakeholders. The course emphasizes accounting data flows, the tools of designing accounting information systems, the use of computer technology in processing accounting transactions, and knowledge of internal control structures in effective accounting information systems.

Prerequisite(s): ACCT 303 and senior standing or consent of instructor.

Term(s) Offered: Fall, Spring

ACCT 415 - Auditing Theory and Practice

Credits: 3

Required: Required for all accounting majors. An overview of auditing as it is practiced in the USA. Emphasis is placed on understanding the functions of an audit, the ethical and professional standards that apply to auditors, legal liability issues, and the concepts of risk analysis, risk-based auditing, and statistical sampling.

Prerequisite(s): ACCT 303 and senior standing.

Term(s) Offered: Fall, Spring

ACCT 416 - Advanced Cost Accounting

Credits: 3

This course builds on the information learned in ACCT 315. It addresses the theory and practice of cost accounting with emphasis on cost allocation, joint products, transfer pricing, segment performance evaluation, accounting decision models and managerial accounting problems.

Prerequisite(s): ACCT 315.

ACCT 422 - Financial Report and Analysis

Credits: 3

Provides an understanding of the regulatory environment in which financial reporting and auditing take place in the USA. The course examines changes in the auditing profession over the past 25 years that contributed to the ethical and professional lapses associated with a number of financial failures (Enron, WorldCom, etc.), ethical challenges facing CPAs, current controversial issues in financial reporting, and an introduction to fraud auditing and forensic accounting.

Prerequisite(s): ACCT 415 (may be taken concurrently with consent of instructor).

Lab Fees: F

Term(s) Offered: Fall, Spring

ACCT 431 - CPA Review

Credits: 3

A review of current developments in accounting theory and practice with a study of approaches to the solution of problems on the CPA examination. Enrollment limited to senior-level accounting majors and practicing accountants. NOTE: Auditing of this course is not permitted.

Prerequisite(s): Consent of instructor.

ACCT 451 - Accounting for Investments I: Equity and Alternative Assets

Credits: 3

This course is the first in a two-course sequence and focuses on equity instruments and alternative assets as well as derivative instruments such as options or futures that are linked to equity instruments. This course also provides students with the technical skills and knowledge to analyze and report emerging new financial instruments for which there may not be a clear regulation.

Prerequisite(s): FIN 433

Term(s) Offered: Fall

ACCT 452 - Accounting for Investments II: Debt and Interest Rate Instruments

Credits: 3

This course is the second in this two-course sequence and focuses on accounting for fixed income securities and interest rate derivatives, private equity, managed futures, and some categories of real assets such as real estate. This course also provides students with the technical skills and knowledge to analyze and report new financial instruments for which there may not be a clear regulation.

Prerequisite(s): FIN 433 and ACCT 451

Term(s) Offered: Spring

ACCT 461 - Investment Accounting Operations, Regulations, and Compliance

Credits: 3

This course will explore accounting disclosure rules, regulatory, and compliance issues associated with alternative investments, such as investments on hedge funds, private equity funds, venture capital funds, real estate, and commodities, either directly or through funds of funds. The course will focus on operational aspects of alternative investments, emphasizing practical applications and providing opportunities for "hands-on" experiences.

Prerequisite(s): FIN 305

Term(s) Offered: Spring

ASBE 291 - Desktop Publishing and Web Design

Credits: 3

Designed to acquaint students with the preparation and design of materials for desktop publishing and Web page, combining text processing with graphics. A hands-on instructional approach along with experience in processing and presentation graphics.

Prerequisite(s): CIS 261.

ASBE 471 - Principles and Philosophy of Vocational Education

Credits: 3

Fundamental philosophy, principles, and objectives of vocational education related to the needs of the beginning vocational instructor. Consideration of the various service areas, including wage-earning and non-wage-earning vocational areas, as a foundation for career decisions or further study.

ASBE 481 - In-School Laboratory Programs in Vocational Education

Credits: 3

Special techniques and knowledge needed to teach and manage in-school laboratory programs in vocational education. Consideration for the beginning or advanced vocational instructor as he/she operates within the LEA and business community.

Prerequisite(s): BSED 397 or equivalent.

ASBE 498 - Techniques of Coordinating Cooperative Education

Credits: 3

The coordination responsibilities of a cooperative vocational education coordinator in his/her relationships to school, parents, students, advisory committees, business, industry, and government will be identified and applied.

ADV 101 - Introduction to Advertising

Credits: 3

Lecture materials and discussions will focus on all facets of advertising from the client's, the consumer's, and the creator's viewpoints. Methods and techniques used in print and audio/visual media will be studied.

Term(s) Offered: Fall, Spring

ADV 335 - Advertising Strategy

Credits: 3

Background in and understanding of the principles in advertising and using strategic reasoning to apply those principles to solve problems and make strategic advertising decisions.

Prerequisite(s): ADV 101 (grade of C or better), ENG 101 (grade of C or better), and ENG 201 (grade of C or better).

Term(s) Offered: Fall, Spring

ADV 342 - Advertising Design

Credits: 3

A study of the techniques of market analysis, product strategy, copy writing, layout and design, and concept development for advertising.

Prerequisite(s): ADV 101 (grade of C or better), ENG 101 (grade of C or better), and ENG 201 (grade of C or better).

Term(s) Offered: Fall, Spring

ADV 343 - Media Planning

Credits: 3

The course treats researching media options, developing a media plan, and learning how to implement the plan. It includes identifying target audiences, the media they use, the cost efficiency of the media, and determining the costs of the total plan.

Prerequisite(s): ADV 101 (grade of C or better), ENG 101 (grade of C or better), and ENG 201 (grade of C or better) and core math or consent of instructor.

Term(s) Offered: Fall, Spring

ADV 346 - Special Events and Promotion

Credits: 3

This course examines the elements of a highly specialized form of advertising, specifically the event planning process, creative brainstorming, budgeting, overcoming obstacles, attracting sponsorships, soliciting volunteers, and evaluations.

Prerequisite(s): ADV 342 (grade of C or better) or PRL 364 (grade of C or better).

Term(s) Offered: Spring (alternate years)

ADV 347 - Advertising Copywriting

Credits: 3

A study of the principles and practices of writing effective commercial messages for media such as magazines, newspapers, billboards, direct mail, directories, and other promotional copy. It includes studies of message elements; the role of research in developing message strategies; the creative process; and clear, effective, and persuasive copywriting.

USI Core 39: Embedded Experience-Writing

Prerequisite(s): ADV 101 (grade of C or better), ENG 101 (grade of C or better), and ENG 201 (grade of C or better) or core equivalent.

Term(s) Offered: Fall, Summer

ADV 400 - Independent Study in Advertising

Credits: 3

Designed to provide an opportunity for upper division communications majors and minors to research subject areas in the field of advertising. A maximum of six hours of ADV 400 may be taken; only three may be taken in any one semester. Students wishing to take independent study courses in the advertising curriculum should be aware of the following points: 1) Only six hours of independent study may apply toward a major in communications; 2) No more than three hours of Advertising 400 may be directed by the same instructor. 3) Students wishing to enroll in independent study courses must receive written permission from their instructors prior to registration.

Prerequisite(s): 21 hours of communications (grades of C or better), upper-division status, and written consent of instructor.

Term(s) Offered: Fall, Spring, Summer

ADV 440 - Advanced Advertising Campaigns

Credits: 3

To refine campaign skills to be used as a competition class for the American Advertising Federation.

Prerequisite(s): consent of instructor.

Repeatability: May be taken twice.

Term(s) Offered: Spring

ADV 441 - Seminar in Integrated Marketing Communications

Credits: 3

Approaching organizations' communications issues through the integration of advertising, marketing, and public relations strategies and techniques.

Prerequisite(s): senior standing and PRL 101 (grade of C or better) or ADV 101 (grade of C or better), ENG 101 (grade of C or better), and ENG 201 (grade of C or better) and MKTG 201 or MKTG 305.

Cross-Listed: PRL 461; may be taken only once as one of these courses.

Term(s) Offered: Spring

ADV 444 - Strategic Campaigns

Credits: 3

Advanced study in the creation and implementation of advertising campaigns. Students will study the evolution of ad campaigns, the various forms of advertising, and local and national ad campaigns. Students also will practice targeting the audience, creating the advertising concept, and selecting media buys and budgeting.

Prerequisite(s): ADV 335 (grade of C or better) and nine hours of advertising.

Term(s) Offered: Fall

ADV 446 - Seminar in Advertising

Credits: 3

A capstone course involving the study of the origins and effects of modern advertising and how advertising works on individuals and society. Students will conduct their own inquiries through individual projects designed to make them consider the nature of needs and how to design, advertise, and satisfy them.

Prerequisite(s): ADV 342 (grade of C or better) or PRL 364 (grade of C or better) and 15 hours in major completed.

Term(s) Offered: Fall, Spring

ADV 489 - Internship in Advertising

Credits: 1-3

Offers students job experience in the discipline through a minimum of 50 hours of supervised professional work per credit hour.

Prerequisite(s): junior standing and consent of instructor.

Repeatability: Repeatable to a maximum of 3 hours.

Term(s) Offered: Fall, Spring, Summer

ADV 499 - Special Topics

Credits: 3

Topics will vary. Purpose of course is to cover topics which are not specific courses in the curriculum.

Prerequisite(s): junior standing.

Repeatability: Course may be repeated once if the topic is different from the one previously taken.

ANTH 111 - Introduction to World Cultures

Credits: 3

This course explores the human condition from a cross-cultural perspective and introduces the basic concepts, theories, and methodologies of cultural anthropology.

USI Core 39: Ways of Knowing-World Languages and Culture; World Language and Culture-BS; Embedded Experience-Diversity.

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

ANTH 121 - Introduction to Archaeology

Credits: 3

An introduction to archaeological methods, concepts, and theories, and their application in the investigation, reconstruction, and interpretation of both prehistoric and historic cultures. Students will learn what archaeologists do and how they discover what life was like in the past.

USI Core 39: Ways of Knowing-Historical Inquiry; Social Science-BS.

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

ANTH 131 - Introduction to Physical Anthropology

Credits: 3

This course examines fundamental aspects of a physical nature of humans and human variability. It selectively reviews the long record of human biological adaptations that have existed from the appearance of the earliest Hominids up to the development of anatomically modern forms. Topics include principles of evolution, human variation and adaptability, non-human primate behavior, non-human osteology (study of the skeleton), and the human fossil record.

USI Core 39: Natural Science (BS); Ways of Knowing-Scientific and Mathematical Inquiry.

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

ANTH 200 - Special Topics in Anthropology

Credits: 3

A study of selected topics of current interest and importance in anthropology. These topics will vary in accordance with the interests of the students and faculty.

Repeatability: Students may repeat the course without limit as the topic changes.

ANTH 211 - Introduction to Forensic Anthropology

Credits: 3

This course examines the fields of forensic anthropology and human osteology. It places emphasis on field recovery techniques, management of the death scene, estimation of time since death, and cause and manner of death. In addition, students will learn human osteology and its application to human identification in legal contexts.

USI Core 39: Natural Science (BS); Ways of Knowing-Scientific and Mathematical Inquiry.

Prerequisite(s): BIOL 105 or BIOL 133 or BIOL 141, or permission of instructor.

ANTH 221 - Archaeology: Fact and Fiction

Credits: 3

This course will investigate popular myths about the past, such as the lost continent of Atlantis and ancient alien astronauts. Students will learn to distinguish facts from fiction, understand how archaeologists know what they know, and more generally, learn how to check what we hear.

USI Core 39: Ways of Knowing-Historical Inquiry.

Prerequisite(s): ANTH 121.

ANTH 235 - American Life

Credits: 3

This course explores both differences and commonalities, and what defines "American" despite the nation's diversity. The United States is made up of diverse peoples, more-or-less bound together by a common government, laws, and economy and family histories reach into many different ethnic groups and traditions.

USI Core 39: Ways of Knowing-Social Inquiry; Social Science-BS; Embedded Experience-Writing.

Prerequisite(s): ANTH 111 and ENG 201.

ANTH 241 - The Supernatural

Credits: 3

Religious belief is a cultural universal -- all peoples have some form of belief in the supernatural. Though there are very few specific beliefs that all religions share, there are a number of common ways in which humans relate to and interact with the supernatural. This course will examine religion from a worldwide perspective, drawing upon examples from many areas of the globe.

Prerequisite(s): ANTH 111.

ANTH 322 - Cultural Ecology

Credits: 3

The natural environment provides both opportunities and limitations on human culture. It is a major contributing factor in the way particular cultures develop over time, in terms of subsistence patterns, technology, and socio-political structure. Students will examine the concept of cultural ecology, tracing its history in anthropology to the present day.

Prerequisite(s): ANTH 111 and junior standing.

ANTH 323 - Native Peoples of North America

Credits: 3

The ethnography of Native North American cultures through a detailed study of representative tribal units by cultural areas. The course includes an examination of historic native cultures from first contact with Europeans to the role of North American Indian populations as an important ethnic group in modern American life.

Prerequisite(s): ANTH 111 and junior standing.

ANTH 324 - Peoples of Asia

Credits: 3

An introduction to the diverse cultures of Asia through the reading of ethnography and other relevant anthropological literature. Emphasis will be placed on such topics as belief systems, ethnic identity, marriage, kinship, and social organization.

Prerequisite(s): ANTH 111 and junior standing.

ANTH 325 - Peoples of Latin America

Credits: 3

This course provides students with an introduction to the ethnography and ethnology of Latin America, examining the cultural diversity present in Latin America while also looking at the commonalities among its diverse populations.

Prerequisite(s): ANTH 111 and junior standing.

ANTH 326 - Peoples of Africa

Credits: 3

This course is a survey of sub-Saharan Africa that will provide a look at African culture, emphasizing economic, religious, and political aspects, both traditional and modern.

USI Core 39: Embedded Experience-Global.

Prerequisite(s): ANTH 111 and junior standing.

ANTH 342 - Archaeology of North America

Credits: 3

An introduction to the prehistoric past of North America prior to European contact. Topics covered include: the peopling of the Americas, the archaeology of eastern North America, and the prehistory of the American Southwest.

Prerequisite(s): ANTH 121 and junior standing.

ANTH 343 - Archaeology of Mesoamerica

Credits: 3

An introduction to the archaeological record of Mesoamerica, from the first inhabitants of the Americas to the European arrival in the sixteenth century. Cultures such as the Olmec, Maya, Toltec, and Aztec will be discussed, with particular emphasis on subsistence, architecture, social systems, and the development of social inequality.

Prerequisite(s): ANTH 121 and junior standing.

ANTH 344 - Archaeology of Greece

Credits: 3

This course is a survey of Greek archaeology, covering the period from the Stone Age to the death of Alexander the Great. The material culture of ancient Greece will be examined in its sociopolitical, economic, and religious context, exploring how ancient Greeks lived.

Prerequisite(s): ANTH 121 and junior standing.

ANTH 345 - Prehistory of Europe

Credits: 3

This course will examine the five main periods within the prehistoric past of Europe, from the Ice Age through the end of the Iron Age. Students will explore the archaeological remains from these periods, focusing on topics such as subsistence strategies, technology, social organization, mortuary practices, the arts, and warfare.

Prerequisite(s): ANTH 121 and junior standing.

ANTH 352 - Primatology

Credits: 3

Since primates are our closest living relatives, they are of great interest in better understanding both the past and present state of humanity. This course is an exploration of the taxonomic divisions, ecology, social organization, and reproductive behavior of the non-human primates. Both living and fossil primates will be considered.

Prerequisite(s): ANTH 131 and junior standing.

ANTH 353 - Human Origins

Credits: 3

An examination of the biological bases of human society and culture. This course surveys human evolution from pre-human ancestors to the appearance of Homo sapiens.

ANTH 354 - Human Osteology

Credits: 3

This course is devoted to a detailed examination of the descriptive and functional morphology of the human skeleton, with an emphasis on its applications in physical anthropology and archaeology. Students will explore methods used in determining age, sex, stature, trauma, and paleopathology.

Prerequisite(s): ANTH 131 and junior standing.

ANTH 355 - Human Variation

Credits: 3

The range of contemporary human biological variation is explored from an evolutionary and adaptive perspective. Also considered are the concepts of "race" and the history of its use (and abuse) within the discipline of anthropology.

Prerequisite(s): ANTH 131 and junior standing.

ANTH 370 - Cultural Anthropology Seminar

Credits: 3

An intensive, small-group discussion of specific topics of current interest in cultural anthropology. The seminar format will emphasize critical thinking and discussion. Students may take the course more than once as the topic changes.

Prerequisite(s): ANTH 111 and junior standing.

ANTH 380 - Archaeology Seminar

Credits: 3

An intensive, small-group discussion of recent, provocative books on topics of current interest to archaeological anthropology. The seminar format will emphasize critical thinking and discussion. Students may take the course more than once as the reading list changes.

Prerequisite(s): ANTH 121 and junior standing.

ANTH 390 - Physical Anthropology Seminar

Credits: 3

An intensive, small-group discussion of recent, provocative books on topics of current interest to physical anthropology. The seminar format will emphasize critical thinking and discussion. Students may take the course more than once as the reading list changes.

Prerequisite(s): ANTH 131 and junior standing.

ANTH 397 - Archaeological Field School

Credits: 6

This course is designed to give students experience in archaeological field methods through participation in a site excavation. Students learn basic excavation techniques, mapping, and artifact identification.

Prerequisite(s): permission of instructor.

Term(s) Offered: Summer

ANTH 401 - Anthropology Lab Methods

Credits: 3

This course will explore the means by which anthropologists analyze the material remains and derive conclusions. A variety of prehistoric and historic artifacts will be covered, including stone tools and ceramics. Each student will complete a research project involving the analysis of a collection.

Prerequisite(s): ANTH 111 , ANTH 121 , and ANTH 131.

ANTH 402 - Ethnography

Credits: 3

This course provides a historical perspective on the changes that have taken place in ethnographic inquiry. Topics covered include the historical foundations of ethnography, the crisis of representation in cultural anthropology, the ethics of ethnography, and methodologies for doing ethnography. Major themes will be addressed through readings and discussions of various ethnographic texts.

Prerequisite(s): ANTH 111 , ANTH 121 , and ANTH 131.

ANTH 475 - History of Anthropological Thought

Credits: 3

This course covers the major intellectual trends in cultural anthropology from the nineteenth century to the present. Topics include evolutionary anthropology, functionalism, materialism, structuralism, cognitive anthropology as well as more recent postmodern approaches to understanding culture.

Prerequisite(s): ANTH 111 , ANTH 121 , and ANTH 131.

ANTH 489 - Independent Study in Anthropology

Credits: 3

An extensive examination of the main anthropological ideas on a specific topic. The major paper is a product of critical reading or advanced research.

Prerequisite(s): nine hours sociology/anthropology and consent of instructor.

Repeatability: The course may be taken up to six hours.

ANTH 499 - Internship in Anthropology

Credits: 3

An opportunity for work experience in the area of anthropology. For students interested in graduate school, the internship will involve field research.

Prerequisite(s): nine hours in anthropology/sociology and consent of instructor.

Repeatability: The course may be taken for up to six credit hours with different placements.

ARAB 101 - Beginning Arabic I

Credits: 3

Fundamentals of Arabic, no previous Arabic required. Emphasis on the four language skills of listening, speaking, reading, and writing in the cultural context of Arabic-speaking countries. In addition to the regular class meetings, students are required to complete one hour per week in language lab.

USI Core 39: World Languages-BA; World Language and Culture-BS; Embedded Experience Diversity.

Term(s) Offered: Fall

ARAB 102 - Beginning Arabic II

Credits: 3

Fundamentals of Arabic; continuation of ARAB 101. Emphasis on the four language skills of listening, speaking, reading, and

writing in the cultural context of the Arabic-speaking countries. In addition to the regular class meeting, students are required to complete one hour per week in the language lab.

USI Core 39: World Languages-BA; World Language and Culture-BS; Embedded Experience Diversity.

Prerequisite(s): ARAB 101 or consent of the instructor.

Term(s) Offered: Spring

ARAB 203 - Intermediate Arabic I

Credits: 3

Continuation of ARAB 102. Emphasis on the four language skills of listening, speaking, reading, and writing in the cultural context of the Arabic-speaking countries. In addition to the regular class meeting, students are required to complete one hour per week in the language lab.

USI Core 39: World Languages-BA; World Language and Culture-BS; Embedded Experience Diversity.

Prerequisite(s): ARAB 102 or consent of the instructor.

Term(s) Offered: Fall

ARAB 204 - Intermediate Arabic II

Credits: 3

Continuation of ARAB 203. Emphasis on the four language skills of listening, speaking, reading, and writing in the cultural context of the Arabic-speaking countries. In addition to the regular class meeting, students are required to complete one hour per week in the language lab.

USI Core 39: Ways of Knowing-World Languages and Culture; World Languages-BA; World Language and Culture-BS; Embedded Experience-Diversity.

Prerequisite(s): ARAB 203 or consent of the instructor.

Term(s) Offered: Spring

ARAB 499 - Individual Study in Arabic

Credits: 1-3

Research or advanced study of a specific area of Arabic literature, culture, education or language culminating in an analytical paper or comprehensive exam.

Prerequisite(s): Approval of Department Chairperson.

Repeatability: May be taken up to 6 credit hours.

ART 103 - Color and Design

Credits: 3

An introduction to the two-dimensional arts through projects based on the fundamentals of design and study of color theory. A wide variety of art media and techniques are presented to prepare students for courses in painting, printmaking, and graphic design.

Term(s) Offered: Fall, Spring

ART 104 - Design in Materials

Credits: 3

An introduction to the process of developing three-dimensional concepts in visual art, using various media such as wood, metal, and clay.

USI Core 39: Ways of Knowing-Creative and Aesthetic Expression.

Term(s) Offered: Fall, Spring

ART 105 - Drawing I

Credits: 3

Investigation of basic drawing concepts, such as line quality, negative space, perspective, and use of value. Course will concentrate on techniques in black and white drawing media.

This course is part of the Core Transfer Library (CTL).

Indiana Statewide Common Course #: IFA 1320.

Term(s) Offered: Fall, Spring

ART 106 - Drawing and Composition

Credits: 3

Continuation of ART 105, concentrating on development of finished compositions in drawing. Course will explore techniques in color media.

Prerequisite(s): ART 105 or consent of instructor.

Term(s) Offered: Fall, Spring

ART 201 - Introduction to Visual Arts

Credits: 3

A basic survey of the media, elements, and organization of painting, graphics, sculpture, and architecture. ART 201 is not

applicable to the Art major.

USI Core 39: Ways of Knowing-Creative and Aesthetic Expression.

This course is part of the Core Transfer Library (CTL).

Indiana Statewide Common Course #: IFA 1310.

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

Term(s) Offered: Fall, Spring

ART 205 - Figure Drawing I

Credits: 3

Drawing the human figure, stressing form, structure, and action of the human figure.

Prerequisite(s): ART 105.

Term(s) Offered: Fall, Spring

ART 206 - Figure Drawing II

Credits: 3

Drawing the human figure from the posed model with various props.

Prerequisite(s): ART 205.

Term(s) Offered: Fall, Spring

ART 255 - Introduction to African Arts

Credits: 3

Introduction to African Arts through different types of visual arts and practices. Students will gain an understanding of African arts and their relevance in African cultures and history.

ART 273 - Intro to Photography

Credits: 3

Students will explore black-and-white film photography as they investigate problems of design, content, and expression, with emphasis on fine art applications. The course is taught in a chemical darkroom and includes film development, printing, mixing chemicals, and scanning negatives into the computer. Students must provide a manual 35-mm film camera and photo supplies.

Term(s) Offered: Fall, Spring

ART 311 - Painting I

Credits: 3

Focuses on traditional techniques in oil/acrylic painting media.

Prerequisite(s): ART 103 or consent of instructor.

Term(s) Offered: Fall, Spring, Summer

ART 312 - Painting II

Credits: 3

A continuation of ART 311, with emphasis on experimental/non-traditional painting techniques.

Prerequisite(s): ART 311.

Term(s) Offered: Fall, Spring, Summer

ART 313 - Ceramics I

Credits: 3

Introduction to basic methods of working with clay. Throwing, hand building, and a variety of techniques will be covered.

Term(s) Offered: Fall, Spring

ART 314 - Ceramics II

Credits: 3

A continuation of ART 313. Emphasis on more complex forms and glazes. Introduction to clay and glaze formulation and continued development of firing techniques.

Prerequisite(s): ART 313.

Term(s) Offered: Fall, Spring

ART 315 - Jewelry I

Credits: 3

The theory and practice of making jewelry and metal objects. Introduction to the fundamentals of fabrication and construction techniques.

Prerequisite(s): ART 104 or consent of instructor.

Term(s) Offered: Fall, Spring, Summer

ART 316 - Jewelry II

Credits: 3

Continued development in making jewelry and metal objects. Further technical exploration in metal media.

Prerequisite(s): ART 315.

Term(s) Offered: Fall, Spring

ART 341 - Sculpture I

Credits: 3

Introduction to processes and materials essential to the creation of three-dimensional art, accompanied by concept development to create successful sculpture.

Prerequisite(s): ART 104 or consent of instructor.

Term(s) Offered: Fall, Spring

ART 342 - Sculpture II

Credits: 3

Continuing involvement with sculptural processes and materials with emphasis on concept development.

Prerequisite(s): ART 341.

Term(s) Offered: Fall, Spring

ART 351 - Woodworking I

Credits: 3

Introduction to fundamental woodworking techniques. Emphasis will be placed on developing an understanding of basic wood joinery, machinery operation, and the development of an original design.

Prerequisite(s): ART 104 or consent of instructor.

Term(s) Offered: Fall, Spring

ART 352 - Woodworking II

Credits: 3

Continued experience in woodworking. The emphasis will be placed on merging the utilitarian form with the sculptural aesthetic.

Prerequisite(s): ART 351.

Term(s) Offered: Fall, Spring

ART 361 - Printmaking I

Credits: 3

Introduction to mono-printing, papermaking, black and white lithography, and woodcut techniques.

Prerequisite(s): ART 103 or consent of instructor.

Term(s) Offered: Fall, Spring

ART 362 - Printmaking II

Credits: 3

Introduction to black and white intaglio printmaking as well as basic color techniques in lithography, woodcut, and monoprint techniques.

Prerequisite(s): ART 361.

Term(s) Offered: Fall, Spring

ART 374 - Photography II

Credits: 3

Continuation of ART 273, expanding upon basic skills to communicate creatively through visual composition and working in series. Introduction to "hot" lights and studio strobes.

Prerequisite(s): ART 273 or consent of instructor.

Term(s) Offered: Fall, Spring, Summer

ART 399 - Select Topics in Studio Art

Credits: 3

An intensive study of specialized topics in the visual arts.

Prerequisite(s): junior standing or consent of instructor.

Repeatability: Repeatable with change in course content.

Term(s) Offered: Fall, Spring

ART 405 - Figure Drawing in Composition III

Credits: 3

Composing with the human figure, using props, and experimenting with various media.

Prerequisite(s): ART 206.

Term(s) Offered: Fall, Spring

ART 406 - Figure Drawing in Composition IV

Credits: 3

An extension of ART 405, drawing the human figure from posed model in composition, using various media.

Prerequisite(s): ART 405.

Term(s) Offered: Fall, Spring

ART 411 - Painting III

Credits: 3

Development of a series of works which relate conceptually, stylistically, and/or technically.

Prerequisite(s): ART 312.

Term(s) Offered: Fall, Spring, Summer

ART 412 - Painting IV

Credits: 3

Advanced work developing personal aesthetic vision in painting media.

Prerequisite(s): ART 411.

Term(s) Offered: Fall, Spring, Summer

ART 413 - Ceramics III

Credits: 3

Advanced methods of working with clay and glazes. More independent projects will be required. Demonstrated ability to load, fire, and operate kilns is required.

Prerequisite(s): ART 314.

Term(s) Offered: Fall, Spring

ART 414 - Ceramics IV

Credits: 3

A semester of intense ceramic work. Projects must indicate a comprehensive understanding of ceramic techniques.

Prerequisite(s): ART 413.

Term(s) Offered: Fall, Spring

ART 415 - Jewelry III

Credits: 3

Continuation of ART 316 - Jewelry II with emphasis on individual direction within the jewelry media.

Prerequisite(s): ART 316.

Term(s) Offered: Fall, Spring

ART 416 - Jewelry IV

Credits: 3

Continuation of ART 415 - Jewelry III with concentrated effort on personal development within the jewelry media.

Prerequisite(s): ART 415.

Term(s) Offered: Fall, Spring

ART 441 - Sculpture III

Credits: 3

Advanced experience in sculpture processes and materials with an emphasis on conceptualization and development of a personal aesthetic.

Prerequisite(s): ART 342.

Term(s) Offered: Fall, Spring

ART 442 - Sculpture IV

Credits: 3

Continuing advanced experience in sculptural processes and materials with emphasis on concept and personal aesthetic development.

Prerequisite(s): ART 441.

Term(s) Offered: Fall, Spring

ART 451 - Woodworking III

Credits: 3

Advanced experience in woodworking with emphasis on furniture design.

Prerequisite(s): ART 352.

Term(s) Offered: Fall, Spring

ART 452 - Woodworking IV

Credits: 3

Advanced experience in woodworking with emphasis on structural possibilities of wood.

Prerequisite(s): ART 451.

Term(s) Offered: Fall, Spring

ART 461 - Printmaking III

Credits: 3

Intermediate methods in intaglio, lithography, woodcut, and monoprint techniques.

Prerequisite(s): ART 362.

Term(s) Offered: Fall, Spring

ART 462 - Printmaking IV

Credits: 3

Advanced methods in intaglio, lithography, woodcut, and monoprint techniques.

Prerequisite(s): ART 461.

Term(s) Offered: Fall, Spring

ART 473 - Photography III

Credits: 3

This course further develops students' photographic skills in advanced digital and analog techniques while developing professional practices, such as self-directed projects and proposal writing. Technical skills covered may include studio lighting with hot and strobe lights, specialized cameras, creative collaboration, or service learning opportunities. Emphasis is placed on developing a cohesive portfolio.

Prerequisite(s): ART 374 and ARTD 383.

Term(s) Offered: Fall, Spring

ART 474 - Photography IV

Credits: 3

Advanced work in lighting and technical processes; development of a personal aesthetic vision in the medium.

Prerequisite(s): ART 473.

Term(s) Offered: Fall, Spring

ART 489 - Special Problems in Art

Credits: 1-6

Course by appointment with any of the full-time art faculty. Problems related to specific training within a specific area of art.

Prerequisite(s): junior or senior standing, consent of instructor.

Repeatability: This course may be repeated three times for total of nine credits.

Term(s) Offered: Fall, Spring, Summer

ART 493 - Senior Art Seminar

Credits: 3

A capstone course for art and art education majors combining discussion of current aesthetic issues in the visual arts with practical knowledge in career or graduate school preparation, as well as evaluation of student's artistic growth and potential.

Prerequisite(s): senior status or consent of instructor.

Term(s) Offered: Fall

ART 498 - Internship in Art

Credits: 3

A course to complement classroom and studio experience by providing professional work situations with an employer. The course requires a minimum of 150 hours of supervised professional work, two written evaluations by the supervisor, two onsite visits by a University official, maintenance of a portfolio of completed work, and periodic interviews with an art faculty member. Open to juniors and seniors.

Prerequisite(s): approval of Art Department chairperson. Grades will be assigned as Satisfactory or Unsatisfactory only.

Term(s) Offered: Fall, Spring, Summer

ARTD 231 - Introduction to Graphic Design

Credits: 3

An introduction to the creative principles and processes in visual communication. Emphasis is placed on thinking visually, exploring the relationship between words and images, and developing appropriate solutions to the problems assigned. An overview of the history of graphic design also is covered.

Term(s) Offered: Fall, Spring

ARTD 232 - Typography

Credits: 3

This course examines type as an element of design in visual communications. Type design, the study of letterforms, and the historical and modern development of the alphabet are covered. Students explore the creation of informative, experimental, and expressive typographic forms by using traditional and computer-generated techniques.

Term(s) Offered: Fall, Spring

ARTD 274 - Introduction to Digital Photo Imaging

Credits: 3

Students will create digital photographs as they learn new methods of using digital cameras and professional editing software for creative purposes. Students will apply design fundamentals and command basic color management processes as they learn how to apply digital photography skills to the creation of expressive images. Students must provide a digital camera with some manual features.

Term(s) Offered: Fall, Spring

ARTD 275 - Computer Graphic Arts

Credits: 3

This course explores the computer as a creative tool for designers, artists, and persons in the media arts. It familiarizes students with the concepts used in creative software programs for graphics. The primary emphasis is on the creative uses of computers in the arts, design, and media.

Term(s) Offered: Fall, Spring

ARTD 331 - Illustration Techniques

Credits: 3

This course introduces students to illustration principles, methods, and the use of materials. Students develop their perceptual abilities, sensitivity to color, and compositional ideas within the context of illustration. Students also explore the use of various materials and techniques to produce two-dimensional illustrations that challenge their ability to conceive and communicate ideas visually.

Prerequisite(s): ART 105 or consent of instructor.

Term(s) Offered: Fall, Spring

ARTD 332 - Digital Illustration

Credits: 3

An introduction to computer illustration using both object-oriented drawing software and bit-mapped painting software. This course allows students to explore their creative ideas in depth utilizing the computer. Students explore the synthesis of traditional illustration skills with digital skills and techniques.

Prerequisite(s): ARTD 275 or consent of instructor.

Term(s) Offered: Fall

ARTD 372 - Video Art

Credits: 3

An introduction to the creative principles and processes of video art. Students explore the practical applications and limitations of video and sound production. Basic video editing and visual effects are explored. Elements of storytelling, storyboarding, and other pre-production methods are discussed and implemented.

Prerequisite(s): ARTD 275 or consent of instructor.

ARTD 376 - Graphic Design II

Credits: 3

This course investigates the design and production issues of generating computer graphics for print or electronic media. It provides an understanding of the technical process of creating projects incorporating scanned and computer-generated images

and text. Students will gain experience integrating various computer applications and input/output hardware.

Prerequisite(s): ARTD 232 and ARTD 275 or consent of instructor.

Term(s) Offered: Fall, Spring

ARTD 378 - History of Graphic Design

Credits: 3

This course covers the history of graphic design with an emphasis on developments in design during the 19th and 20th centuries. It also will include an examination of the social, political, and technological factors that have shaped graphic design.

Prerequisite(s): ARTH 221 and ARTH 222 or consent of instructor.

Term(s) Offered: Spring

ARTD 381 - Interactive Web Design

Credits: 3

An introduction to the theory, tools, and techniques for creating interactive web pages. Introduces HTML coding as well as web page layout software. Focuses on designing the look, structuring the information, sequencing the pages, and integrating text and graphics as well as preparing and producing web pages.

Prerequisite(s): ARTD 275 or ARTD 231 or ARTD 274.

Term(s) Offered: Fall, Spring

ARTD 382 - Interactive Graphics

Credits: 3

This course provides an introduction to the concepts, tools, and techniques for producing interactive multimedia. Topics covered include: interface design, flow charting, navigational structures, metaphor, props, visual layout, and the integration of audio, video, and animated sequences.

Prerequisite(s): ARTD 275 or ARTD 274.

Term(s) Offered: Spring

ARTD 383 - Advanced Digital Photo Imaging

Credits: 3

This course explores the aesthetics, terminology, and techniques of digital imaging. Students will compose and optimize image captures specifically for subsequent digital manipulation. The course also examines color management processes for digital media and printed output as well as alternative imaging methods and creative printing effects.

Prerequisite(s): ARTD 274 or ARTD 275 or consent of instructor.

Term(s) Offered: Spring

ARTD 384 - Digital Animation

Credits: 3

Students explore the principles of animation with an emphasis in the study of motion. Using state-of-the industry digital tools, students will learn about timing, sequencing, story, character, camera movements, gravity effects (stretch and squash), and audio synchronization to create animations. A variety of techniques will be covered including, but not limited to cut-out, frame-by-frame, stop-motion, and rigging.

Prerequisite(s): ARTD 275 or ARTD 274.

ARTD 431 - Narrative Illustration

Credits: 3

Introduction to illustrating for narrative, sequence, or series. Students learn the tools and techniques of concept sketching and storyboards as a means of developing and communicating visual ideas. Working with selected texts, students develop a project from concept to completion. Students also explore the historical role of the illustrator as a visual storyteller.

Prerequisite(s): ARTD 331 or consent of instructor.

ARTD 432 - Conceptual Illustration

Credits: 3

Students refine their conceptual, aesthetic, and technical skills in a variety of advanced illustration assignments directed toward developing portfolio pieces and fine tuning their personal visual language. Assignments challenge the student to create a range of inventive and effective illustrative solutions in the appropriate media.

Prerequisite(s): ARTD 331 or consent of instructor.

ARTD 475 - Graphic Design III

Credits: 3

This course will emphasize the creation of innovative visual layouts by having students analyze the communication problem, define the most appropriate approach, and produce creative and aesthetic solutions using the computer. Various media will be used to implement these solutions including printing, advertising, packaging, exhibitions, and electronic media.

Prerequisite(s): ARTD 376 or consent of instructor.

Term(s) Offered: Fall, Spring

ARTD 476 - Graphic Design IV

Credits: 3

This course offers advanced study in computer graphics, allowing students to expand their computer knowledge and critically investigate the theoretical and practical issues of generating computer art. Students will propose, design, and produce individual and team projects suitable for their senior portfolio.

Prerequisite(s): ARTD 475 or consent of instructor.

Term(s) Offered: Spring

ARTD 481 - Advanced Web Design

Credits: 3

This course covers advanced tools and techniques for designing interactive digital media for network systems. Students are instructed in network delivery methods for sound, video, animation, database, and interactive content. Scripting and vector animation are utilized to bring additional functionality to a network site. Using various software packages, the student will create fully functional sites with interactive multimedia content. Web site management, browser and platform issues, and the limitations involved in designing for networks are covered.

Prerequisite(s): ARTD 381 or consent of instructor.

Term(s) Offered: Fall

ARTD 482 - Motion Graphics

Credits: 3

This course covers advanced issues in designing and producing interactive multimedia. Students are exposed to the complexities of multimedia authoring and production. Students, at times working in teams, will collaborate on developing the concept, layouts, storyboards, production schedule, and the user-interface. They will create and compile the content and produce the digital files for a fully functional multimedia presentation.

Prerequisite(s): ARTD 382 or consent of instructor.

Term(s) Offered: Spring

ARTD 494 - Senior Design Seminar

Credits: 3

A capstone course for art majors completing the emphasis in graphic design, interactive media design, or illustration. This course combines the discussion of current aesthetic issues in the visual arts with practical knowledge in career or graduate school

preparation, as well as evaluation of student's artistic growth and potential.

Prereq or Coreq: ARTD 475 for the graphic design emphasis; ARTD 481 for the interactive media design emphasis; ARTD 431 for the illustration emphasis; and senior standing or consent of instructor.

Term(s) Offered: Fall

ARTE 394 - Workshop in Art Education

Credits: 1

Introductory workshop in writing objective statements and lesson plans; reviewing art materials, technology, and teaching methods; and developing a portfolio in art education.

Prerequisite(s): Open to Art Education K-12 majors and minors.

Term(s) Offered: Fall

ARTE 395 - Introduction to Art Education

Credits: 3

Part A: Content. The course will involve a basic understanding of historical and philosophical premises of art education; different approaches in the teaching of art; development and practical application of basic art skills in the classroom; and understanding of developmental stages in children's art works. The course examines basic thematic understanding of lesson plans as they apply to the state of Indiana academic and the discipline based art education (DBAE) standards in teaching art in elementary and middle school. Part B: Supervised Internal Clinical. Use of written lesson plans from Part A in an approved clinical experience.

Prerequisite(s): open to elementary education majors and minors; does not fulfill requirements for art education P-12 and secondary art education majors and minors.

Term(s) Offered: Fall, Spring, Summer

ARTE 396 - Materials and Methods in Elementary and Middle School Art Education

Credits: 3

Part A: Content. The course will emphasize historical and philosophical premises of art education; different approaches in the teaching of art; development of basic art skills; and understanding of developmental stages in children's art works. The course examines in detail thematic understanding of written lesson plans as they apply to the state of Indiana academic and the discipline-based art education (DBAE) standards in teaching art in elementary and middle schools. Part B: Supervised Internal Clinical. Use of written lesson plans from Part A in an approved clinical experience.

Prerequisite(s): ARTE 394, open to art education P-12 majors and minors.

Term(s) Offered: Fall

ARTE 397 - Materials and Methods in Secondary Art Education

Credits: 3

Part A: Content. Teaching Art at the public high school level with strong emphasis on the use of art materials and methods in art education. The course will involve historical and philosophical premises of art education, different approaches in the teaching of art, understanding of high school children's art works, and the development and use of discipline-based art education (DBAE) written lesson plans as they apply to the state of Indiana academic standards. Part B: Supervised Clinical. Use of written lesson plans from Part A in an approved clinical experience.

Prerequisite(s): ARTE 396, open to art education P-12 and secondary art education majors and minors.

Term(s) Offered: Spring

ARTE 495 - Seminar in Art Education

Credits: 3

Workshop/review of teaching portfolio, and discussion of trends that are related to teaching art education. Student presentation of topical research based on assigned reading.

ARTH 253 - Art of Ancient Mexico

Credits: 3

The Art of Mesoamerica and the development of civilization in southern Mexico, Guatemala, Belize, and Honduras; examination of the Olmec, Maya, Aztec, and other groups, as well as the period of conquest and current conditions among the native peoples of the region.

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

ARTH 323 - Ancient Greek Art

Credits: 3

A survey of major monuments and issues of art from the ancient Western tradition, focusing on archaic and classical Greek art from c. 1000 BC to c. 50 BC.

Prerequisite(s): ARTH 221 and ARTH 222 or consent of instructor.

ARTH 327 - Medieval Art

Credits: 3

A survey covering major art movements and monuments in Europe, dating from the 4th to the 14th century, but concentrating on the art and architecture of the 8th to the 13th centuries.

Prerequisite(s): ARTH 221 and ARTH 222 or consent of instructor.

ARTH 335 - Asian Art

Credits: 3

This course surveys the art, architecture, and culture of India, China, Central Asia, and Japan. The approach will be primarily chronological within each of these four geographical units.

USI Core 39: BS-World Language and Culture; Ways of Knowing-World Languages and Culture; Embedded Experience-Writing.

Prerequisite(s): ENG 201, ARTH 221 and ARTH 222.

ARTH 343 - Renaissance Art

Credits: 3

A survey covering major movements, largely in Italy, in the period c. 1300-1600, including the Proto-Renaissance, Early Renaissance, High Renaissance, Mannerism, and Late Renaissance.

Prerequisite(s): ARTH 221 and ARTH 222 or consent of instructor.

ARTH 344 - Baroque Art

Credits: 3

A survey covering major movements in Europe and the Americas in the period 1600-1800, including the art and architecture of the Early Baroque, High Baroque, and Rococo.

Prerequisite(s): ARTH 221 and ARTH 222 or consent of instructor.

ARTH 353 - 19th Century Art

Credits: 3

Covers the major movements in the period c. 1780-1880, emphasizing Romanticism, Neo Classicism, Realism, and Impressionism.

Prerequisite(s): ARTH 221 and ARTH 222 or consent of instructor.

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

ARTH 354 - 20th Century Art

Credits: 3

The continuation of ARTH 353 covering the major movements in the period c. 1880-1980, including Post Impressionism, Cubism, Fauvism, Expressionism, DaDa, Surrealism, Abstract Expressionism, Pop, the Muralists, and non objective art.

Prerequisite(s): ARTH 221 and ARTH 222 or consent of instructor.

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

ARTH 355 - Contemporary Art

Credits: 3

The continuation of ARTH 354 covering the movements and artists in the period c. 1970-the present.

Prerequisite(s): ARTH 221 and ARTH 222 or consent of instructor. ARTH 354 recommended.

ARTH 359 - Special Studies in Art History

Credits: 1-3

Art historical studies offered in conjunction with special activities such as seminars, conferences, field work, or travel.

Repeatability: Repeatable three times with different topics for a total of six credit hours.

Term(s) Offered: Spring, Summer

ARTH 390 - Select Topics in Art History

Credits: 3

Studies within the field of art history covering a particular period or movement. May be used as an Art History Directed Elective. Approved topics may also be used to fulfill the Non-Western and Contemporary requirements of the Art History emphasis.

Prerequisite(s): ARTH 221 and ARTH 222, or consent of instructor.

Repeatability: repeatable up to 5 times with change of topic.

ARTH 490 - Special Problems in Art History

Credits: 3

An intensive study of some selected problems, areas, and movements in the field of the visual arts.

Prerequisite(s): ARTH 221 and ARTH 222 or consent of instructor.

Repeatability: Repeatable with change in course content.

Term(s) Offered: Fall, Spring

AHA 201 - Introduction to Arts and Heritage Administration

Credits: 3

Introduction to basic issues and challenges in the administration of non-profit arts and heritage organizations, including a brief history of arts and heritage management, the structure and challenges of the non-profit sector, and practical concerns in arts and heritage administration, including artistic and administrative leadership, institutional structures, government relations, and the place of arts and heritage institutions in modern society.

Term(s) Offered: Fall

AHA 251 - Computer Applications for Public and Non-Profit Organizations

Credits: 3

Introduction to computer applications including word processing, spreadsheets, presentations, and other software packages used in public and non-profit institutions and organizations.

Term(s) Offered: Fall

AHA 301 - Advanced Studies in Arts and Heritage Administration

Credits: 3

Students examine the changing role of arts and heritage organizations, and explore issues related to arts and heritage responsibilities, cultural sensitivity, community relationships, and outreach programs. Emphasis on creative research, strategic planning, collaboration, and oral and written communication.

Prerequisite(s): AHA 201 and either AHA 251 or CIS 151.

AHA 499 - Internship/Intensive Study in Arts and Heritage Administration

Credits: 3

Work experience in arts or heritage site or organization which may fall outside the traditional disciplinary internships. Intensive study related to a particular project that will be used by arts or heritage-related organization may substitute. An internship requires a minimum of 150 hours of supervised professional work, two written evaluations by the supervisor, two written self-evaluations and a final review with director of the AHA program. Intensive study should result in a substantial final project or report that will be submitted to an arts or heritage-related organization.

Prerequisite(s): Senior standing and consent of the AHA director.

Grading: Grades are assigned as Satisfactory/Unsatisfactory only.

ASTR 201 - General Astronomy

Credits: 4

An introduction to the basic concepts in astronomy. Use of the telescope and exercises in uranography are stressed.

USI Core 39: Ways of Knowing-Scientific and Mathematical Inquiry; Natural Science with Lab (BA and BS).

Prerequisite(s): Sophomore standing.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (3-1)

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

BGS 301 - The Ethics of Global Engagement

Credits: 3

This course expands students' capacity for civic engagement, providing a philosophical basis for service in western and more diverse traditions. It provides a global context for the issues addressed and affords students the opportunity for real community experiences that build skills necessary for civic involvement.

USI Core 39: Ways of Knowing-Moral and Ethical Reasoning; Embedded Experience-Global; Embedded Experience-Writing.

Prerequisite(s): ENG 101.

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

BGS 490 - General Studies Internship

Credits: 1-6

BGS 490 is designed to recognize the value of experiential learning activities and work experience relevant to the individual's program. Each student, as directed by a faculty member, and with consultation from the BGS director, will develop a career development plan that demonstrates the integration of prior educational and work experience with University coursework into a unified and meaningful whole. The number of hours of credit to be awarded will be determined by the faculty member, but may not exceed six. Credit will be awarded only after the student has been admitted to the BGS program.

BGS 498 - Personal and Professional Development

Credits: 3

This capstone course satisfies Core 39, Embedded Experience-Writing for students pursuing the Bachelor of General Studies. Others may enroll for elective credit. This course is an interdisciplinary study of adult human development and self. Theories of psychosocial, cognitive, moral, and faith development are examined and compared with the student's personal history and career development in the form of a professional portfolio and a thematic autobiography. The assigned Applied Research Project draws from the student's critical thinking and information processing skills in identifying a contemporary problem in an organization, gathering pertinent information for analysis, and choosing an appropriate solution.

USI Core 39: Embedded Experience-Writing.

Prerequisite(s): PSY 201, ENG 201, senior standing, and consent of instructor.

BIOL 105 - Biology of Human Concern

Credits: 4

This course examines general concepts in the life sciences, stressing those fundamental to life processes and of human concern. This course does not count toward requirements for biology majors and minors.

USI Core 39: Natural Science with Lab (BA and BS).

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (3-2)

This course is part of the Core Transfer Library (CTL).

Indiana Statewide Common Course #: ILS 1504.

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

Term(s) Offered: Fall, Spring, Summer

BIOL 108 - Biology for Educators

Credits: 2

An integrated inquiry based study of the characteristics of organisms, diversity and evolutionary processes, life cycles, and interdependence of organisms on each other and the environment. Enrollment will be limited to students majoring and minoring in education. This course will not earn elective credit for majors in biology, biochemistry, biophysics or minors in biology, environmental biology, biochemistry, or biophysics.

USI Core 39: Ways of Knowing-Scientific and Mathematical Inquiry; Natural Science with Lab (BA and BS).

Prerequisite(s): CHEM 108, CHEM 261 or consent of instructor

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (1-1.5)

BIOL 112 - Ethnobotany with Lab

Credits: 4

Examination of human uses of plants and the cultural/societal origins of usage. Plants for medicine and health, food, beverage, protection, aesthetics, and recreation will be discussed. Basic concepts in cell biology, genetics, plant taxonomy/ identification, plant anatomy, and plant physiology typical of Introductory Biology for non-majors courses will be covered. Through the lab, students will gain experience that will reinforce concepts from lecture. Students will work through the scientific method and use some of the basic tools used in the study of science. There will be opportunities for students to work through open-ended laboratory experiences. Does not apply toward a major or minor in biology.

USI Core 39: Natural Science with Lab (BA and BS).

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (3-2)

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

Term(s) Offered: Spring

BIOL 114 - Understanding Evolution

Credits: 4

This course is a survey of evolutionary thought from its beginnings as an explanation for diversity to its acceptance and application by biologists. Contemporary controversies will be discussed in their scientific and sociological contexts.

Prerequisite(s): None. Does not apply toward a major or minor in biology.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (3-2)

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

BIOL 121 - Human Anatomy and Physiology I

Credits: 4

An introduction to biological and chemical principles as they apply to the human body. Lectures and laboratory work will cover cellular anatomy and physiology, tissues, and the following systems: integumentary, skeletal, muscular, nervous, and endocrine.

USI Core 39: Natural Science with Lab (BA and BS).

Prerequisite(s): College chemistry is strongly recommended or may be taken concurrently.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (3-3)

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

Term(s) Offered: Fall, Spring, Summer

BIOL 122 - Human Anatomy and Physiology II

Credits: 4

A continuation of BIOL 121 consisting of lectures and laboratory work concerning the following systems: respiratory, cardiovascular, lymphatic, digestive, excretory, and reproductive.

USI Core 39: Natural Science with Lab (BA and BS).

Prerequisite(s): BIOL 121.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (3-3)

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

Term(s) Offered: Fall, Spring, Summer

BIOL 133 - Biological Concepts

Credits: 4

This lecture/laboratory course will cover biological concepts in the context of current issues in biology. Students will become more familiar with the scientific method as it applies to biology. Topics to be covered include: science and ethics; evolution and biodiversity; ecology; genetics and cellular biology. The lab will reinforce concepts from lecture. The course will not apply toward a major or minor in biology.

USI Core 39: Natural Science with Lab (BA and BS).

Prerequisite(s): ENG 100 or placement in ENG 101, MATH 100 or placement in MATH 111, and GENS 099 or GENS 151 unless exempt.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (3-2)

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

Term(s) Offered: Fall, Spring, Summer

BIOL 141 - Principles of Biology

Credits: 4

An introductory survey of the fundamental characteristics and processes of living organisms, including cell structure and function, energetics, genetics, development, evolution, and ecology. Laboratories include both didactic and investigative explorations of these processes.

USI Core 39: Ways of Knowing-Scientific and Mathematical Inquiry; Natural Science with Lab (BA and BS).

Prerequisite(s): Placement into ENG 100 or higher English writing course, and C or better in MATH 100 or placement into higher level college math course, and science major, or consent of instructor.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (3-3)

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

Term(s) Offered: Fall, Spring

BIOL 151 - Botany

Credits: 3

Fundamentals of plant structure and function are explored in the context of plant diversity and evolution. Consideration is given to variation in plant morphological and physiological strategies for life in a different environment. A course for majors and minors in biology.

Prerequisite(s): BIOL 141.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (2-2)

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

Term(s) Offered: Fall, Spring

BIOL 152 - Zoology

Credits: 3

A survey of the adaptations and taxonomic relationships of the major animal phyla with emphasis on evolutionary trends. Primarily for majors and minors in biology.

Prerequisite(s): BIOL 141.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (2-2)

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

Term(s) Offered: Fall, Spring

BIOL 176 - Nutrition

Credits: 3

A study of the nutrients, their availability in foods, mechanisms of digestion, absorption, and assimilation into body tissues. Also included will be a study of special conditions relating to nutrition. Does not apply toward a major or minor in biology. One semester college chemistry recommended.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (3-0)

This course is part of the Core Transfer Library (CTL).

Indiana Statewide Common Course #: *IHP 1402*.

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

Term(s) Offered: Spring

BIOL 208 - Wildlife Biology

Credits: 3

The course will address basic principles of wildlife ecology and their application in the management of wildlife populations. Topics include population growth, censusing, food habits, predation, harvesting, disease, exotic and endangered species, captive animal management, and conservation. Laboratories will include indoor and outdoor exercises in sampling, habitat evaluation, censusing, and wildlife observation.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (2-2)

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

Term(s) Offered: Fall, alternate years.

BIOL 215 - Ecology

Credits: 3

Introductory survey of the nature and importance of the interactions between organisms and their abiotic and biotic environments. Topics include energy flow, population dynamics, species interactions, community structure and development, and the use of statistics in ecological studies.

Prerequisite(s): BIOL 151 and BIOL 152.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (3-0)

Term(s) Offered: Fall, Spring

BIOL 221 - Introduction to Entomology

Credits: 4

Study of insects, their structure, physiology, taxonomy, development, ecology, economic importance, and their relation to other arthropods.

Prerequisite(s): BIOL 152.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (3-3)

BIOL 225 - Biological Literature and Communication

Credits: 2

This course is an introduction to scientific communication in biology. Topics covered will include the structure of primary literature in biology and outlets for communication of new knowledge in biology, concepts of basic statistical description and inference relevant to biologists, and methods for using biological databases. Hypothesis testing and the hypothetico-deductive method also will be discussed from both the standpoints of statistics and the epistemological foundations of scientific knowledge.

Prerequisite(s): BIOL 141.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (2-0)

BIOL 233 - Biological Aspects of Aging

Credits: 3

A study of the general biological aspects of the aging process with emphasis on homeostatic mechanisms and how age related changes relate to the development of disorder and disease at the molecular, cellular, systemic, and organismal levels of organization. Throughout the course special effort will be made to differentiate normal aging processes from age-related deterioration caused by disuse, misuse, and disease.

Prerequisite(s): BIOL 105 or BIOL 121 or BIOL 152.

BIOL 251 - Environmental Conservation

Credits: 3

This course is designed to introduce students to the basic scientific principles needed to understand the interdisciplinary and multinational (multicultural) nature of environmental issues and concerns. Through a series of lectures, discussions, and videotapes the student will be introduced to environmental issues from scientific viewpoints as well as political, economic, social, and philosophical realms.

USI Core 39: Natural Science (BS); Embedded Experience-Global.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (3-0)
Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.
Term(s) Offered: Fall, Spring

BIOL 272 - Medical Microbiology

Credits: 3

Structure, physiology, and general characteristics of medically important microorganisms. Included will be a study of host defense mechanisms, infections of human systems, control of infection, and development of microbiological techniques. Primarily for students in nursing, dental hygiene, and respiratory therapy.

Prerequisite(s): one college chemistry course and one college course in human anatomy and/or physiology or BIOL 152 or equivalent.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (2-2)
This course is part of the Core Transfer Library (CTL).
Indiana Statewide Common Course #: *ILS 1505*.
Term(s) Offered: Fall, Spring

BIOL 282 - Heredity and Society

Credits: 3

Introduction to the principles of human heredity, nature, and expression of genetic material. The medical and social implications of genetics are explored. Biology majors may not enroll.

USI Core 39: Natural Science (BS).

Prerequisite(s): BIOL 105 and chemistry recommended.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (3-0)
Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.
Term(s) Offered: Spring

BIOL 285 - Animal Behavior

Credits: 3

Using biological studies augmented with video clips, the diversity of animal behavior will be explored in the contexts of genetics, environment, ecology, and evolution. Throughout the course, the process of science will be emphasized as a way to understand animal behavior.

Prerequisite(s): BIOL 105 or BIOL 112 or BIOL 114 or BIOL 121 or BIOL 122 or BIOL 133 or BIOL 141 or BIOL 176 or BIOL 208 or BIOL 251 or BIOL 282 or other as approved by instructor.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (3-0)
Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

BIOL 305 - Aquatic Biology

Credits: 4

Dimensions of the physical, chemical, and biological factors of lakes, streams, and estuaries; including the study of benthos and vertebrates with emphasis on identification, classification, anatomy, physiology, and ecology. Indiana species will be emphasized but other important species will be included. Laboratory will be devoted to exploring techniques for evaluation of various aquatic parameters and the identification of organisms.

Prerequisite(s): BIOL 151 and BIOL 152.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (3-2)

Term(s) Offered: Fall (alternate years)

BIOL 306 - Ichthyology

Credits: 4

Introduction to the study of fishes including their evolution, ecology, and conservation. The course will place a special emphasis on the North American fresh water fauna.

Prerequisite(s): BIOL 152.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (3-2)

Term(s) Offered: Spring

BIOL 308 - Vertebrate Biology

Credits: 4

Lecture, laboratory, and field work on vertebrates; including identification, morphology, natural history, and evolution.

Prerequisite(s): BIOL 152 or consent of instructor.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (3-2)

Term(s) Offered: Spring (alternate years)

BIOL 321 - Invertebrate Zoology

Credits: 4

Study of the natural history, classification, adaptation, life cycles, physiology, and anatomy of invertebrate animals.

Prerequisite(s): BIOL 152 or consent of instructor.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (3-3)

Term(s) Offered: On demand.

BIOL 333 - Animal Physiology

Credits: 4

An in-depth systems approach will be used to study physiological processes in vertebrate animals with an emphasis on mammals. The course will focus heavily on cellular and molecular mechanisms. Laboratories will include the use of living tissues for the purpose of demonstrating concepts covered in the lecture portion of the course.

Prerequisite(s): BIOL 152, CHEM 241, or CHEM 353 or concurrently, or consent of instructor.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (3-3)

Term(s) Offered: Fall, Spring

BIOL 334 - Cell Biology

Credits: 3

An examination of the organization, functions, properties, and processes of eukaryotic cells, with selected comparisons to prokaryotic cells. Topics include the structure, flow, and expression of genetic information; the cell cycle; cellular energetics; membrane structure and function including cell signaling and transport; cell compartments and molecular trafficking; and the cytoskeleton and extra cellular structures.

Prerequisite(s): BIOL 141 and CHEM 241 or CHEM 353.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (3-0)

Term(s) Offered: Fall, Spring

BIOL 335 - Mechanisms of Pathophysiology

Credits: 3

A systems approach will be utilized to understand underlying mechanisms of the disease process and how these mechanisms relate to and cause overt signs and symptoms. The content will emphasize normal homeostatic controlling mechanisms, how pathophysiological mechanisms disturb homeostasis and cause dysfunction.

Prerequisite(s): one course in college physiology, BIOL 334, and one course in college chemistry or consent of instructor.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (3-0)

Term(s) Offered: On demand

BIOL 336 - Plant Physiology

Credits: 4

The course probes the major questions of plant physiologic and biochemical function at the sub cellular, cellular, tissue, and whole-plant levels of organization. Attention also is paid to the role of plant physiological response to the biotic and abiotic environment. Lecture areas include photobiology, carbon balance, transport processes, mineral nutrition, and biochemical defense; laboratory investigations will combine classic demonstrations of plant physiological principles with modern and investigative studies.

Prerequisite(s): BIOL 151.

Co-Requisite(s) (must be taken at same time as): CHEM 241 or CHEM 353 or consent of instructor.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (3-3)

BIOL 341 - Mycology

Credits: 4

Comparative study of the major groups of fungi. Survey will include morphological, ecological, and taxonomic aspects of plant parasitic, mycorrhizal, human pathogenic, and saprophytic fungi. Laboratory work will include local field trips, specimen identification, and experience in culturing various types of fungi.

Prerequisite(s): BIOL 151 or consent of instructor.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (2-4)

Term(s) Offered: On demand

BIOL 342 - Comparative Chordate Anatomy

Credits: 5

Lecture and laboratory studies of the functional morphology of chordates, with emphasis on the concept of homology.

Prerequisite(s): BIOL 152.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (3-4)

Term(s) Offered: Fall

BIOL 361 - Plant Systematics

Credits: 4

This course provides an introduction to the science of plant systematics, including phylogenetics, principles of botanical nomenclature, types of systemic data, mechanisms of evolution, and the resultant diversity of green plants. An emphasis will be placed on developing skills to collect, preserve, and identify plant specimens. Additionally, students will gain the ability to recognize common native and introduced species of the Indiana flora as well as characteristics associated with the major flowering plant families.

Prerequisite(s): BIOL 151.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (2-4)

Term(s) Offered: Fall (alternate years)

BIOL 371 - Tropical Biology

Credits: 3

An extensive course designed to acquaint the student with natural biological interactions in aquatic and terrestrial environments. The course consists of a period of field study in an area remote from the local campus. Orientation prior to and following course.

Prerequisite(s): BIOL 151 and BIOL 152 or consent of instructor.

Term(s) Offered: Summer

BIOL 375 - Microbiology

Credits: 3

The structure, physiology, identification, and significance of bacteria including an introduction to related organisms and immunology.

Prerequisite(s): BIOL 151 or BIOL 152, and CHEM 262.

Co-Requisite(s) (must be taken at same time as): BIOL 376.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (3-0)

Term(s) Offered: Spring

BIOL 376 - Laboratory in Microbiology

Credits: 2

Principles and laboratory techniques used in the isolation, cultivation, and identification of bacteria.

Co-Requisite(s) (must be taken at same time as): BIOL 375.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (0-4)

Term(s) Offered: Spring

BIOL 378 - Virology

Credits: 3

A survey of the structural mechanisms of replication and pathogenic mechanisms of bacterial, plant, insect, and animal viruses.

Prerequisite(s): BIOL 272 or BIOL 334 or consent of instructor.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (3-0)

Term(s) Offered: Fall

BIOL 381 - Medical Genetics

Credits: 3

A survey of genetic concepts including patterns of inheritance, gene structure and function, linkage, recombination, and mutation. The clinical consequences of mutations and chromosome abnormalities such as genetic disease, reproductive difficulties, pediatric disorders, and cancer are related to their underlying genetic basis. Genetic counseling, genetic screening, and gene therapy are discussed. Biology majors may not enroll.

Prerequisite(s): (CHEM 103 or CHEM 107 or CHEM 141 or CHEM 175 or CHEM 261 or other as approved by instructor) and (BIOL 121 and BIOL 122).

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (3/0)

BIOL 382 - Genetics

Credits: 4

The cellular and molecular basis of gene transmission, expression, interaction, mutation, mapping, and regulation. Includes laboratory investigations using molecular and classical techniques.

Prerequisite(s): BIOL 141 and either CHEM 241 or CHEM 353 (may be taken concurrently).

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (3-3)

Term(s) Offered: Fall, Spring

BIOL 422 - Immunology

Credits: 3

An introduction to the concepts and applications of immunology. The course emphasizes the structure, function, regulation, and development of the immune system. Immunopathology is included.

Prerequisite(s): BIOL 334 or consent of instructor.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (3-0)

Term(s) Offered: Spring

BIOL 431 - General Endocrinology

Credits: 3

The glands of internal secretion, including their structure, biochemistry, and physiology.

Prerequisite(s): BIOL 333, CHEM 241 or CHEM 354 recommended.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (3-0)

Term(s) Offered: On demand

BIOL 434 - Macromolecules and Metabolism

Credits: 4

Biological molecules, enzymology, intermediary metabolism, and regulation of biochemical processes from a functional context. The cellular and molecular basis of selected diseases and treatment are included.

Prerequisite(s): CHEM 241 or CHEM 354; BIOL 334.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (4-0)

Term(s) Offered: Fall, Spring

BIOL 436 - Molecular Biology Techniques

Credits: 4

A project-oriented laboratory course focusing on the isolation, manipulation, analysis and expression of nucleic acids using molecular biology techniques. Techniques vary among projects and typically include DNA restriction, subcloning, pcr, primer design, blot analysis, and introductory bioinformatics. Other techniques are used when appropriate.

Prerequisite(s): BIOL 382, CHEM 354 or CHEM 241, or consent of instructor.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (2-6)

Term(s) Offered: On demand.

BIOL 442 - Histology

Credits: 4

This course is an introduction to the study of vertebrate tissues and cellular structures through the critical use of the light microscope.

Prerequisite(s): BIOL 333

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (2-4)

Term(s) Offered: Fall

BIOL 452 - Biology and Environmental Science of Global Change

Credits: 3

We examine the major processes, causes, correlates, and consequences of anthropogenic global change from a biological perspective. These include climate change and carbon cycle disruption, nitrogen cycle disruption, and habitat conversion as well as global species extinctions, movements, and introductions. We also explore alterations of ecosystems that result and consider issues surrounding adaptation, mitigation of global change processes.

Prerequisite(s): BIOL 215 or permission of instructor.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (3-0).

Term(s) Offered: On demand

BIOL 459 - Advanced Ecology

Credits: 4

This course will cover advanced topics in ecology as determined by the interest of the instructor. Potential topics include behavioral ecology, microbial ecology, physiological ecology, and population ecology. Laboratories will provide opportunities to collect and analyze data germane to lecture topics.

Prerequisite(s): BIOL 215, or consent of instructor.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (3-3)

Repeatability: May be repeated with change in topic for a maximum of 8 hours

Term(s) Offered: On demand

BIOL 460 - Internship

Credits: 1-4

A supervised learning and work experience in biology which enhances the student's understanding of and appreciation for the application of biological knowledge and skills. Students can earn from 1-4 credits.

Prerequisite(s): Junior standing in the major and consent of instructor/chair.

Repeatability: A maximum of 4 credits from among BIOL 460, BIOL 470 and BIOL 499 is allowed towards the biology major.

BIOL 461 - Developmental Biology

Credits: 4

This is an introduction to the study of morphogenesis and differentiation of tissues. Lecture and laboratory sessions will include an integration of classical, molecular, and evolutionary perspectives in the development of vertebrate embryos.

Prerequisite(s): BIOL 152 and BIOL 334.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (3-3)

Term(s) Offered: Spring

BIOL 465 - Plant Growth and Development

Credits: 4

This course examines plant growth and development. Factors that affect development of the plant will be studied. The role of growth regulators, the environment, and genetics in plant growth regulation will be emphasized. The laboratory will have a strong investigative component.

Prerequisite(s): BIOL 151 and BIOL 334 or consent of instructor. Completing BIOL 382 is not essential for success in this course. However, completion of BIOL 334 is important. The prerequisite content necessary to understand plant growth and development is covered to a large extent in BIOL 334 rather than BIOL 382

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (3-3)

Term(s) Offered: Alternate years.

BIOL 470 - Independent Study

Credits: 1-4

Readings and/or literature surveys covering selected biological topics not part of the established departmental curriculum.

Prerequisite(s): Consent of instructor

Repeatability: A maximum of 4 credits from among BIOL 460, BIOL 470 and BIOL 499 is allowed towards the biology major.

BIOL 476 - Bacterial Pathogenesis

Credits: 3

Bacterial Pathogenesis is designed to introduce the Biology major to the diverse ways bacterial pathogens cause disease at the cellular and organismal levels, with an emphasis on bacterial pathogens. This lecture course will lay a strong foundation for the understanding of host-parasite interactions, mechanisms of pathogenicity, and a general knowledge of infectious disease. Primary literature that addresses the newest developments of bacterial pathogenicity will be integrated into the required reading. Students will be required, at the end of the course, to give a presentation on an assigned pathogen which will focus on the topics covered in the class.

Prerequisite(s): BIOL 375 and BIOL 376 or BIOL 272; and BIOL 333 and BIOL 334; or consent of the instructor

BIOL 481 - Organic Evolution

Credits: 3

A discussion of the science of evolution and how evolutionary theory can explain the diversity of life on earth. Topics include evidence for macroevolution, the history of evolutionary thought, adaptation, population genetics, speciation, and human evolution. As a synthesis course, contemporary issues such as the role of evolution in science education and evolutionary explanations for human behavior will be framed by appropriate scientific, historical sociological, and psychological perspectives.

Prerequisite(s): BIOL 215 and junior status in science or consent of instructor.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (3-0)

Term(s) Offered: Fall, Spring

BIOL 482 - Molecular Biology

Credits: 3

Advanced topics in gene structure, expression, regulation, maintenance, and modification. Examples selected from eukaryotic, prokaryotic, and viral systems. Topics include the mapping, analysis, and manipulation of genes; the analysis and expression of genomes and proteomes; and molecular genetic applications in forensics, agriculture, industry, and medicine.

Prerequisite(s): BIOL 334, BIOL 382, and CHEM 241 or CHEM 354, or consent of instructor.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (3-0)

Term(s) Offered: Alternate years

BIOL 490 - Undergraduate Teaching

Credits: 1

A course designed to give practical experience to biology majors in teaching a laboratory class. Duties involve preparation and set-up prior to class and answering student questions during the laboratory session. Design and administration of laboratory tests as well as grading homework will be a component of preparation. Students will be expected to attend staff meetings as appropriate for the course assignment. Hours do not apply to Core 39, the University Core Curriculum or the biology major.

Prerequisite(s): consent of department chair.

Term(s) Offered: Fall, Spring, Summer

BIOL 491 - Special Topics in Biology

Credits: 1-4

A course for biology majors in which special topics are considered in an individual or seminar format.

Prerequisite(s): Consent of instructor.

Term(s) Offered: Fall, Spring, Summer

BIOL 493 - Biology Colloquium

Credits: 2

This course will train students with research results to communicate those results to the scientific community as professionals. The focus of the course will be on rapid communication methods used in professional conferences and meetings. Oral and poster presentation methods will be covered. The culmination of this course will be a colloquium in which student participants will present their research to the biology department and the University at large.

Prereq or Coreq: BIOL 499.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (2-0)

BIOL 495 - Senior Seminar in Biology

Credits: 1

A seminar course in selected topics of current biological interest.

Prerequisite(s): Consent of instructor.

Term(s) Offered: On demand.

BIOL 499 - Independent Research

Credits: 1-3

Course consists of individual undergraduate research in an area of common interest to student and instructor.

Prerequisite(s): Consent of instructor.

Repeatability: May be repeated; a maximum of 4 credits from among BIOL 460 , BIOL 470 and BIOL 499 is allowed towards the biology major.

Term(s) Offered: Fall, Spring, Summer

BUAD 499 - Business Professional Practice

Credits: 1-3

A cooperative work-study program designed to: (1) provide undergraduate business students realistic work experience to improve the depth of understanding of the nature of American and international business; (2) develop student maturity and confidence to determine in which areas of business they should seek their professional careers; and, (3) create a work situation where advanced business courses are made more meaningful as a result of the perspective that comes from such a professional experience.

Prerequisite(s): Students must have completed or be enrolled in his/her 63rd semester hour of credit including the following courses: ACCT 201, ACCT 202, ECON 208, ECON 209, ECON 265, ENG 201, CMST 101. A minimum overall 2.75 GPA, and minimum 2.75 GPA in all business courses. Consent of the Assistant Dean.

Repeatability: Repeatable for a maximum of six credit hours applied as electives in a business bachelor's degree program.

Grading: Grades assigned as Satisfactory or Unsatisfactory only.

BCOM 231 - Business Communication

Credits: 3

A detailed study of business communication. Includes analysis and practice in writing a variety of messages used to communicate in business and industry. Emphasizes the psycho-semantic aspects of effective organizational communication.

USI Core 39: Embedded Experience-Writing.

Prerequisite(s): CMST 101, CIS 151, and ENG 201.

Term(s) Offered: Fall, Spring, Summer

BCOM 331 - Advanced Business Communication

Credits: 3

The continued study of business communication builds on foundations presented in BCOM 231. This course expands basic communication skills and knowledge as students prepare for the increased communication demands of the business world. The topics covered provide a macro approach to business communication practices and skills at the corporate level.

Prerequisite(s): BCOM 231 and junior standing or permission of instructor.

BCOM 351 - Negotiation and Conflict Resolution

Credits: 3

The ability to negotiate and resolve conflicts has never been more important than in contemporary organizations, where the allocation of scarce resources is a constant challenge. Students enrolled in BCOM 351 will be asked to integrate knowledge from fields such as management, marketing, technology, economics, accounting and finance to develop solutions to demands for resources from both the individual and organizational perspective.

Prerequisite(s): BCOM 231

BCOM 401 - Business Career Planning and Professional Development

Credits: 1

A lecture-discussion-practicum class emphasizing identification of goals and processes of professional development through career planning. Related job-market issues of concern to senior business students also are addressed.

Prerequisite(s): BCOM 231 and senior standing.

Term(s) Offered: Fall, Spring, Summer

BSED 393 - Methods of Teaching Computer Courses

Credits: 3

Objectives, planning, methods, materials, and devices for teaching computer applications. A hands-on approach to the use of the microcomputer in business education classes; use of business software; and analysis and design of programs for business education courses.

Prerequisite(s): CIS 261.

BSED 397 - Methods of Teaching Business Education

Credits: 3

Emphasis on instructional methods and materials used in teaching business education subjects. Also includes class organization,

equipment needs, standards, and evaluation.

Prerequisite(s): ACCT 201, ECON 208, and EDUC 221

BLAW 263 - Legal Environment of Business

Credits: 3

Required: Business Core requirement for all business majors. An introduction to the legal system within which business organizations operate, as well as ethical considerations and social and political influences that affect such organizations by changing the legal system.

Prerequisite(s): sophomore standing.

Term(s) Offered: Fall, Spring, Summer

BLAW 363 - Law for the Entrepreneur

Credits: 3

This course provides an overview of the legal issues involved in starting and running a business. Students become limited owners of an actual on-going business, which they operate. Topics covered include, but are not limited to, legal matters in a commercial setting, as well as continued preparation for legal subjects covered in the CPA/CMA exams.

Prerequisite(s): BLAW 263.

Term(s) Offered: Fall

CHEM 103 - Molecules, Matter, and Me

Credits: 3

This introductory chemistry class is designed to give knowledge and understanding of selected important facts and principles of chemistry. Topics such as nuclear energy, radiation, global warming, and ozone depletion are investigated.

USI Core 39: Natural Science (BS).

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (3-0)

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

Term(s) Offered: Fall, Spring, Summer

CHEM 107 - Elements in Everyday Chemistry

Credits: 4

An introductory chemistry course that uses selected important facts and principles to explain interesting phenomena such as global warming, ozone depletion, nuclear energy, acid rain, etc. A laboratory experience enhances the understanding of

chemistry.

USI Core 39: Natural Science with Lab (BA and BS).

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (3-3)

This course is part of the Core Transfer Library (CTL).

Indiana Statewide Common Course #: IPS 1720.

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

Term(s) Offered: Fall, Spring, Summer

CHEM 108 - Chemistry for Educators

Credits: 2

This course provides an inquiry based approach to learning foundational concepts of chemistry with coverage of chemistry's influence on society where appropriate. Topics will include scientific method, nature of matter, atomic structure, bonding theories, chemical reactions and thermochemistry. Issues related to laboratory safety including proper handling, storage, and disposal of chemicals are addressed. This course is intended for teacher candidates only.

USI Core 39: Ways of Knowing-Scientific and Mathematical Inquiry; Natural Science with Lab (BA and BS).

Prerequisite(s): Grade of C or better in PHYS 108, PHYS 175 or PHYS 205 or consent of instructor.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (1-1.5)

CHEM 141 - Principles of Chemistry

Credits: 4

Selected principles and applications of inorganic, physical, organic, and biochemistry with laboratory experiments illustrating the principles covered.

USI Core 39: Ways of Knowing-Scientific and Mathematical Inquiry; Natural Science with Lab (BA and BS).

Prerequisite(s): working knowledge of algebra.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (3-3)

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

Term(s) Offered: Fall, Spring, Summer

CHEM 175 - Survey of Chemical Concepts

Credits: 4

A broad introduction to chemical concepts selected to enhance the background of beginning science majors.

Prerequisite(s): high school chemistry or consent of instructor.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (3-3)

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

Term(s) Offered: Fall, Spring

CHEM 218 - Chemistry Seminar I

Credits: 1

This course provides an introduction to chemical literature, scientific writing, and science ethics. Students will conduct literature searches and prepare outlines, summaries, and reports and give a poster presentation on various topics.

USI Core 39: Embedded Experience -Writing.

Prerequisite(s): ENG 201 and CHEM 353 (may be taken concurrently).

Co-Requisite(s) (must be taken at same time as): CHEM 353

Term(s) Offered: Fall, Spring

CHEM 241 - Organic/Biochemistry Principles

Credits: 4

The major emphasis is on introductory principles of organic and biochemistry.

Prerequisite(s): CHEM 261 and CHEM 262 or equivalent.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (4-0)

This course is part of the Core Transfer Library (CTL).

Indiana Statewide Common Course #: IPS 1723.

Term(s) Offered: Fall

CHEM 261 - General Chemistry I

Credits: 4

A systematic study of the essential nomenclature, hypotheses, theories, and laws of chemistry necessary for chemistry majors and minors. Some of the topics presented in the course include stoichiometry, atomic structure, thermochemistry, solutions, crystal structure, and gas laws.

USI Core 39: Natural Science with Lab (BA and BS).

Prerequisite(s): MATH 111, MATH 114, MATH 115, or MATH 118 (may be taken concurrently); or placement into MATH 230 or exempt from Math placement testing; or CHEM 175; or consent of instructor.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (3-3)

This course is part of the Core Transfer Library (CTL).

Indiana Statewide Common Course #: IPS 1721.

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

Term(s) Offered: Fall, Spring, Summer

CHEM 262 - General Chemistry II

Credits: 4

A continuation of CHEM 261 with some laboratory work in qualitative analysis. Some of the topics presented include kinetics, equilibrium, ionic equilibrium, thermodynamics, electrochemistry, and nuclear and organic chemistry.

USI Core 39: Ways of Knowing-Scientific and Mathematical Inquiry; Natural Science with Lab (BA and BS).

Prerequisite(s): CHEM 261 or equivalent.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (3-3)

This course is part of the Core Transfer Library (CTL).

Indiana Statewide Common Course #: IPS 1722.

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

Term(s) Offered: Fall, Spring, Summer

CHEM 318 - Chemistry Seminar II

Credits: 1

Students will use online databases such as Dialog, Scifinder, and STN to research chemistry literature and patents in order to prepare scientific manuscripts and present a seminar on a chemistry literature paper. Students will also participate in mock interviews and learn about graduate school and career options.

USI Core 39: Embedded Experience-Writing.

Prerequisite(s): CHEM 218 and CHEM 354 (may be taken concurrently) and ENG 201.

Term(s) Offered: Fall

CHEM 321 - Quantitative Analysis

Credits: 4

The principles and techniques of gravimetric, volumetric, spectrophotometric, electrochemical analysis, and chromatography are developed in lecture and laboratory.

Prerequisite(s): CHEM 262 or consent of instructor.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (3-3)

Term(s) Offered: Spring, Summer

CHEM 341 - Environmental Chemistry

Credits: 3

A combination field, lecture, demonstration, and laboratory course to study the collection, analysis, and effects of chemicals in the environment.

Prerequisite(s): CHEM 321 and CHEM 353, or consent of instructor.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (2-3)

Term(s) Offered: Fall, odd-numbered years.

CHEM 351 - Polymer Chemistry

Credits: 3

This course provides an introduction to macromolecules, standard methods of polymer synthesis, chemical kinetics, and characterization and processing methods.

Prerequisite(s): CHEM 354 or consent of instructor.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (2-3)

Term(s) Offered: Spring, odd-numbered years.

CHEM 353 - Organic Chemistry I

Credits: 4

A development of the fundamentals of aliphatic and aromatic organic chemistry with special emphasis on structure and mechanism. Structure, nomenclature, and physical properties of all organic functional groups are included.

Prerequisite(s): CHEM 262.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (3-3)

Term(s) Offered: Fall, Spring, Summer

CHEM 354 - Organic Chemistry II

Credits: 4

A continuation of CHEM 353 including alicyclic and aromatic compounds.

Prerequisite(s): CHEM 353.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (3-3)

Term(s) Offered: Fall, Spring, Summer

CHEM 361 - Survey of Physical Chemistry

Credits: 4

Coverage includes selected topics from applied chemical thermodynamics, kinetics, statistical mechanics and quantum mechanics. Required expressions are developed from fundamental principles utilizing calculus. A laboratory experience providing exercises in thermodynamics, kinetics, and spectroscopy is included. Biological applications are explored in lecture

and laboratory when appropriate.

Prerequisite(s): MATH 230, PHYS 176 (or PHYS 206), and CHEM 321.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (3-3)

Term(s) Offered: Fall

CHEM 418 - Chemistry Seminar III

Credits: 1

Using skills gained from 218 and 318, students will write a comprehensive literature review article on an approved chemistry topic and provide an oral presentation to the class.

USI Core 39: Embedded Experience-Writing.

Prerequisite(s): ENG 201 and CHEM 318.

Term(s) Offered: Spring

CHEM 421 - Instrumental Analysis

Credits: 4

This course introduces students to the instruments and techniques used in modern chemical analysis. The course will emphasize spectrophotometry, electrochemical analysis, chromatography, and mass spectrometry, and will provide an introduction to the electronics of modern chemical instrumentation. Laboratory work provides students with experience using techniques described in this course.

Prerequisite(s): CHEM 321, CHEM 354, and PHYS 176 or PHYS 206.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (2-6)

Term(s) Offered: Fall

CHEM 431 - Biochemistry I

Credits: 4

Biochemistry of amino acids, proteins, nucleic acids, lipids, carbohydrates, and the actions of enzymes. Encompasses chemical properties and techniques involved in the study of these macromolecules and their monomeric units.

Prerequisite(s): CHEM 354, BIOL 334, or consent of instructor; recommended CHEM 321.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (3-3)

Term(s) Offered: Fall

CHEM 432 - Biochemistry II

Credits: 4

Continuation of 431 including major metabolic pathways with emphasis on energy considerations and interrelationships of the pathways, inorganic metabolism, acid-base balance, and hormones.

Prerequisite(s): CHEM 431.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (3-3)

Term(s) Offered: Spring

CHEM 441 - Inorganic Chemistry

Credits: 4

Introduction to the chemistry of all the elements, developed from the principles governing atomic structure and bonding, with special emphasis on transition metal and organometallic chemistry.

Prerequisite(s): CHEM 354 or consent of instructor.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (3-3)

Term(s) Offered: Spring

CHEM 453 - Advanced Organic Chemistry

Credits: 3

Advanced course in organic chemistry in which selected topics will be examined.

Prerequisite(s): CHEM 354.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (2-3)

Term(s) Offered: Spring, even-numbered years.

CHEM 461 - Physical Chemistry I

Credits: 4

Introduction to kinetic molecular theory, chemical thermodynamics, and kinetics. Students will explore the development of these theories from fundamental principles using multivariable calculus. Selected results from statistical mechanics also will be included. Laboratory work is designed to engage students in practical application of these theories and to expand their understanding of formal scientific communication.

Prerequisite(s): CHEM 321, MATH 235, and PHYS 206. MATH 335 is recommended but not required.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (3-3)

Term(s) Offered: Fall

CHEM 462 - Physical Chemistry II

Credits: 4

Introduction to the theory of quantum mechanics including its applications to spectroscopy. As a continuation of 461 this course also will contain selected topics in thermodynamics and statistical mechanics. Students will explore the development of quantum mechanics from fundamental postulates using multivariable calculus. Laboratory work is designed to engage students in practical application of theoretical principles and to expand their understanding of formal scientific communication.

Prerequisite(s): CHEM 461. MATH 335 is recommended but not required.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (3-3)

Term(s) Offered: Spring

CHEM 490 - Undergraduate Teaching Experience in Chemistry

Credits: 1-3

Course designed to provide students with practical exposure to and experience with the college teaching profession. Students will work closely with individual faculty to learn and experience first-hand the range of duties performed by college professors in chemistry. Students will assist faculty in activities such as laboratory instruction, exam preparation, grading, and development of course materials and exercises. Intended for academically talented chemistry majors who aspire to careers in the professorate or high school teaching. Tuition waiver provided.

Prerequisite(s): Junior or senior standing plus consent of supervising instructor and department chair. This course does not satisfy any requirement in the Core Curriculum and will not be counted toward the chemistry major.

Term(s) Offered: Fall, Spring, Summer

CHEM 499 - Introduction to Research

Credits: 1-2

Original problems in experimental and theoretical chemistry.

Prerequisite(s): consent of instructor and approval of department chair.

Repeatability: May be repeated up to eight hours.

Term(s) Offered: Fall, Spring, Summer

CHIN 101 - Beginning Chinese I

Credits: 3

Fundamentals of Chinese; no previous Chinese required. Emphasis on the four language skills of listening, speaking, reading, and writing in the cultural context of the Chinese-speaking countries. In addition to the regular class meetings, students are required to complete one hour per week in language lab.

USI Core 39: World Languages-BA; World Language and Culture-BS; Embedded Experience Diversity.

Term(s) Offered: Fall

CHIN 102 - Beginning Chinese II

Credits: 3

Fundamentals of Chinese; continuation of CHIN 101. Emphasis on the four language skills of listening, speaking, reading, and writing in the cultural context of the Chinese-speaking countries. In addition to the regular class meeting, students are required to complete one hour per week in the language lab.

USI Core 39: World Languages-BA; World Language and Culture-BS; Embedded Experience Diversity.

Prerequisite(s): CHIN 101 or consent of instructor.

Term(s) Offered: Spring

CHIN 203 - Intermediate Chinese I

Credits: 3

Continuation of CHIN 102. Emphasis on the four language skills of listening, speaking, reading, and writing in the cultural context of the Chinese-speaking countries. In addition to the regular class meeting, students are required to complete one hour per week in language lab.

USI Core 39: World Languages-BA; World Language and Culture-BS; Embedded Experience Diversity.

Prerequisite(s): CHIN 102 or consent of instructor.

Term(s) Offered: Fall

CHIN 204 - Intermediate Chinese II

Credits: 3

Continuation of CHIN 203. Emphasis on the four language skills of listening, speaking, reading, and writing in the cultural context of the Chinese-speaking countries. In addition to the regular class meeting, students are required to complete one hour per week in language lab.

USI Core 39: Ways of Knowing-World Languages and Culture; World Languages-BA; World Language and Culture-BS; Embedded Experience-Diversity.

Prerequisite(s): CHIN 203 or consent of instructor.

Term(s) Offered: Spring

CHIN 499 - Individual Study in Chinese

Credits: 1-3

Research or advanced study of a specific area of Chinese literature, culture, education, or language, culminating in an analytical paper or comprehensive exam.

Prerequisite(s): Approval of department chairperson.

Repeatability: May be taken up to 6 credit hours.

CE 221 - Surveying

Credits: 3

Care and use of tapes, level, transit, electronic distance measuring equipment and data collector; differential leveling, traversing, closure and area computations, reduction and plotting of field notes of topographic surveys.

Prerequisite(s): ENGR 107 and MATH 230.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (2-3)

CE 323 - Transportation Engineering

Credits: 3

Introduction to transportation and the planning of transportation systems. Highway and airfield design criteria. Operational characteristics of transportation systems.

Prerequisite(s): ENGR 222 and CE 381.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (3-0)

CE 361 - Structural Analysis

Credits: 4

Classification of structures, loads, reactions, shear and moment diagrams, trusses, framed structures, influence lines, moving loads, deflections, and analysis of statically indeterminate structures, including moment distribution.

Prerequisite(s): ENGR 355.

CE 381 - Soil Mechanics

Credits: 3

Physical and index properties of soil, soil classification, soil-water interaction, stresses, settlement, and shear strength will be studied. Laboratory experiments will include Atterberg Limits, grain size analysis, shear strength, consolidation, and Proctor tests.

Prerequisite(s): ENGR 355.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (2-3)

CE 441 - Environmental Engineering

Credits: 4

Study of environmental systems, water/air/soil resources, environmental legislation, and design of pollution control equipment. Topics include legislation review, water chemistry, water treatment, wastewater treatment, air pollution abatement, solid waste management, and hazardous waste treatment.

Prerequisite(s): ENGR 375 and CHEM 261.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (3-3)

CE 451 - Water Resources and Hydrologic Design

Credits: 4

Study of the hydrologic cycle. Topics include precipitation analysis, infiltration analysis, groundwater flow, unit hydrograph development, hydrologic probabilities, and flow measurement. This course will consider both design of water use and water excess management facilities.

Prerequisite(s): ENGR 375.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (3-3)

CE 461 - Reinforced Concrete Design

Credits: 4

Design of reinforced concrete structures for bending, shear and diagonal tension, axial load and bending, development lengths and splices, including retaining walls and reinforced concrete foundations.

Prerequisite(s): CE 361.

CE 462 - Steel Design

Credits: 4

Design of steel structures for tension members, beams and columns, bolted and welded connections, including plate girders using the latest LRFD specifications.

Prerequisite(s): CE 361.

CE 481 - Geotechnical Engineering Design

Credits: 3

Topics that will be studied include bearing capacity, isolated and combined footing design, lateral earth pressure, retaining wall design, pile and pier design, slope stability, and design of foundations for seismicity. Professional and ethical responsibility and legal ramifications of design problems also will be considered.

Prerequisite(s): CE 381 and CE 461.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (3-0)

CMST 101 - Introduction to Public Speaking

Credits: 3

Principles and practices of oral communications with selected experiences in their use.

USI Core 39: Foundations-Communication.

This course is part of the Core Transfer Library (CTL).

Indiana Statewide Common Course #: ICM 1103.

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

Term(s) Offered: Fall, Spring, Summer

CMST 107 - Introduction to Interpersonal Communication

Credits: 3

Increases understanding of oneself, the many roles one plays in the communication process, and the interpersonal relationships of individuals in society. Course includes nonverbal communication, the role of language in structuring interpersonal situations, and the importance of dialogue in resolving interpersonal conflicts.

USI Core 39: Foundations-Communication.

This course is part of the Core Transfer Library (CTL).

Indiana Statewide Common Course #: ICM 1101.

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

Term(s) Offered: Fall, Spring, Summer

CMST 201 - Introduction to Communication Studies

Credits: 3

This course is designed to introduce students to the academic discipline of Communication Studies. For decades, Communication Studies has been mistaken as a discipline that focuses solely on presentational speaking, speechmaking, and public address. However, these elements within CMST represent only a small fraction of the discipline. This course will be an exploration of all the major areas of the field, the history of CMST as a discipline, the research and writing style associated with CMST, the practical and theoretical tools expected of CMST graduates, and the many careers CMST graduates can explore.

Term(s) Offered: Spring

CMST 203 - Introduction to Performance Studies

Credits: 3

This course will serve two purposes. First, operating on the theory that literature is best understood and appreciated when performed, this course is designed to give students experience performing and analyzing literature. In addition, this course will introduce the many ways we experience performance in our everyday lives.

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

Term(s) Offered: Fall

CMST 204 - Business and Professional Communication

Credits: 3

A study of the theory and principles involved in oral communication situations in the business and professional context. Students will present speeches, participate in interviews, and learn to work in teams. Special attention will be given to the use of computer-mediated communication in each of these units.

Term(s) Offered: Spring

CMST 214 - Group and Team Communication

Credits: 3

Introduces students to the basics of group and team communication. Students learn about the dynamics of group interaction with emphasis on leadership, decision making, and group preparation. Students will be exposed to a variety of group types, including standing committees, ad hoc groups, task forces, special interest groups, and administrative groups.

Term(s) Offered: Fall

CMST 301 - Communication Criticism and Analysis

Credits: 3

The purpose of this course is to familiarize students with basic techniques of planning, conducting, and reporting qualitative human communication research. Focusing on communication criticism as well as ethnographic study, the course will introduce students to methods and theories that can enhance the understanding of most types of communication, including public address, media events, popular culture, organizational interaction, family conversation, cultural artifacts, or social interaction.

Prerequisite(s): CMST 201 (grade of C or better) and junior standing.

Term(s) Offered: Fall

CMST 303 - Introduction to Persuasion

Credits: 3

This course focuses on our dual roles as producers and consumers of persuasive messages. Students will examine persuasion in a variety of texts and contexts, as well as examine persuasive elements in human interaction and behavior. In addition to learning about the roles logic, credibility, emotion, and cultural tradition play in persuasion, students will learn strategies for constructing effective and ethical persuasive messages.

Prerequisite(s): CMST 201 (grade of C or better) and junior standing.

Term(s) Offered: Spring

CMST 308 - Rhetoric and Diversity

Credits: 3

Students will produce and deliver effective rhetorical messages, actively applying both traditional and more modern rhetorical strategies. The course will begin by studying traditional (e.g., primarily male and Western) notions of rhetoric, argument, and evidence. The focus will then shift to more recent notions of what "rhetoric" can be, particularly by studying rhetorical strategies.

USI Core 39: Embedded Experience-Diversity.

Prerequisite(s): CMST 301 (grade of C or better) and junior standing.

Term(s) Offered: Spring

CMST 313 - Advanced Performance Studies

Credits: 3

Advanced topics in individual performance as a method of textual study, theory, and practice in individual performance as an aesthetic event and rhetorical and social act.

Prerequisite(s): CMST 203 (grade of C or better) or consent of instructor.

CMST 314 - Organizational Communication

Credits: 3

A review of the research and theoretical approaches to organizational communication. This course includes an examination of the process of selecting appropriate communication channels, a consideration of the ways in which meaning, both verbal and nonverbal, is conveyed, and an exploration of ways in which communication can help to alleviate typical interpersonal problems within organizations.

Prerequisite(s): CMST 204 (grade of C or better) and junior standing.

Term(s) Offered: Fall

CMST 315 - Readers Theatre

Credits: 3

This course will focus upon a variety of forms of Readers Theatre. Experiences will be provided in adapting selections for Readers Theatre and creating original scripts. Students will study techniques of both directing and performing Readers Theatre productions.

Prerequisite(s): CMST 203 (grade of C or better) or consent of instructor.

CMST 317 - Intercultural Communication

Credits: 3

This exploration of cross-cultural communication surveys intercultural theories and problems in communication. It offers a general orientation to intercultural communication, theorizes intercultural transactions, and provides insight into cultural differences.

USI Core 39: Embedded Experience-Diversity.

Prerequisite(s): CMST 107 (grade of C or better) or consent of instructor and junior standing.

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

Term(s) Offered: Spring, Summer

CMST 318 - Conflict, Mediation and Negotiation

Credits: 3

This skills-based service learning course will examine conflict, mediation, and negotiation systems in organizations and other personal contexts. It will focus on interpersonal and organizational factors leading to conflict as well as communicatively competent strategies to manage conflict. The course will provide knowledge and skills related to mediating disputes and negotiating agreements.

Prerequisite(s): CMST 204 (grade of C or better) and junior standing.

Term(s) Offered: Fall

CMST 400 - Independent Study in Communication Studies

Credits: 1-3

This course is designed to provide an opportunity for upper division communications majors and minors to research subject areas in the discipline. A maximum of six hours may be taken; only three may be taken in any one semester. Students who wish to take independent study courses in the Communication Studies curriculum should be aware of the following points: 1) Only six hours of independent study may apply toward a major in communications; 2) No more than three hours of CMST 400 may be directed by the same instructor; 3) Students wishing to enroll in independent study courses must receive written permission from their instructors prior to registration.

Prerequisite(s): 21 hours of Communications Studies courses, upper division status, and written consent of instructor.

Term(s) Offered: Fall, Spring, Summer

CMST 402 - Gender, Communication, and Culture

Credits: 3

This course combines cognitive and experimental approaches to gender and culture as they relate to communication. Students will obtain a critical understanding of gender construction and behavior, as well as learn about gendered conflict, identity, relationships, and differences.

Prerequisite(s): junior or senior standing.

Term(s) Offered: Fall

CMST 407 - Communication and Healthcare

Credits: 3

In this course, students will be introduced to the many ways that we, as human beings, communicate about our health. This seminar has been designed to integrate numerous theoretical and methodological perspectives on health communication in order to give students a broader scope of how health messages and health communication processes are enacted, mediated, conceptualized, and studied. In this course, students will read and analyze how we communicate health messages interpersonally, organizationally, rhetorically, and through the mass media. Furthermore, through studying diverse health communication processes, students should become more aware of how these processes influence and impact each other (e.g., television messages about smoking impact how people discuss tobacco use interpersonally).

Prerequisite(s): CMST 107 (grade of C or better) and junior standing.

Term(s) Offered: Fall

CMST 410 - Seminar in Interpersonal Communication

Credits: 3

The special topics course will offer students the opportunity to examine more closely specialized topics in interpersonal communication. Topics may include areas such as family communication, health communication, relational maintenance, or dialogic communication. Students may repeat this course provided the topic is different. Only six hours may apply toward the communication studies major.

Prerequisite(s): CMST 107 (grade of C or better).

Term(s) Offered: Fall

CMST 414 - Oral Traditions

Credits: 3

This course examines the dynamics of orality, literacy, and tele-literacy to better understand the role oral literacy has played in personal and social expression. Students will examine topics including verbal performance, oral poetry, oral history, folk tales, folk songs, and urban legends.

Prerequisite(s): junior or senior standing.

Term(s) Offered: Fall

CMST 420 - Seminar in Organizational Communication

Credits: 3

This course will offer the students the opportunity to examine more closely specialized issues in organizational research, theory, and application. Topics will vary each semester and may include areas such as values and leadership, organizational advocacy, communication training and development, or organizational culture.

Prerequisite(s): CMST 204 (grade of C or better) and junior standing.

Repeatability: Students may repeat this course provided the topic is different. Only six hours may apply toward the major in communication studies.

Term(s) Offered: Fall

CMST 427 - Family Communication

Credits: 3

This course is designed to enable students to think critically about the communication processes that comprise and define families. In this course, students will be exposed to the numerous methodological and theoretical perspectives taken by contemporary family communication scholars. Moreover, in this course students will learn how to distinguish family communication research from other kinds of scholarship (i.e., family sociology or interpersonal communication) and how to better apply family communication theories and research to their own lives.

Prerequisite(s): CMST 107 (grade of C or better) and junior standing.

Term(s) Offered: Spring

CMST 430 - Seminar in Rhetoric

Credits: 3

This special topics course will offer students the opportunity to examine more closely specialized topics related to the psychological, sociological, or cultural dimensions of persuasion and social influence.

Prerequisite(s): CMST 301 (grade of C or better) and junior standing.

Repeatability: Students may repeat this course provided the topic is different. Only six hours may apply toward the communication studies major.

Term(s) Offered: Spring

CMST 489 - Internship in Communication Studies

Credits: 1-3

Offers students job experience in the discipline through a minimum of 50 hours of supervised professional work per credit hour.

Prerequisite(s): junior standing and consent of instructor.

Repeatability: repeatable to a maximum of 3 hours.

Term(s) Offered: Fall, Spring, Summer

CMST 499 - Special Topics in Communication Studies

Credits: 3

Topics will vary. Purpose of course is to cover topics which are not specific courses in the curriculum.

Prerequisite(s): junior standing.

Repeatability: Students may repeat this course provided the topic is different. Only six hours may apply toward the Communication Studies major.

COMM 190 - Computer Basics

Credits: 1

An introduction to basic computer usage and programs designed around common computer tasks and programs, such as document/page design, photograph manipulation, and graphic design.

Repeatability: Course can be repeated three times when students take course with different tasks and programs.

Term(s) Offered: Fall, Spring

COMM 192 - Introduction to Mass Communication

Credits: 3

Presentation, lectures, and assignments designed to introduce students to the basic concepts of mass communication; to foster an understanding of the roles and functions of communication media in our society; to present concepts and principles of journalism (oral and written); and to prepare students to be intelligent users of media.

This course is part of the Core Transfer Library (CTL).

Indiana Statewide Common Course #: ICM 1102.

Term(s) Offered: Fall, Spring, Summer

COMM 299 - Special Topics in Communications

Credits: 3

Topics will vary. Purpose of course is to cover topics which are not specific courses in the curriculum.

Repeatability: Course may be repeated once if the topic is different from the one previously taken.

COMM 477 - Comparative Structures of Mass Media in a Global Community

Credits: 3

This course examines the history and future of international communications and issues related to mass media in a global community, including ethnic and cultural diversity, media systems, the role of media, freedom of the press, parity between distribution of news and shaping the public mind, international stereotyping, and international propaganda.

Prerequisite(s): junior standing or consent of instructor.

COMM 486 - Diversity in Mass Media

Credits: 3

This course presents issues of diversity in mass media including implications of media stereotyping and other media effects related to portrayals of diversity. The course also examines diversity representation in positions of management and leadership in media outlets that influence editorial decision-making.

Prerequisite(s): Junior/senior standing.

COMM 487 - Independent Project

Credits: 1

Capstone course for Professional Certification students. Working under the direction of the Scripps Howard Center for Media Studies, students research, design and fulfill a learning contract to pursue their particular interests within the certification field. The contract may include formal training outside the program, independent research or study, and/or experiential learning. SERVICE LEARNING course.

Prerequisite(s): consent of instructor.

Grading: Pass/Fail.

COMM 494 - Mass Communication Law and Ethics

Credits: 3

A study of the special laws of libel, First Amendment problems, free press vs. fair trial, copyright, the Internet, ethical issues, and regulatory provisions that pertain to mass media.

Prerequisite(s): junior standing.

Term(s) Offered: Fall, Spring, Summer

COMM 495 - Mass Communication Research

Credits: 3

Theories and applications of research methods for the mass media including survey design, basic statistical procedures, sampling, and the reporting of data.

Prerequisite(s): junior or senior standing.

Term(s) Offered: Fall, Spring

COMM 497 - Career Planning and Professional Development

Credits: 1

This course is designed to prepare the student for transition from college to the job market by examining career options, job search preparation, ethics in professional practice, and leadership skills and development related to decision making.

Prerequisite(s): PRA, JRN, or RTV major or minor and senior standing or consent of instructor.

Term(s) Offered: Fall, Spring

CIS 111 - Introduction to Computer Information Systems

Credits: 3

An introduction and overview of the important role computer information systems play in modern businesses and organizations. In addition, the many aspects of computer information systems such as history, hardware, operating systems, applications software, networks, systems integration, programming logic, and digital thinking are discussed. This class will take advantage of laboratory assignments that will give students "hands-on" experience and thus allow them to become comfortable with the many topics discussed.

Term(s) Offered: Fall, Spring

CIS 141 - Computer Skills for Non-Business Majors

Credits: 3

Introduction to Windows and Microsoft Word, Excel, and PowerPoint skills for college survival.

Term(s) Offered: Fall, Spring

CIS 151 - Computer Applications in Business

Credits: 3

Survey of business computer applications emphasizing microcomputers and applications software packages to business. Included are applications with word processing, spreadsheets, presentation programs, file and database management systems, and other software packages used in business.

This course is part of the Core Transfer Library (CTL).

Indiana Statewide Common Course #: IPS 1740.

Term(s) Offered: Fall, Spring, Summer

CIS 261 - Advanced Microcomputer Applications

Credits: 3

A continuation of the development of microcomputer applications and problem-solving skills. Provides a basic review of the Windows interface and file management features; explores advanced spreadsheet and database concepts; and provides an introduction to presentation software, the Internet, and integration across word processing, spreadsheet, and database applications.

Prerequisite(s): CIS 151 or equivalent.

Term(s) Offered: Fall, Spring, Summer

CIS 276 - Introduction to Enterprise Web Development

Credits: 3

This course provides an introduction to the socio-behavioral impact of the Internet and the www, and shows how this drives development of web site solutions for effective business use. This is accomplished through a multifaceted approach consisting of theory in graphics, technical writing, and information technology solutions.

Term(s) Offered: Fall

CIS 305 - Management Information Systems

Credits: 3

An introduction to management information systems. Fundamental concepts of information are explained and integrated into organizational structures. Basic system modeling tools and techniques are introduced. The importance of the computer and information are emphasized. The use of information as an organizational resource is studied. The strategic use of information technology in an organization to gain a competitive advantage will be emphasized throughout the course.

Prerequisite(s): CIS 151, ACCT 201 and ACCT 202*, ECON 208 and ECON 209*, and junior standing. (Courses marked * may be taken concurrently with CIS 305.)

Term(s) Offered: Fall, Spring

CIS 335 - Seminar in Information Systems

Credits: 3

The Seminar in Information Systems enables faculty to offer students in the CIS Management track the opportunity to study contemporary issues in management information systems not covered in depth in other departmental courses. Specific topic, method of presentation and student requirements will be designated by the seminar leader.

Prerequisite(s): CIS 305.

Term(s) Offered: Fall

CIS 345 - Information Systems Security and Risk Management

Credits: 3

An intermediate level course providing in-depth coverage of the motivations, architectures, and implementations of security-related policies, technologies, and practices to better protect information systems against possible threat.

Prerequisite(s): CIS 305

Term(s) Offered: Spring

CIS 361 - Using VBA

Credits: 3

An introduction to Visual Basic for Applications (VBA), which is the foundation for exploiting the full potential of applications such as Microsoft Word, Excel, and Access. Course topics will include techniques to automate repetitive tasks, principals of design that provide criteria for creating interfaces that effect correct results as well as stimulate user interest, interactive objects, and structured programming techniques.

Prerequisite(s): CIS 261.

CIS 367 - Data Communications

Credits: 3

This course is designed to give the student a thorough understanding of the existing use of data communication networks as well as future developments in the area of telecommunications. The course topics will include the basic hardware needed for a functioning network, basic technical concepts of data communications, the various types of network configurations, and circuits. Also needed will be network design techniques, protocols, software, network architecture, local area networks, network management, and security and control issues related to networks.

Prerequisite(s): CIS 305 and junior standing.

Term(s) Offered: Fall, Spring

CIS 375 - Systems Analysis and Design

Credits: 3

This course is an in-depth study of the business information system development life cycle, emphasizing the investigation, systems analysis, and logical design phases. Analysis and design techniques are presented which are used to develop computer-based systems. Analysis and design of a variety of business information systems are covered and CASE technology is introduced.

Prerequisite(s): ACCT 201, CIS 305, and junior standing. (A programming language is recommended.)

Term(s) Offered: Fall, Spring

CIS 376 - Programming for Enterprise Web Development

Credits: 3

An intermediate course in the web development curriculum focusing on specific technical skills. Concentration for this course will be on HTML, XHTML, CSS, and Javascript though supplementary topics on client side web page design will be covered.

Prerequisite(s): CIS 276

Term(s) Offered: Spring

CIS 377 - Introduction to Database Concepts

Credits: 3

Introduction to database theory. Discussion of data structures, indexed and direct file organizations, models of data including hierarchical, network, and relational. Discussion of data analysis, design, implementation, and database administrator functions. Application of database, data definition languages, data manipulation languages, and/or data manipulation through a host language.

Prerequisite(s): CIS 261

Cross-Listed: Dual listing as CS 377.

Term(s) Offered: Fall, Spring

CIS 385 - Enterprise Resource Planning

Credits: 3

The broad objectives of this courses are to give a foundation in core concepts related to ERP and its core components, critique the implications of ERP for organizational functioning, evaluate the issues related to ERP implementation, and demonstrate teamwork and decision-making skills.

CIS 454 - Managing Information Technology

Credits: 3

An introduction to the financial, technical, and strategic information systems planning process. Emphasis is on the relationship of the information systems planning process to overall business goals, policies, plans, management style, and industry conditions. The selection of large system projects, assessment of a currently installed system, determining approaches to staffing, software, hardware, processing, and financing an information system are studied.

Prerequisite(s): CIS 305.

Term(s) Offered: Fall

CIS 476 - Advanced Enterprise Web Development

Credits: 3

This course is an advanced study of enterprise web development focused on server side programming concepts and applications required to support the typical business environment in the Internet age. Information needs of the typical business will be examined, along with ways of providing this information through the use of Internet applications. Selected web development tools will be used to illustrate the necessary programming techniques, database connectivity, and utilization required to provide the desired results. Lab assignments will be used to master programming language, database systems, and problem solving skills.

Prerequisite(s): CIS 376 and CIS 377

Term(s) Offered: Fall

CIS 477 - Applied Software Development Project

Credits: 3

Application of computer programming and system development concepts, principles, and practices to a comprehensive system development project. A team approach is used to analyze, design, document, and implement realistic systems of moderate complexity. Use of project management methods, project scheduling and control techniques, formal presentations, and group dynamics in the solution of informal systems problems.

Prerequisite(s): CIS 305, CIS 375, CIS 377, and an advanced programming language. Senior standing.

Term(s) Offered: Fall, Spring

CIS 487 - Special Topics in CIS

Credits: 3

Analysis and study of special topics in computer information systems. Focus is on new developments in information management, hardware and software, ethical issues, and other selected topics.

Prerequisite(s): CIS 305 and senior standing.

CS 101 - Fundamentals of Computer Science

Credits: 3

A first course intended for both major and non-major novice computer users that introduces computers and computing. Topics include computer hardware, software, mathematical fundamentals (such as boolean algebra, combinatorics, and number theory), problem-solving concepts, programming techniques, history of computing, career opportunities and the impacts of computing on society. Students will use a computer lab to produce small programs in a high-level programming language.

CS 201 - Introduction to Object-Oriented Programming Using Java

Credits: 3

Introduces the fundamental concepts of programming from an object oriented perspective. Through the study of object design, this course introduces data abstraction, inheritance, overriding, programming flow of control, operator precedence, and simple data structures such as lists and arrays. This course also introduces the basics of human-computer interfaces, graphics, and the social implications of computing, along with significant coverage of software engineering.

CS 215 - Discrete Structures for Computer Science

Credits: 3

Offers an intensive introduction to discrete mathematics as it is used in Computer Science. Topics include functions, relations, sets, propositional and predicate logic, simple circuit logic, proof techniques, elementary combinators, and discrete probability.

Term(s) Offered: Fall, Spring

CS 258 - Introduction to Object-Oriented Programming Using C#

Credits: 3

Introduction to C# with a focus on object-oriented programming techniques. In addition, the language syntax, data types, methods, functions, and procedures necessary to write C# programs will be covered. The language will be introduced using console examples and will migrate to Windows examples during the course of the semester. Laboratory exercises will be assigned that represent common business problems for which the language is best suited.

Term(s) Offered: Fall, Spring

CS 276 - COBOL Programming I

Credits: 3

An introduction to the COBOL programming language. A structured approach is used to demonstrate the use of COBOL language in managing corporate information. Includes structured design of programs, control break processing, debugging techniques, table processing, and sequential file processing.

Term(s) Offered: Fall

CS 301 - Advanced Object-Oriented Programming Using Java

Credits: 3

Continues the introduction to object-oriented programming begun in CS 201, with an emphasis on algorithms, data structures, string processing, internal searching and sorting, software engineering, and the social context of computing.

Prerequisite(s): CS 201.

CS 311 - Algorithm Design and Analysis

Credits: 3

Introduces formal techniques to support the design and analysis of algorithms, focusing on both the underlying mathematical theory and practical considerations of efficiency.

Prerequisite(s): CS 201, CS 215, CS 301.

Term(s) Offered: Fall

CS 321 - Architecture of Digital Computers

Credits: 3

An introduction to the internal structure of digital computers. The design of gates, flip-flops, registers, and memories to perform operations on numerical and other data represented in binary form.

Prerequisite(s): ECE 241.

Term(s) Offered: Spring

CS 358 - Advanced Object-Oriented Programming Using C#

Credits: 3

Advanced study of the C# programming language, emphasizing object oriented techniques applied to complex business information needs. In addition, the course will deal extensively with database connectivity and utilization. The course will start with Windows examples and will migrate to Web examples during the course of the semester. Laboratory exercises will be assigned that represent common business problems for which the language is best suited.

Prerequisite(s): CS 258.

Term(s) Offered: Fall, Spring

CS 365 - Operating Systems

Credits: 3

The course includes the fundamental principles of operating systems, resource allocation and use by applications, device organization, interrupts, concurrency, user/system state, and protection. It develops each of these areas in greater depth: scheduling and dispatch, preemptive and non-preemptive scheduling, processes and threads, file systems, buffering, encryption, virtual memory, paging, swapping, security, protection, and related topics. Both Microsoft and Unix systems will be covered.

Prerequisite(s): CS 201, CS 215, CS 301, CS 311.

Term(s) Offered: Fall

CS 376 - COBOL Programming II

Credits: 3

Sequential and random file processing, table handling, sorting, merging, sub-program, and error handling.

Prerequisite(s): CS 276 or consent of instructor.

Term(s) Offered: Spring

CS 377 - Introduction to Database Concepts

Credits: 3

Introduction to database theory. Discussion of data structures, indexed and direct file organizations, models of data including hierarchical, network, and relational. Discussion of data analysis, design, implementation, and database administrator functions. Application of database, data definition languages, data manipulation languages, and/or data manipulation through a host language.

Prerequisite(s): a program language, e.g., Visual Basic, Java, C#, etc.

Cross-Listed: Cross-listed as CIS 377.

CS 379 - Programming Languages

Credits: 3

Introduction to formal study of syntax semantics and the logic of programming languages. Features of prominent languages will be examined.

Prerequisite(s): CS 201, CS 215, CS 301, and CS 311.

Term(s) Offered: Fall

CS 411 - Network Management and Security

Credits: 3

This course provides an overview of network management and security. It covers topics in communication technologies, communication design, communication protocols, and communication system planning and development. It includes distributed computing, encryption technology, and collaboration technology. It will introduce security sites representing the state of the art in security. It will cover major security concerns of IP security, network security, security in distributed object systems, security in distributed systems, Web security, email security, viruses, trojans and worms, firewalls, and denials of service. Hands-on assignments with system and firewall configuration.

Prerequisite(s): CS 201, CS 301, and CS 365.

Term(s) Offered: Spring

CS 421 - Study of Legacy Systems

Credits: 3

An overview of legacy systems that will include the study of operating systems, user interfaces, basic operator commands, flat file architecture, editors, interactive and batch programming concepts, and programming languages. Laboratory exercises will be assigned that emulate common problems encountered in businesses utilizing legacy systems.

Prerequisite(s): CS 301 or CS 358.

Term(s) Offered: Spring

CS 458 - Advanced Programming in C#

Credits: 3

This course is an advanced study of the C# programming language, emphasizing the development of dynamic web pages. The course will cover server side controls, how to access and update data from a data source, how to bind controls to a data source and how to encapsulate visual and programmatic behavior in reusable ASP components. Laboratory exercises will be assigned that represent common business problems for which the language is best suited.

Prerequisite(s): CS 358

Term(s) Offered: Spring

CS 461 - Artificial Intelligence

Credits: 3

Introduces students to the fundamental concepts and techniques of artificial intelligence (AI).

Prerequisite(s): CS 201, CS 215, CS 301.

Term(s) Offered: Spring

CS 478 - Software Development

Credits: 3

Provides an intensive, implementation-oriented introduction to the software-development techniques used to create medium-scale interactive applications.

Prerequisite(s): CS 201, CS 215, and CS 301.

Term(s) Offered: Fall

CS 483 - Senior Software Development Project

Credits: 3

This course applies computer programming and software engineering concepts, principles, and practices to a comprehensive system development project. A team approach is used to analyze the problem, and then specify, design, implement, test, validate, and deliver a software package that solves the problem. Teams will use software engineering techniques and project management techniques, including milestones and formal presentations, to create and test the package solution to the system problem.

Prerequisite(s): CS 201, CS 301, CIS 305, CS 365, CIS 367, CIS 375, and CIS 377 and Senior Standing.

Term(s) Offered: Spring

CS 499 - Projects in Computer Science

Credits: 1-3

Advanced project in mathematics, business, or other area, done under supervision of instructor in area.

Prerequisite(s): six hours upper-division computer science courses.

CRIM 200 - Special Topics in Criminal Justice

Credits: 3

This course allows for the study of selected topics of current interest and importance in criminal justice. These topics will vary in accordance with the interests of students and faculty. Students may repeat the course without limit, as the topic changes.

Prerequisite(s): two of the following CJS courses: CRIM 234, CRIM 244, POLS 208, SOC 225.

CRIM 234 - Introduction to Corrections

Credits: 3

This course will examine the historical, philosophical, and theoretical foundations of the correction systems and organizations.

Topics include but are not limited to sentencing options, treatment of prisoners, prisoner subcultures, prison, life, rehabilitative programming for prisoners, prisoner healthcare, prisoners' rights, community-based corrections, prisoner release and reentry, and the nature of working in and managing prisons.

Prerequisite(s): ENG 101 and CMST 101 or CMST 107.

CRIM 244 - Police & Society

Credits: 3

This course explores how the various law enforcement agencies interact with society. The main topics include the history of law enforcement in the U.S. and other countries, and current issues and controversies in policing.

Prerequisite(s): ENG 101 and CMST 101 or CMST 107.

CRIM 301 - Criminal Justice Administration

Credits: 3

Analysis of the public institutions which determine policy and practice in the administration of the criminal justice system. This will include the legislature, the police, the courts, and correctional systems.

Prerequisite(s): two of the following CJS courses: CRIM 234, CRIM 244, POLS 208, SOC 225.

Term(s) Offered: Spring

CRIM 302 - Criminal Law

Credits: 3

History and development of criminal law as a system of social control; the relationship among criminal laws; and the workings of courts and correctional systems.

Prerequisite(s): two of the following CJS courses: CRIM 234, CRIM 244, POLS 208, SOC 225.

Term(s) Offered: Fall

CRIM 311 - Convict Criminology

Credits: 3

This course introduces the "Convict Criminology Perspective" as a means to educate students, prisoners, and general public. Convict Criminology is a new way of thinking about crime and corrections. Convict criminology is a developing field in critical criminology that "... consists primarily of essays and empirical research conducted and written by convicts or ex-convicts, on their way to completing or already in possession of a Ph.D. or by enlightened academics who critique existing literature, policies, and practices, thus contributing to a new perspective on criminology, criminal justice, corrections, and community corrections"

(Ross and Richards, 2003, p. 6) Students will complete required readings, and develop critical thinking and problem-solving skills through interaction with the professor and other students in the classroom. This course provides students with opportunities to discuss course topics and material both in class and through email.

Prerequisite(s): two of the following CJS courses: CRIM 234, CRIM 244, POLS 208, SOC 225.

CRIM 312 - Organized Crime

Credits: 3

The purpose of this courses it to highlight 1) the social perception, nature, and extent of organized crime; 2) theoretical explanations of organized crime; 3) the business of organized crime; 4) measures being taken to combat organized crime in the U.S. and around the world; 5) differing world perspectives on organized crime.

Prerequisite(s): two of the following CJS courses: CRIM 234, CRIM 244, POLS 208, SOC 225.

CRIM 331 - Gender and Crime

Credits: 3

The focus of this course is on women's experiences as victims of crime, perpetrators of crime, prisoners, and as employees and practitioners working with and within the criminal justice system. It includes a discussion of the feminist criminological perspective as it applies to these aforementioned experiences.

Prerequisite(s): two of the following CJS courses: CRIM 234, CRIM 244, POLS 208, SOC 225.

CRIM 370 - Seminar in Criminal Justice

Credits: 3

An intensive, small-group discussion of recent, provocative books on topics of current interest to criminal justice professionals and criminologists. The seminar format will emphasize critical thinking and discussion.

Prerequisite(s): two of the following CJS courses: CRIM 234, CRIM 244, POLS 208, SOC 225.

Repeatability: Students may take the course more than once as the reading list changes.

CRIM 371 - Criminological Theory

Credits: 3

This course is a survey of the historical and contemporary theoretical explanations that relate to crime, offenders, victims, and the criminal justice system. The major emphases of the course will be the evaluation, assessment, and critical analysis of criminological theory in general and the use of such theories in criminal justice policies.

Prerequisite(s): SOC 225 and 6 hours of Criminal Justice Studies.

CRIM 401 - Probation and Parole

Credits: 3

The processes of probation and parole in the United States in terms of its historical development, philosophy, and standards; attention is focused on the utilization of parole and probation as tools of social control with special emphasis on the implications of the philosophical impact of probation and parole on field practices.

Prerequisite(s): two of the following CJS courses: CRIM 234, CRIM 244, POLS 208, SOC 225.

CRIM 403 - Violence Against Women

Credits: 3

This course will provide an overview of violence directed toward women. Crimes such as intimate partner violence/battering, stalking, rape, human trafficking, sexual assault, and sexual harassment will be analyzed within a broader social context.

Prerequisite(s): junior standing.

CRIM 411 - Criminal Procedure

Credits: 3

This course is an examination of the common law and federal rules of evidence. Topics include but are not limited to the law of searches and seizures, the exclusionary rule, confessions, types of evidence, chain of custody, examination of witnesses, hearsay, and testimony.

Prerequisite(s): two of the following CJS courses: CRIM 234, CRIM 244, POLS 208, SOC 225.

CRIM 412 - Police Discretion

Credits: 3

This course is an in-depth examination of police discretion and the application of coercive power. It includes analyses of the exercise and impact of police discretion on society and the impact that police discretion has on individual police officers, police departments, and societal support for law enforcement.

Prerequisite(s): two of the following CJS courses: CRIM 234, CRIM 244, POLS 208, SOC 225.

CRIM 475 - Criminal Justice Studies Capstone

Credits: 3

Students will successfully demonstrate their ability to apply relevant theory and methods to an empirical research problem and/or question appropriate to the field of criminal justice studies. The application will take the form of a research papers and class presentation.

USI Core 39: Embedded Experience-Writing.

Prerequisite(s): ENG 201 and either SOC 391 and SOC 392 or POLS 232 and POLS 232; senior status.

CRIM 489 - Independent Study in Criminal Justice

Credits: 3

An extensive examination of the main criminal justice/criminology ideas on a specific topic. The major paper is a product of critical reading or advanced research.

Prerequisite(s): nine hours sociology/criminal justice and consent of instructor.

Repeatability: The course may be repeated for up to six credit hours.

CRIM 499 - Internship in Criminal Justice

Credits: 3

An opportunity for work experience in the area of criminal justice. For students interested in graduate school, the internship will involve field research.

Prerequisite(s): nine hours sociology/criminal justice and consent of instructor.

Repeatability: The course may be repeated for up to six credit hours with different placements.

DSCI 351 - Introduction to Operations Research

Credits: 3

This course introduces the student to the discipline of Operations Research/Management Science (OR/MS) so that he/she may appreciate, understand, and utilize the principal techniques of OR/MS in his/her organizational as well as personal decision-making. The course stresses the use of the scientific methodology in decision-making and problem-solving. Specific topics include decision theory, linear programming, the transportation problem, the assignment problem, network models, and queuing theory. Excel and other computer software are used throughout the course.

Prerequisite(s): ECON 265, CIS 151, and MATH 215.

Term(s) Offered: Fall, Spring

DSCI 445 - Operations Management

Credits: 3

This course presents the basic fundamentals of managing operations. It covers issues in selecting, operating, controlling, and updating systems so that goods or services are produced on time, at minimum cost, and according to customer specifications. Topics include forecasting, capacity planning, facility location, inventory management, material requirements planning, Just-in-Time, and total quality management.

Prerequisite(s): MNGT 305, ECON 265, and MATH 215.

Term(s) Offered: Fall, Spring

DTAS 111 - Oral Pathology

Credits: 1

This course focuses on the general pathological conditions of the oral cavity with implications for the dental assistant.

Term(s) Offered: Spring

DTAS 122 - Clinical Science I

Credits: 5

This course introduces the student to chairside dental assisting procedures with an emphasis on instrument identification and care, tray set-ups, transfer of instruments, and the role of the dental assistant in operative procedures. Clinical asepsis is emphasized and microbiological theories of disease and disease transmission are integrated and applied into course content. Includes student application in extramural settings.

Term(s) Offered: Fall

DTAS 156 - Human Systems I

Credits: 3

This course presents the structure and function of body systems, their pathologies and emergencies, along with preventions and treatments.

Term(s) Offered: Fall

DTAS 158 - Practice Management, Ethics, and Jurisprudence

Credits: 3

This course provides comprehensive consideration of dental ethics, jurisprudence, office procedures, and techniques for seeking employment. The student is prepared to assume the role of the business assistant, including receptionist duties, correspondence, computer usage, and management of financial accounts.

Term(s) Offered: Spring

DTAS 166 - Human Systems II

Credits: 3

Structure and function of the remaining body systems, their related pathologies and emergencies, along with preventions and treatments are highlighted in this class. The digestive system with special emphasis on human nutrition and diet therapy is a special content area in human systems II.

Prerequisite(s): Course prerequisites include medical terminology and human systems I or faculty permission.

Term(s) Offered: Spring

DTAS 175 - Preventive Dentistry

Credits: 2

This course surveys dental diseases and provides practical methods of preventing their occurrence, utilizing plaque control, fluoride therapy, dietary control, pit and fissure sealants, and patient education.

Term(s) Offered: Spring

DTAS 181 - Clinical Science II

Credits: 5

This clinical course prepares the student to assume the role of the dental assistant in the private office. Includes extramural clinical rotations.

Term(s) Offered: Spring

DTAS 183 - Clinical Science Applications

Credits: 3

This course introduces the theories and techniques of chairside assisting in the dental specialties. Also includes the manipulation and uses of dental materials and the exposure, processing, and mounting of dental radiographs utilized in the dental specialties.

Term(s) Offered: Spring

DTAS 291 - Expanded Functions Dental Assisting

Credits: 3

This course prepares the student to assume the role of the expanded functions dental assistant in a clinical setting. Restorative

dental procedures utilized in dentistry are presented in this course. Significant emphasis of course content will be placed on correct utilization and placement of dental dam in addition to the application of specific types of dental materials such as amalgam and composite restorations.

Prerequisite(s): DTHY 314

Grading: Pass/No Pass

Term(s) Offered: Spring

DTHY 303 - Oral Radiology

Credits: 3

This course includes principles of radiation physics, exposing, processing, mounting, evaluating, and interpreting dental radiographs. Biological effects of radiation and protective principles, quality assurance protocols, and infection control are emphasized. Emerging imaging technology is addressed.

Prerequisite(s): Admission into the dental hygiene or dental assisting program.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (2-2)

Term(s) Offered: Fall

DTHY 308 - Applied Dental Materials

Credits: 3

This course focuses on the study of the physical, chemical, and biologic properties and uses of dental materials. Identification and manipulation of common dental materials are incorporated in laboratory experiences.

Prerequisite(s): Admission into the dental hygiene or dental assisting program.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (2-2)

Term(s) Offered: Fall

DTHY 313 - Anatomy of the Head and Neck

Credits: 2

This course focuses on anatomical structures of the head and neck, including bones, muscles, glandular tissue, and vascular, nervous, and lymphatic systems. The infectious process and the spread of dental infection are discussed.

Prerequisite(s): Admission into the dental hygiene program.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (2-0)

Term(s) Offered: Spring

DTHY 314 - Oral Anatomy

Credits: 2

This course provides the student with a detailed study of the anatomy of the oral cavity and underlying structures. The eruption, arrangement, function, developmental disturbances, occlusion, and morphological characteristics of both the permanent and deciduous dentitions is presented.

Prerequisite(s): Admission into the dental hygiene or dental assisting program.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (2-0)

Term(s) Offered: Fall

DTHY 315 - Oral Embryology and Histology

Credits: 1

This course provides the student with a detailed study of the embryological and histological formation of the oral-facial structures of the head, neck, oral cavity, and underlying structures.

Prerequisite(s): Admission into the dental hygiene program.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (1-0)

Term(s) Offered: Spring

DTHY 316 - Preventive Oral Health I

Credits: 2

This course emphasizes prevention of dental and periodontal diseases through mechanical dental plaque control, fluoride therapy, pit and fissure sealants, dietary control, and basic principles of client education. The effects of tobacco use on oral health are included. Tobacco cessation strategies and their use in oral health education are presented.

Prerequisite(s): Admission into the dental hygiene program.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (2-0)

Term(s) Offered: Fall

DTHY 318 - Preventive Oral Health II

Credits: 3

This course emphasizes teaching methodology and techniques for individual and group oral health education. Behavior modification strategies, case studies, and the preparation and presentation of an educational program are utilized. The course prepares the student to provide individualized oral health instruction, utilizing effective teaching methodologies, and to participate in educational field work in the community.

Prerequisite(s): DTHY 316 - Preventive Oral Health I.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (3-0)

Term(s) Offered: Spring

DTHY 322 - Periodontology

Credits: 2

This course focuses on periodontal diseases and their relevance for the dental hygienist. A review of the anatomy and structures of the periodontium is included. A thorough analysis and application of the clinical dental hygiene diagnosis is provided. Emphasis is placed on the etiology, systemic correlation, clinical and radiographic assessment, diagnosis and classification, treatment planning, and surgical and non-surgical treatment procedures of periodontal diseases.

Prerequisite(s): DTHY 341 - Dental Hygiene Theory I.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (2-0)

Term(s) Offered: Spring

DTHY 327 - Introduction to Evidence-Based Dental Hygiene Care

Credits: 1

This course will provide foundational knowledge for the dental hygiene student to select and implement evidence-based decision-making strategies in the provision of patient/client care. In addition, it proposes to develop critical thinking and problem solving skills necessary for patient centered care. It includes basic knowledge and skills related to research terminology and design, library and computer-based information retrieval systems, approaches for analysis and evaluation of scientific literature and will provide an introduction to dental indices used in the description of oral health status and disease states.

Prerequisite(s): Admission into the Dental Hygiene Program.

DTHY 341 - Dental Hygiene Theory I

Credits: 4

This course introduces the theory of the dental hygiene process of care, including assessment, diagnosis, planning, implementation, and evaluation. Emphasis is on providing the student with an ethical and scientific foundation to use in applying appropriate infection control procedures, introductory client assessment procedures, and basic instrumentation skills. The use of the dental hygiene diagnosis in developing a care plan is introduced. Current clinic issues are addressed in a one-hour weekly seminar.

Prerequisite(s): Admission into the dental hygiene program.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (3-1 [seminar])

Term(s) Offered: Fall

DTHY 342 - Dental Hygiene Clinic I

Credits: 3

This pre-clinical laboratory experience course presents practicum covering the fundamentals of medical emergencies, infection control procedures, assessment of the dental hygiene client, development of a dental hygiene diagnosis, instrumentation skills, equipment use and maintenance, and basic oral health education.

Prerequisite(s): Admission into the dental hygiene program.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (0-8)

Grading: Pass/No Pass

Term(s) Offered: Fall

DTHY 351 - Dental Hygiene Theory II

Credits: 4

This course explores professional writing, cultural competence, and concepts of evidence based clinical practice. Solutions to oral health care discrepancies in our society are examined. By engaging in interviews, research, case studies, reflection, and inquiry, students will develop a project addressing culturally competent approaches to oral health care. Students demonstrate synthesis of course objectives through a sustained writing project. The use of supportive dental hygiene treatment in providing comprehensive care is introduced. Weekly seminar addresses current clinic issues and trends connecting theory and clinical practice.

USI Core 39: Embedded Experience Diversity; Embedded Experience-Writing.

Prerequisite(s): ENG 201 and DTHY 341.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (3-1 [seminar])

Term(s) Offered: Spring

DTHY 352 - Dental Hygiene Clinic II

Credits: 3

This clinical course introduces the dental hygiene student to providing comprehensive dental hygiene treatment. Application of knowledge in infection control practices, development of care plans, assessment, oral health education, radiography, and fundamentals of instrumentation are implemented in collaboration with advising faculty. Supportive dental technology, equipment and products related to dental hygiene treatment are introduced.

Prerequisite(s): DTHY 342 - Dental Hygiene Clinic I.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (0-8 [clinic])

Grading: Pass/No Pass

Term(s) Offered: Spring

DTHY 401 - Clinical Management I

Credits: 3

This course provides the student with periodontal patient management experiences, focusing on assessment, treatment planning, development of behavior modification strategies, implementation of treatment strategies, maintenance, and evaluation. Treatment experiences are integrated into clinic management activities and oral presentations. Evaluation of patient treatment by associate degree students enrolled in the Dental Hygiene Program is incorporated.

DTHY 402 - Clinical Management II

Credits: 3

This course will utilize a collaborative approach to patient treatment management. The baccalaureate degree student will evaluate periodontal treatment strategies developed and implemented by associate degree students. The student will develop both clinical and classroom instructive skills through individually designed educational experiences.

DTHY 405 - General and Oral Pathology

Credits: 4

This course will combine general and oral pathology found in the human system. Concepts of pathologic physiology included in this course are the inflammatory process, wound healing, and immunology. Emphasis will be placed on the oral/ facial characteristics of systemic disease. Principles of pathology, clinical features, risk factors, etiology, locations, and treatment options are presented.

Prerequisite(s): DTHY 322 - Periodontology.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (4-0)

Term(s) Offered: Fall

DTHY 411 - Community Oral Health Theory

Credits: 1

This course is designed to provide concepts and principles related to the practice of community oral health. Prevention, access to care, providers of dental services, financing dental care, and quality assurance are discussed. The dental hygienist's role in developing community oral health programs is an integral component. The significance of oral health measures for all members of society is addressed.

Prerequisite(s): DTHY 318 - Preventive Oral Health II.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (1-0)

Term(s) Offered: Fall

DTHY 412 - Community Oral Health Practicum

Credits: 2

In this course the dental hygiene student will develop oral health education programs for diverse populations utilizing the dental hygiene process of care paradigm of assessment, planning, implementation, and evaluation. Field experiences will take place in community schools, extended care facilities, outpatient treatment facilities, and acute care facilities.

Prerequisite(s): DTHY 411 - Community Oral Health Theory.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (4-1 [field experience])

Term(s) Offered: Spring

DTHY 422 - Clinical Application of Periodontology

Credits: 1

This clinical course focuses on providing non-surgical periodontal treatment for clients with moderate to advanced periodontal disease. Emphasis is placed on collecting and evaluating assessment data, treatment planning, providing oral health education and nutritional counseling, providing periodontal treatment, and performing post-operative evaluation. Periodontal Case Client presentations are developed from clinical experiences.

Prerequisite(s): DTHY 322 - Periodontology (grade of C or better).

Grading: Pass/No Pass

Term(s) Offered: Fall

DTHY 423 - Pain Management in Dentistry

Credits: 2

This course addresses coverage of pain and anxiety management for conscious dental clients. The indications, contraindications, and pharmacology of local anesthesia and nitrous oxide and oxygen sedation used in dentistry will be discussed. Local anesthesia techniques and the administration of nitrous oxide and oxygen sedation will be studied. Students will be introduced to general anesthesia, parenteral sedation, and anti-anxiety medications. Administration of local anesthesia techniques will be performed.

Prerequisite(s): DTHY 313 - Anatomy of the Head and Neck.

Term(s) Offered: Fall

DTHY 441 - Dental Hygiene Theory III

Credits: 4

This course addresses the care and clinical management of special needs clients who present with conditions/diseases of significance to dental hygiene care. Included is discussion of the pathophysiology, etiology, psychosocial, physical, and oral characteristics, potential emergencies, and the related dental hygiene process of care associated with these conditions/diseases. Current clinic issues are addressed in a one hour weekly seminar.

Prerequisite(s): DTHY 351 - Dental Hygiene Theory II.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (3 hours lecture, 1 hour seminar)

Term(s) Offered: Fall

DTHY 442 - Dental Hygiene Clinic III

Credits: 5

This clinical course focuses on the dental hygiene student building on prior experience in providing comprehensive dental hygiene treatment. Increased opportunity for treating clients with moderate to severe periodontal disease as well as those with

complex medical and pharmacological histories is introduced. Students gain experience in applying advanced strategies in assessment, care planning, oral health education, and instrumentation. Student directed judgment and relating theory to the clinical component of dental hygiene education are emphasized.

Prerequisite(s): DTHY 352 - Dental Hygiene Clinic II.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (16 [clinic])

Grading: Pass/No Pass

Term(s) Offered: Fall

DTHY 451 - Dental Hygiene Theory IV

Credits: 4

The intent of this course is to provide students with a systematic approach to board preparation and dental hygiene curricula review. Information presented in this course will assist senior dental hygiene students in preparing for credentialing examinations and other procedures required for obtaining a dental hygiene license. Specific guidance is offered to students who are preparing for the National Dental Hygiene Board Examination and the Northeast Regional Board Examination. Indiana laws related to dental and dental hygiene practice are studied in detail. Current clinic issues are addressed in a one hour weekly seminar.

Prerequisite(s): DTHY 441 - Dental Hygiene Theory III.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): Three hours lecture, one hour seminar.

Term(s) Offered: Spring

DTHY 452 - Dental Hygiene Clinic IV

Credits: 5

This clinical course challenges the dental hygiene student to work ethically, professionally, and independently in providing comprehensive dental hygiene treatment for clients in all stages of periodontal health with increased concentration on treating clients with moderate to severe periodontal disease. Dental hygiene treatment based on current scientific theories, research, and standard of care is expected. Meeting the individual needs of clients utilizing problem-solving strategies, critical thinking skills, and good communication is emphasized.

Prerequisite(s): DTHY 442 - Dental Hygiene Clinic III.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (16 [clinic])

Grading: Pass/No Pass

Term(s) Offered: Spring

DTHY 457 - Professional and Current Issues in Oral Healthcare

Credits: 3

This course presents professional oral healthcare topics from a historical, economic, legal/ethical, global, political, social, interdisciplinary, and multicultural framework. Students will investigate current issues in oral healthcare and examine ethical and legal concerns in the practice of dental hygiene, and explore the accelerating need for access to care for all population groups. Students will develop evidence-based solutions which could be used to influence organizational, institutional, and governmental decisions impacting oral health care. In addition, discussions and exploration of current dental hygiene practice will be included

to prepare the student for transition into the profession.

USI Core 39: Embedded Experience-Global; Embedded Experience-Writing.

Prerequisite(s): ENG 201 and DTHY 351 (grade of C or better).

Term(s) Offered: Spring

DMS 301 - Patient Care for Imaging Sciences Professionals

Credits: 2

This course provides basic concepts of nursing procedures in order to maintain continuous, smoothly integrated patient care with due regard to necessary diagnostic and therapeutic techniques. The topics of the course include the healthcare team; attitudes and communication in patient care; patient interactions; psychological considerations; interactions with the patient; patient safety; transferring techniques; trauma and reactions to contrast agents; patient tubes, lines, and catheters; care of patients during and following special procedures; and patient care during mobile or surgical procedures. The role of the radiologic and imaging science professional in patient education will be identified.

Prerequisite(s): acceptance into the Radiologic Technology or DMS program.

Term(s) Offered: Spring

DMS 312 - Introduction to DMS Principles and Procedures

Credits: 2

This course provides the beginning sonography student with a thorough understanding of the ultrasound department, key terms and definitions pertaining to the field of diagnostic sonography, important laboratory values, and surgical procedures. Students will gain a beginning understanding of the value of diagnostic medical sonography in a healthcare setting, survey the role of sonographers in a variety of settings, recognize national and state credentialing requirements, identify sonography association functions at all levels, and recognize ARDMS standards, ethics, and policies and their effects on practicing sonographers' conduct and patient treatment.

Prerequisite(s): DMS 301 or consent of the instructor.

Term(s) Offered: Spring

DMS 313 - Sonographic Sectional Anatomy

Credits: 2

This course provides the student with a basic knowledge of cross-sectional abdominal and pelvic sonography. Students will gain a beginning understanding of sonographic sectional anatomy in the transverse, longitudinal, and coronal planes. Emphasis is placed on the sonographic appearance of abdominal and pelvic organs and vessels and their anatomical relationship to each other.

Prerequisite(s): acceptance into DMS program or consent of the instructor.

Term(s) Offered: Spring

DMS 315 - Abdominal Procedures

Credits: 3

This course provides the student with a study of the clinical applications within the specialty of abdominal sonography. Emphasis is placed on the correct use of all technical and medical terms that are necessary for a complete discussion of sonographic procedures within the abdomen, related clinical symptoms and laboratory tests, normal vs. abnormal sonographic patterns of the anatomy studied, related disease processes, and sonographic protocol for each of the exams covered in the course.

Prerequisite(s): DMS 301 or consent of the instructor.

Term(s) Offered: Summer

DMS 316 - Sonographic Lab Practice I

Credits: 3

This course provides the student with an introduction to the sonography clinical environment through campus laboratory practice. Students will gain an understanding of the daily activities within an ultrasound department, necessary skills to properly operate diagnostic ultrasound equipment, and proper patient care for sonography exams. Emphasis is placed on the application of skills studied in DMS 315 - Abdominal Procedures. The student will achieve an understanding of clinical and practical experience in support of classroom studies.

Prerequisite(s): DMS 301 or consent of the instructor.

Term(s) Offered: Summer

DMS 321 - Sonographic Physics and Instrumentation I

Credits: 3

This course provides the student with an introductory study of sonographic physics and instrumentation within the practice of general diagnostic medical sonography. Emphasis is placed on the principles of ultrasound and its propagation through tissues, construction of the ultrasound transducer, and the various types of continuous wave and pulse echo imaging modalities.

Prerequisite(s): DMS 312 or consent of the instructor.

Term(s) Offered: Fall

DMS 323 - Obstetric Procedures

Credits: 3

This course provides the student with a study of the clinical applications within the specialty of obstetric sonography. Emphasis is placed on the correct use of all technical and medical terms that are necessary for a complete discussion of sonographic procedures within the field of obstetrics. Topics include the related clinical symptoms and laboratory tests used in obstetrics, fetal embryology, normal vs. abnormal sonographic patterns of fetal anatomy, related maternal and fetal disease processes, fetal anomalies and their sonographic appearance, and sonographic protocol for each of the registry exams covered in the course.

Prerequisite(s): DMS 312 or consent of the instructor.

Term(s) Offered: Fall

DMS 324 - Gynecology Procedures

Credits: 3

This course provides the student with a study of the clinical applications within the specialty of gynecologic sonography. Emphasis is placed on the correct use of all technical and medical terms that are necessary for a complete discussion of sonographic procedures within the field of gynecology. Topics will include the related clinical symptoms and laboratory tests, embryology of the female reproductive and genitourinary systems, female reproductive anomalies and their sonographic appearance, normal vs. abnormal sonographic patterns of female anatomy, related disease processes and their sonographic appearance, and sonographic protocol for each of the registry exams covered in the course.

Prerequisite(s): DMS 312 or consent of the instructor.

Term(s) Offered: Fall

DMS 326 - Sonographic Lab Practice II

Credits: 2

This course provides the student with continued preparation in the sonography clinical environment through campus laboratory practice. Students will continue to build on skills introduced in DMS 316 by gaining an understanding of the daily activities within an ultrasound department, necessary skills needed to properly operate diagnostic ultrasound equipment, and proper patient care for sonography exams. Emphasis is placed on the application of skills studied in DMS 323 - Obstetric Procedures and DMS 324 - Gynecology Procedures. The student will achieve an understanding of clinical and practical experience in support of classroom studies.

Prerequisite(s): DMS 316 or consent of the instructor.

Term(s) Offered: Fall

DMS 327 - Clinical Practice I-General

Credits: 3

This course provides supervised clinical education allowing students to apply knowledge and essential skills of diagnostic medical sonography. Emphasis is placed on the application of skills studied in DMS 315 - Abdominal Procedures and DMS 316 - Sonographic Lab Practice I.

Prerequisite(s): DMS 315 or consent of the instructor.

Term(s) Offered: Fall

DMS 331 - Sonographic Physics and Instrumentation II

Credits: 3

This course provides the student with an advanced study of sonographic physics and instrumentation within the practice of general diagnostic medical sonography. Emphasis is placed on the principles of continuous wave and Doppler ultrasound, image artifacts, system operation and display, and biological effects of medical sonography.

Prerequisite(s): DMS 321 or consent of the instructor.

Term(s) Offered: Spring

DMS 332 - Small Parts, Neurosonography, and Specialty Exams

Credits: 3

This course provides the student with a study of the clinical applications within the areas of small parts, neurosonography, and specialty exams performed in diagnostic medical sonography. Emphasis is placed on the correct use of all technical and medical terms that are necessary for a complete discussion of sonographic procedures, related clinical symptoms and laboratory tests, normal vs. abnormal sonographic patterns of the anatomy studied, related disease processes, and sonographic protocol for each of the exams covered in the course.

Prerequisite(s): DMS 327 or consent of the instructor.

Term(s) Offered: Spring

DMS 333 - Critique, Clinical Correlation, & Case Analysis

Credits: 3

This course provides the student with advanced discussions and critical reviews of abdominal, obstetric, and gynecologic ultrasound. The course will culminate with the synthesis of a written draft of a clinical pathology research analysis article. Emphasis is placed on utilizing research to correlate underlying pathophysiology with its sonographic presentation, related diagnostic procedures, and the role of ultrasound in the medical diagnostic process.

USI Core 39: Embedded Experience-Writing.

Prerequisite(s): ENG 201 and DMS 327 or consent of the instructor.

Term(s) Offered: Spring

DMS 337 - Clinical Practice II-General

Credits: 4

This course is a continuation of supervised clinical education. Emphasis is placed on the application of skills studied in DMS 323 - Obstetric Procedures, DMS 324 - Gynecology Procedures, and DMS 326 - Sonographic Lab Practice II.

Prerequisite(s): DMS 327 or consent of the instructor.

Term(s) Offered: Spring

DMS 347 - Advanced Clinical Practice

Credits: 4

This course requires a final mastery of all sonographic clinical competencies within a supervised clinical education setting. Emphasis will be on general skill achievement with introduction to specialized sonographic examinations and procedures.

Prerequisite(s): DMS 337 or consent of the instructor.

Term(s) Offered: Summer

DMS 436 - Sonographic Professional Advancement Seminar

Credits: 3

This course emphasizes individualized study, analysis and synthesis of concepts related to general, vascular and cardiac sonography concentrations. The student is challenged to pursue diagnostic medical sonography credentialing examinations defined by American Registry for Diagnostic Medical Sonography (ARDMS).

Prerequisite(s): DMS 333 or consent of the instructor.

Term(s) Offered: Spring

DVT 398 - Introduction to Sonographic Vascular Lab

Credits: 2

This course provides the student with an introduction to the sonographic vascular lab clinical through campus laboratory practice. The student will gain an understanding of the daily activities within a vascular laboratory, necessary skills to properly operate vascular diagnostic ultrasound equipment, and proper patient care for all vascular sonography exams. The student will achieve understanding of clinical and practical experience in support of classroom studies.

Prerequisite(s): DMS 337 or consent of the instructor.

Term(s) Offered: Summer

DVT 401 - Introduction to Vascular Anatomy and Procedures

Credits: 2

This course provides the student with an introduction to the vascular anatomy and physiology as it pertains to diagnostic vascular sonography. Emphasis is placed on various types of vascular testing methods, equipment utilized, and conditions warranting vascular examination.

Prerequisite(s): DMS 331 or consent of the instructor.

Term(s) Offered: Summer

DVT 402 - Vascular Procedures I

Credits: 3

This course provides the student with an introduction to the vascular anatomy and physiology as it pertains to diagnostic vascular sonography. Emphasis is placed on gross anatomy arterial and venous systems. Topics include vascular physiology and fluid dynamics of the circulatory system.

Prerequisite(s): DVT 401 or consent of the instructor.

Term(s) Offered: Fall

DVT 421 - Vascular Procedures II

Credits: 2

This course provides the student with a study of the disease processes pertaining to diagnostic vascular sonography. Emphasis is placed on clinical signs, symptoms, and relative laboratory tests of vascular diseases. Topics include patient history, risk factors, contributing diseases, and normal vs. abnormal vascular sonographic patterns of diseases.

Prerequisite(s): DVT 402 or consent of the instructor.

Term(s) Offered: Spring

DVT 423 - Sonographic Vascular Lab Practice I

Credits: 2

This course provides the student with continued preparation in the vascular sonography clinical environment through campus laboratory practice. Students will continue to build on skills introduced in DVT 398 by gaining an understanding of the daily activities within a vascular lab, necessary skills needed to properly operate vascular diagnostic ultrasound equipment, and proper patient care for all vascular sonography exams. Emphasis is placed on the application of skills studied in DVT 401 - Introduction to Vascular Anatomy and Procedures. The student will achieve an understanding of clinical and practical experience in support of classroom studies.

Prerequisite(s): DVT 398 or consent of the instructor.

Term(s) Offered: Fall

DVT 426 - Clinical Practice I-Vascular

Credits: 4

This course provides supervised clinical education allowing students to apply knowledge and essential skills of vascular sonography. Emphasis is placed on the application of skills studied in DVT 398 - Introduction to Sonographic Vascular Lab and DVT 401 - Introduction to Vascular Anatomy and Procedures.

Prerequisite(s): DVT 401 or consent of the instructor.

Term(s) Offered: Fall

DVT 437 - Clinical Practice II-Vascular

Credits: 3

This course is a continuation of supervised clinical education. Emphasis is placed on the application of skills studied in DVT 402 - Vascular Procedures I and DVT 423 - Sonographic Vascular Lab Practice I.

Prerequisite(s): DVT 426 or consent of the instructor.

Term(s) Offered: Spring

ECHO 398 - Introduction to Echocardiography Lab

Credits: 2

This course provides the student with an introduction to the sonographic echocardiography lab clinical environment through campus laboratory practice. The student will gain an understanding of the daily activities within an echocardiography laboratory, necessary skills to properly operate cardiac diagnostic ultrasound equipment, and proper patient care for all cardiac sonography exams. The student will achieve an understanding of clinical and practical experience in support of classroom studies.

Prerequisite(s): DMS 337 or consent of instructor.

Term(s) Offered: Summer

ECHO 401 - Introduction to Echocardiography

Credits: 2

This course provides the student with an introductory study of the clinical applications within the specialty of cardiac sonography. Emphasis is placed on the anatomic and physiological relationships within the thoracic cavity.

Prerequisite(s): DMS 331 or consent of the instructor.

Term(s) Offered: Summer

ECHO 402 - Advanced Echocardiography

Credits: 3

This course provides the student with an advanced study of the clinical applications within the specialty of cardiac sonography. Emphasis is placed on echocardiography evaluation procedures and techniques.

Prerequisite(s): ECHO 401 or consent of the instructor.

Term(s) Offered: Fall

ECHO 421 - Fetal Echocardiography

Credits: 2

This course provides the student with a study of the fundamentals of fetal echocardiography, including case study review of normal anatomy, physiology, and pathological conditions of the heart and its visualization with 2D and 3D imaging, Doppler, and M-mode echocardiography.

Prerequisite(s): ECHO 402 or consent of instructor.

Term(s) Offered: Spring

ECHO 423 - Echocardiography Lab Practice I

Credits: 2

This course provides the student with continued preparation for the sonographic echocardiography lab clinical environment through campus laboratory practice. The student will continue to build on skills introduced in ECHO 398 by gaining an understanding of the daily activities within an echocardiography lab, necessary skills needed to properly operate cardiac diagnostic ultrasound equipment, and proper patient care for all cardiac sonography exams. Emphasis is placed on the application of skills studied in ECHO 402 - Advanced Echocardiography. The student will achieve an understanding of clinical and practical experience in support of classroom studies.

Prerequisite(s): ECHO 398 or consent of the instructor.

Term(s) Offered: Fall

ECHO 426 - Clinical Practice I-Cardiac

Credits: 4

This course provides supervised clinical education allowing students to apply knowledge and essential skills of cardiac sonography. Emphasis is placed on the application of skills studied in ECHO 398 - Introduction to Echocardiography Lab and ECHO 401 - Introduction to Echocardiography.

Prerequisite(s): ECHO 401 or consent of the instructor.

Term(s) Offered: Fall

ECHO 437 - Clinical Practice II-Cardiac

Credits: 3

This course provides the student with a continuation of supervised clinical education. Emphasis is placed on the application of skills studied in ECHO 402 - Advanced Echocardiography, ECHO 421 - Fetal Echocardiography, and ECHO 423 -

Echocardiography Lab Practice I.

Prerequisite(s): ECHO 426 or consent of the instructor.

Term(s) Offered: Spring

ECON 175 - Fundamentals of Economics

Credits: 3

An introduction to basic economic terms and concepts, such as scarcity, choice, resources, opportunity cost, markets, incentive, prices, competition, employment, inflation, growth, output and changes in business activity. Special emphasis is given to understanding how these concepts are applied and influenced by choices which individuals and organizations face every day.

USI Core 39: Social Science-BS.

This course is part of the Core Transfer Library (CTL).

Indiana Statewide Common Course #: ISH 1040.

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

Term(s) Offered: Fall, Spring

ECON 208 - Principles of Microeconomics

Credits: 3

The course will introduce students to the Economist's lens of 'knowing' social phenomena. This lens is formed of the Cost-Benefit approach to individual decision-making, which draws from diverse fields such as ethics, cognitive science and game theory, along with the interactions of these decisions through coordinating mechanisms, such as a market. Social phenomena examined include 'everyday' phenomena such as: why do we find a lot of carts laying around the parking lot of one store in comparison to that of another store? as well as phenomena of a larger scope, such as: why the physical conditions of homes in an area can impact its crime rate.

USI Core 39: Ways of Knowing-Social Inquiry; Social Science (BS).

Prerequisite(s): MATH 111 or its equivalent.

This course is part of the Core Transfer Library (CTL).

Indiana Statewide Common Course #: ISH 1042.

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

Term(s) Offered: Fall, Spring, Summer

ECON 209 - Principles of Macroeconomics

Credits: 3

An introductory analysis of overall economic activity. Income, production, employment, and prices are examined at the national level. Alternative theories of, and policies toward, economic stabilization and growth are examined.

USI Core 39: Social Science-BS.

Prerequisite(s): MATH 111 or its equivalent.

This course is part of the Core Transfer Library (CTL).

Indiana Statewide Common Course #: ISH 1041.

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

Term(s) Offered: Fall, Spring, Summer

ECON 241 - Global Economic Issues

Credits: 3

An introduction to the causes and consequences of the growing economic interdependence of nations. Emphasis is placed on how different people, cultures, institutions, and economies are affected by, and respond to, current global issues. Topics may include international trade, immigration, economic development, and capital markets.

Prerequisite(s): ECON 175 or ECON 208 or ECON 209 or consent of instructor.

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

Term(s) Offered: Fall, Spring, Summer

ECON 265 - Elementary Statistics

Credits: 3

An initial presentation of the conceptual framework of statistical thinking. The course then presents design and graphical techniques for describing data and for making inferences from the data. Business applications are utilized for illustration.

Prerequisite(s): MATH 111 and CIS 151.

Term(s) Offered: Fall, Spring, Summer

ECON 301 - Economic Ideas and Current Issues

Credits: 3

This course provides an introductory application of economic concepts to a wide variety of current social issues and problems with an integrative emphasis across the social sciences.

Prerequisite(s): Junior standing.

ECON 308 - Intermediate Microeconomic Theory

Credits: 3

An in depth study in microeconomic theory. This framework is fundamental to understanding an enormous range of phenomena in business, public policy, social behavior, and a variety of other fields. Microeconomic analysis relies on a small set of enormously powerful analytical tools: constrained optimization analysis, equilibrium analysis, and comparative statics analysis.

This course attempts to help you master these tools by illustrating their use in many different contexts.

Prerequisite(s): ECON 208, ECON 209, and either MATH 230 or MATH 215.

Term(s) Offered: Fall

ECON 309 - Intermediate Macroeconomic Theory

Credits: 3

An in depth study in macroeconomic theory. The course will cover traditional macroeconomic topics like short-run fluctuations and stabilization policy, as well as explain other important issues like the determinants of long-run economic growth, the trade balance and financial flows, labor markets, and institutional framework of policymaking.

Prerequisite(s): ECON 208, ECON 209, and either MATH 215 or MATH 230.

Term(s) Offered: Spring

ECON 327 - Applied Cost-Benefit Analysis

Credits: 3

This course presents the analytical framework for a popular decision-making tool used by private and public sector managers for investment analysis and project evaluation. Emphasis will be placed on understanding fundamental economic theory and practical measurement techniques. The course will focus on real-life problems and case studies while discussing the limitation and critiques of the method.

Prerequisite(s): ECON 208.

ECON 331 - Public Economics

Credits: 3

Economic rationales for government involvement in the economy including correcting market failures and redistributing income. Public Economics examines government expenditure and taxation policy in achieving these goals.

Prerequisite(s): ECON 208 and ECON 209.

ECON 338 - Environmental and Resource Economics

Credits: 3

Explanation and application of the interplay between the natural environment and economic activity. Environmental economics focuses on the impact of economic activity on the natural environment; whereas, resource economics studies the supply, demand and allocation of natural resources used for economic activity. Issues include water and air pollution, global climate change, and the management of natural resources.

Prerequisite(s): ECON 208.

ECON 341 - International Trade

Credits: 3

An examination of the causes and consequences of the movement of goods and services across national borders.

Prerequisite(s): ECON 208 and ECON 209.

ECON 343 - International Finance

Credits: 3

The study of foreign exchange markets, exchange rate determination, balance of payments, international flow and management of financial assets and various risk exposures, and the operation and effectiveness of economic policy in an open economy.

Prerequisite(s): ECON 208, ECON 209, and FIN 305, or consent of instructor.

Cross-Listed: FIN 343.

Term(s) Offered: Spring

ECON 346 - Development Economics

Credits: 3

The study of development factors and theories with the emphasis on the international context of development. Topics may include the implications of globalization, the rise of China and the continuing crisis of Sub-Saharan Africa.

Prerequisite(s): ECON 208 and ECON 209.

ECON 349 - Open Economy Macroeconomics

Credits: 3

An examination of the positive and negative facets of important economic phenomena that emerge from countries being financially interlinked and the policy tools that impinge on such phenomena. The course begins with a general model of an open economy and then considers special cases pertaining to particular countries, institutions, and historical time periods.

Prerequisite(s): ECON 208 and ECON 209.

ECON 351 - Labor Economics

Credits: 3

The course focuses on the decisions of wage earners within modern society and how the role of government, firms and other economic agents influence those decisions. Topics include the decision to work, labor demand, wage theory and policy, discrimination, human capital, the role of unions, and managerial incentives.

Prerequisite(s): ECON 208 and ECON 209.

ECON 353 - Economics of Sports

Credits: 3

An examination of the industry of sports using the tools and concepts of economic analysis. The topics to be addressed in professional and amateur sports include new stadiums and franchises, salary caps, unions, free agency, the NCAA, the existence of amateur status, and the impacts of monopoly and cartel behavior.

Prerequisite(s): ECON 208.

ECON 357 - Economics of Healthcare

Credits: 3

Students will learn about the healthcare sector and how to apply the tools of economics to analyze the structure and performance of this sector. The features of the market for health services are described with emphasis placed on the characteristics which make this market different from the markets for other goods and services.

Prerequisite(s): ECON 208.

ECON 361 - Money and Banking

Credits: 3

The nature and function of credit in the American economy; operation of commercial banks; purposes and functions of the Federal Reserve System, and the introduction to monetary theory. The course emphasizes the impacts of recent developments in the U.S. monetary system on both individuals and the overall economy.

Prerequisite(s): ECON 208 and ECON 209.

Term(s) Offered: Fall, Spring

ECON 365 - Intermediate Statistics for Business Decisions

Credits: 3

Continued exploration of statistical techniques and methods at an upper level in areas of business applications. The analysis of

large and complex data sets will be emphasized. Topics may include regression, ANOVA, time series analysis, some multi-variate techniques, and non-parametric techniques.

Prerequisite(s): ECON 265 or equivalent.

ECON 433 - Games and Strategic Behavior

Credits: 3

This course is designed to investigate those scenarios where agent's choices are made in the presence of strategic motives, i.e. an agent's optimal decision is dependent on the choices of others within the environment. The participants (players) within these types of strategic scenarios (games) need not be individuals; they can be firms, political parties, tribes, nations, etc.

Prerequisite(s): ECON 308 or ECON 309 or consent of instructor.

Term(s) Offered: Spring

ECON 461 - History of Economic Thought

Credits: 3

Where do popular economic ideas and theories originate? The development of economic thought from early Greeks and Romans into the present century is presented. Emphasis on Smith, Malthus, Ricardo, Mill, Marx, Marshall, and Veblen. The literature is examined in relation to the social, political, and economic events of each period with an emphasis on how ideas have changed and developed over time.

Prerequisite(s): ECON 208 and ECON 209.

ECON 472 - Econometrics

Credits: 3

How do economists test their ideas and theories? This course presents an overview of the economics devoted to the statistical testing of propositions derived from economic theory. An introduction to econometric methods and their application to economic research is developed.

Prerequisite(s): ECON 265, MATH 230 or MATH 215, and six hours of 300/400 level economics coursework.

ECON 489 - Special Topics in Economics

Credits: 1-3

This course offers students the opportunity to study selected topics of current interest and importance in economics. These topics will vary according to the interests of students and faculty.

Prerequisite(s): ECON 208 and ECON 209 and consent of instructor.

Repeatability: Students may repeat the course up to three times, as the topic changes.

ECON 499 - Senior Seminar in Economics

Credits: 3

A seminar and research course in selected topics of current interest.

Prerequisite(s): Senior standing, ECON 308 and ECON 309.

Repeatability: Repeatable for up to six hours.

Term(s) Offered: Fall, Spring

EDUC 102 - Reflective Teacher Model

Credits: 1

Examines the Reflective Teacher Model, with attention to (1) programs and procedures, (2) application requirements and deadlines, (3) correlation of reflective teacher model with INTASC principles, (4) field placement requirements and procedures, and (5) the characteristics of the reflective teacher. Open only to transfer students who have completed both an Introduction to Education and Foundations of Education course.

Prerequisite(s): By permission of instructor.

EDUC 103 - Classroom Observation

Credits: 0

Field experience completed in conjunction with EDUC 196.

Co-Requisite(s) (must be taken at same time as): with EDUC 196.

EDUC 104 - Tutoring in School Programs

Credits: 0

Field experience completed in conjunction with EDUC 201.

Co-Requisite(s) (must be taken at same time as): with EDUC 201.

EDUC 105 - Initial Field Experience: Tutoring, Grades 6-12

Credits: 0

Field experience completed in conjunction with EDUC 202.

Co-Requisite(s) (must be taken at same time as): with EDUC 202.

EDUC 173 - History of Schooling in America 1620-Present

Credits: 3

Survey of U.S. schooling, beginning with the earliest Massachusetts laws and schools and continuing to No Child Left Behind in the 21st century. In this course students use primary documents to study a dynamic and contentious aspect of U.S. history.

USI Core 39: Ways of Knowing-Historical Inquiry.

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

EDUC 196 - Explorations in Reflective Teaching

Credits: 3

The exploratory course is designed as an elective for students considering teaching as a profession. Students will be introduced to the profession of teaching and to the philosophical foundation for teacher education at USI -- the Reflective Teacher Model. The course examines the nature and functions of schools and the ways that teachers' beliefs influence educational outcomes by helping to shape classroom life. Service learning project required. This course does not apply toward a major or minor in Teacher Education.

Term(s) Offered: Fall

EDUC 201 - Growth and Development: Middle Childhood

Credits: 3

Examines the early and current theories of child development in the areas of physical/ motor, psychosocial (cultural influences), and cognitive/language/ literacy development of students ages seven to 12 years. Focuses on the integration of research findings and theories of growth and development in elementary school practice. Guided field experience required.

Prerequisite(s): EDUC 196 (may be taken concurrently).

Co-Requisite(s) (must be taken at same time as): EDUC 104 and scores on PRAXIS I.

Term(s) Offered: Fall, Spring

EDUC 202 - Growth and Development: Adolescence and Young Adult

Credits: 3

Examines the early and current theories of adolescent/young adult development in the areas of physical, psychosocial (cultural influences), and cognitive/language/literacy development of adolescent/young adult students. Focuses on the integration of research findings and theories of growth and development in high school practice. Guided field experience required.

Prerequisite(s): EDUC 196 (may be taken concurrently) .

Co-Requisite(s) (must be taken at same time as): EDUC 105 and scores on PRAXIS I.

Term(s) Offered: Fall, Spring

EDUC 203 - Introduction to Children's Literature

Credits: 3

A survey course designed to introduce and explore traditional and contemporary children's literature through immersion into a variety of authors, illustrators, and genres. This course is designed to enhance teacher candidates' understanding of children's literature and how these books can be used effectively with children of all ages.

Prerequisite(s): ENG 101 with a grade of C or better.

This course is part of the Core Transfer Library (CTL).

Indiana Statewide Common Course #: IEL 1220.

Term(s) Offered: Fall, Spring, Summer

EDUC 204 - Teaching Writing in Diverse Classrooms, K-8: Research-based Practices Across the Curriculum

Credits: 3

This course introduces teacher candidates to best practices in teaching writing in the elementary and middle school classroom in all subject areas. Students examine theoretical perspectives on the teaching of writing and the connections between writing and other literacies (reading, speaking, and listening). The course will incorporate strategies for using writing to enhance children's learning in all disciplines.

Prerequisite(s): ENG 201 with grade of C or better.

EDUC 206 - Introduction to Exceptionalities

Credits: 3

This course defines and examines the nature and needs of exceptional children. Special education foundations and legal mandates will be discussed. Appropriate accommodations and teaching methods that address each area of exceptionality and the effectiveness of these techniques will be covered. The role of teachers, parents, and other relevant personnel will be investigated in relation to current practices which include individual education programs (IEP), inclusion, and least restrictive environment (LRE). This course must be taken as a prerequisite or co-requisite with the Exploration Phase course(s) in Teacher Education.

Prerequisite(s): ENG 101, grade of C or better

EDUC 214 - Instructional Technology in Education

Credits: 3

Explores the use of the technology to enhance the teaching and learning process. Students will explore current research, issues, and methodology related to the design, development, and use of technology resources. Emphasis will be placed on the evaluation and selection of Internet resources, educational software, productivity tools, and other emerging technologies in the educational environment. Students will develop skills in the production and effective use of print, projected, and displayed communication using technology tools.

Prerequisite(s): First semester sophomore standing.

Term(s) Offered: Fall, Spring, Summer

EDUC 221 - Diversity and Equity in Education

Credits: 3

The purpose of this course is to explore the theory and knowledge base that supports multicultural education and an awareness of diversity within American society. Topics may include the critical study of issues as they relate to race and ethnicity, exceptionality, language and dialect, religion, gender, and age.

USI Core 39: Ways of Knowing-Social Inquiry; Embedded Experience-Diversity; Embedded Experience-Writing.

Prerequisite(s): ENG 201, grade of C or better.

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

EDUC 241 - Early Childhood Education

Credits: 3

Early Childhood Education studies the historical and current perspectives in the education of young children in early childhood settings including curriculum models, health, safety and nutrition needs of children, licensing and accreditation standards.

EDUC 242 - Growth and Development: Early Childhood

Credits: 3

Examines the development of the early years and the ways to assess development in the growth domains. Examines the importance of observation and documentation, compares assessment instruments, and examines appropriateness of each tool. Guided field experience required.

EDUC 243 - Observation, Assessment, and Documentation

Credits: 3

Examines the importance of observation and documentation to the assessment process. Techniques for each area will be considered. Field experience required.

Prerequisite(s): Concurrent enrollment in EDUC 242.

EDUC 246 - Language and Literacy in the Early Years

Credits: 3

Examines the process of language and literacy development in young children. The course focuses on ways teachers of young children integrate research based knowledge with early school and family literacy. Field experience required.

Prerequisite(s): EDUC 242.

EDUC 255 - Growth and Development: Infants and Toddlers

Credits: 3

Examines the growth and development of infants and toddlers with an emphasis on the uniqueness of the earliest years and the implications for care in group settings. Theoretical and philosophical approaches to infant/toddler care will be studied. Programs and activities for infants and toddlers will be discussed and planned, incorporating accommodations for early intervention. Required field work involves experiences with infants and toddlers (B-2 years).

Prerequisite(s): Current criminal background check.

EDUC 256 - Guidance of Young Children

Credits: 3

Studies various theories and practices related to the guidance of young children. Emphasis on self awareness for teachers and parents leading to setting program goals and promoting prosocial behavior.

Prerequisite(s): EDUC 242.

EDUC 257 - Programs for Infants and Toddlers

Credits: 3

Examines theoretical approaches in infant/toddler care. Emphasis will be on developing programs and activities for infants and toddlers in group care. Field experience required.

Prerequisite(s): EDUC 242 and EDUC 255.

EDUC 261 - Special Needs: Early Childhood Education

Credits: 3

Studies the various special needs conditions, early identification and intervention approaches, and the subsequent adaptations necessary for a classroom setting. Field experience required.

Prerequisite(s): EDUC 242.

EDUC 272 - Health, Safety, Nutrition for the Young Child

Credits: 3

Studies the link between proper nutrition, health, and child development. Special health and safety needs of young children will be explored as they relate to program plans in early childhood settings. Information for teachers to share with families will be developed. Field experience required.

Prerequisite(s): EDUC 242.

EDUC 283 - Explorations in Secondary Education

Credits: 3

This course is designed to integrate the fundamental aspects of adolescent development and teaching adolescents reading strategies in a departmentalized middle or secondary (5-12) school setting. The course will include a field experience (practicum) in a local school.

Prerequisite(s): Admission to Exploration Phase of Teacher Education including 24 credit hours of coursework with a 2.75 GPA. Demonstrated proficiency in critical reading, writing, and mathematics (Indiana's Office of Educator Licensing and Development standards and benchmarks will be followed.) Grade of C or above in all courses applied to the candidate's degree. Completion of co-enrollment in EDUC 221; completion of co-enrollment in EDUC 206.

EDUC 284 - Introductory Clinical Experiences in Secondary Schools

Credits: 3

Enrolled concurrently with EDUC 283 - Explorations in Secondary Education. Three semester hours designed around a field experience in a local school. Applied projects and experiences occur through one-on-one after-school mentoring programs and small group instruction. The clinical experiences emphasizes the application of content related to adolescent development, teaching adolescents with exceptionalities, and teaching adolescents reading strategies in a secondary education setting.

Prerequisite(s): Admission to Exploration Phase in Teacher Education and EDUC 221 (may be taken concurrently).

Co-Requisite(s) (must be taken at same time as): EDUC 283.

EDUC 285 - Early Childhood: Program Administration

Credits: 3

Analyzes and evaluates current educational programs for young children with emphasis on the management aspects of child care programs including personnel matters (employment, training, and dismissal); policies and procedures related to health, safety, fire regulations and facility maintenance; financial planning and budgeting; supervision of program; and parent relationships. Field experience required.

Prerequisite(s): Completion of 15 hours in early childhood education.

EDUC 292 - Explorations in Elementary Education

Credits: 3

This course will provide a broad overview of current issues and practices in elementary schools. Candidates will explore major child development concepts, learning theories, socio-historical contexts, and research related to the growth and development and literacy acquisition. This course requires a field experience involving tutoring in a local school.

Prerequisite(s): Admission to Exploration Phase of Teacher Education including: 24 credit hours of coursework with a 2.75 GPA. Demonstrated proficiency in critical reading, writing, and mathematics (Indiana's Office of Educator Licensing and Development standards and benchmarks will be followed.) Grade of C or above in all courses applied to the candidate's degree. Completion or co-enrollment in EDUC 221; completion or co-enrollment in EDUC 206.

EDUC 304 - Growth & Development: Early Adolescence

Credits: 3

Examines the early and current theories of early adolescent development in the areas of physical, psychosocial (cultural influences), and cognitive/language/ literacy development of students ages 10 to 14 years. Focuses on the integration of research findings and theories of growth and development in middle school practice. Guided field experience required.

Prerequisite(s): EDUC 201 or EDUC 202 or EDUC 242.

Term(s) Offered: Fall, Spring

EDUC 313 - Advanced Children's Literature

Credits: 3

Course builds upon experiences gained from introduction to children's literature by focusing on the evaluation and selection of trade books and non-print literature for children in grades P-6. Technology-based response activities will be included.

Prerequisite(s): ENG 201 (grade of C or better) and EDUC 203 (grade of C or better); sophomore standing.

Term(s) Offered: Spring

EDUC 314 - Young Adult Literature

Credits: 3

Course provides a broad survey of contemporary literature for adolescents and young adults (grades 6-12). Participants will read critically acclaimed literature and design plans for incorporating these works across the curriculum in middle school and high school classrooms. Technology-based response activities will be included.

Prerequisite(s): ENG 201 (grade of C or better) and EDUC 203 (grade of C or better; sophomore standing).

Term(s) Offered: Fall

EDUC 315 - Management for Students with Exceptional Needs

Credits: 3

This course covers behavioral theory, foundations of positive behavior support, and legal issues related to behavior. It teaches students strategies for managing the classroom to facilitate learning and ensure safety in diverse school settings. Students learn to identify the functions of student behavior and effective behavior interventions for addressing behavior difficulties. Strategies for crisis prevention and intervention are addressed.

Prerequisite(s): EDUC 292.

EDUC 340 - Special Topics in Early Childhood Education

Credits: 1-3

Explores contemporary topics or innovative developments in early childhood education. Subtitle and credit hours determined by faculty at each offering.

EDUC 344 - Family, School, Community Partnerships

Credits: 3

Examines the diversity of families and factors that influence parenting in contemporary society. Focuses on strategies to develop working partnerships with parents. Addresses ways to design parent-teacher conferences, parent education, and parent involvement in P-6 settings. Guided field experience required.

Prerequisite(s): EDUC 201 or EDUC 202 or EDUC 242.

Term(s) Offered: Fall, Spring

EDUC 346 - Early Childhood Curriculum I

Credits: 3

Examines theoretical views of cognitive development with a focus on how children, ages three through five in preschool settings, acquire, organize, and apply knowledge. Integrated methods and developmentally appropriate activities in early childhood education for math, science, and social studies are emphasized. Foundations for Young Children to the Indiana Academic Standards are emphasized. Field experience required.

Prerequisite(s): EDUC 242.

Term(s) Offered: Fall, Spring

EDUC 347 - Early Childhood Curriculum II

Credits: 3

Examines theories and importance of creativity in children's development. Integrated methods and developmentally appropriate activities for art, music, play, and movements curriculum for children ages three through five in preschool. Field experience required.

Prerequisite(s): EDUC 242.

Term(s) Offered: Fall, Spring

EDUC 348 - School-Age Child Care

Credits: 3

This course examines the needs of children in school age childcare, ages five to 12 years. Emphasis is placed on the study of the environment, curriculum, and schedule necessary for developmentally appropriate school-age programs in a variety of settings. Field experience required.

Prerequisite(s): EDUC 242, EDUC 346, and EDUC 347 or consent of instructor.

EDUC 351 - Music, Movement, Play, and Expressive Arts

Credits: 3

This course focuses on play as the principle medium of children's learning and development through activities such as exploration of music, movement, and rhythms for young children. Its objectives relate mainly to learning the teacher's role in supporting, facilitating, and guiding children's play with a focus on physical activity through developmentally appropriate activities for birth through age 8 settings.

Prerequisite(s): EDUC 242 or EDUC 292.

EDUC 354 - Practicum in Elementary Education

Credits: 3

Directed field experiences in approved settings involving students in the elementary school setting (Grades K-6). Experiences will involve the identification of specific learning needs within the classroom, development of integrated curriculum, collaborative implementation through differentiated instructional strategies, and assessment of instructional impact on student learning.

Prerequisite(s): EDUC 292.

Co-Requisite(s) (must be taken at same time as): Two of the following required: EDUC 373, EDUC 388, EDUC 378, MATH 392.

EDUC 355 - Practicum in Early Childhood Education

Credits: 3

Relates theory to practice through supervised experiences in an early childhood setting. Students work under the general supervision of pre-school and University personnel.

Term(s) Offered: Summer

EDUC 356 - Teaching Methods in Integrated Content Areas (Kindergarten-Primary)

Credits: 3

Examines methods and materials in the social studies, science, and mathematics that are developmentally appropriate for young children. Emphasis will be on planning active activities related to science, math, and social studies concepts in kindergarten and primary settings. Emphasis will also be on integrated curriculum and professional collaboration. Field experience required.

Prerequisite(s): EDUC 261

Term(s) Offered: Fall, Spring

EDUC 357 - Fine Arts in the Elementary School

Credits: 3

Examines the objectives, resources, curriculum development, methods of teaching expressive arts at the elementary level. Emphasis is on dance, music, theatre and visual arts in various cultures.

Prerequisite(s): EDUC 242 or EDUC 292 and admission to the Teacher Education Program.

Term(s) Offered: Fall, Spring

EDUC 359 - Practicum Topics in Early Childhood Education

Credits: 1-3

Experience is designed to relate theory to practice through supervised experiences in an early childhood setting. Students work under the supervision of preschool and University personnel. Topic is specified for each offering.

Prerequisite(s): No prereq.

Repeatability: The course may be repeated up to a maximum of nine credit hours.

EDUC 366 - Educational Assessment

Credits: 3

Examines the impact of testing and assessment. Reviews accountability movements, standardized testing, and high stakes assessment systems as they affect the roles and power of teachers and administrators. Students will learn to construct normative and criterion referenced assessments, and learn their utility in aligning curriculum and activities with K-12 content standards. Field experiences may be required.

Prerequisite(s): EDUC 221 and EDUC 206, admission to teacher education.

Term(s) Offered: Fall, Spring, Summer

EDUC 373 - Teaching Science in the Elementary School

Credits: 3

Designed to integrate physical, biological, earth/science concepts, and the teaching of science. Experiences in inquiry-based problem solving using primary and integrated science process skills stressed. Age-appropriate science content and teaching methodologies are studied. The course also explores issues regarding safe science, evaluating student comprehension in science, and addressing state and national science standards. Field experiences with children in a school setting required. It is strongly recommended that students have completed seven credit hours of science before enrolling in this course.

Prerequisite(s): Admission to teacher education.

Term(s) Offered: Fall, Spring, Summer

EDUC 378 - Literacy Methods I

Credits: 3

Teaching techniques and materials for the developmental reading program plus techniques for establishing oral and written expression with emphasis on understanding how language learning takes place in the elementary school. Guided field experience required.

Prerequisite(s): EDUC 203. Elementary Education, Early Childhood or Special Education major.

Term(s) Offered: Fall, Spring, Summer

EDUC 381 - Literacy, Language, and Culture

Credits: 3

Candidates will know, understand, and use the major concepts, theories, and research related to the nature and acquisition of language to construct learning environments that support culturally and linguistically diverse learners' literacy and language development and content area achievement. The course will include such topics as language and identity, bilingualism, code-switching, dialects, heritage languages, language policy, language death, and first and second language learning.

USI Core 39: Embedded Experience-Global.

Prerequisite(s): EDUC 378.

EDUC 382 - Elementary Analysis of Curriculum and Instruction

Credits: 3

Three semester hour course designed to integrate the fundamental aspects of differentiated instruction, integrated curriculum development, lesson planning, and concept assessment while teaching in an elementary (K-6) school setting. The course includes a field experience practicum in a local school.

Prerequisite(s): EDUC 292 and admission to Analysis Phase in Teacher Education.

Co-Requisite(s) (must be taken at same time as): EDUC 398

EDUC 383 - Secondary Analysis of Curriculum and Pedagogy

Credits: 3

Three semester hours designed to integrate the fundamental aspects of differentiated instruction, curriculum development, lesson planning, and concept assessment while teaching in a departmentalized middle or secondary (5-12) school setting.

Prerequisite(s): Admission to Analysis Phase in Teacher Education

Co-Requisite(s) (must be taken at same time as): EDUC 384.

EDUC 384 - Advanced Clinical Experiences in Secondary Schools

Credits: 3

Three semester hours of field practicum designed to support candidates' integration of differentiated instruction, curriculum development, lesson planning, and concept assessment while teaching in a departmentalized middle or secondary (5-12) school setting.

Prerequisite(s): Admission to Analysis Phase in Teacher Education.

Co-Requisite(s) (must be taken at same time as): EDUC 383.

EDUC 385 - Teaching and Learning in the Senior High, Junior High, and Middle School

Credits: 3

The nature of teaching and learning, including psychological principles, instructional planning, instructional techniques, curriculum, and evaluation.

Prerequisite(s): EDUC 202 and admission to teacher education. Guided field experience required.

Term(s) Offered: Fall, Spring

EDUC 386 - Early Childhood Curriculum and Instruction

Credits: 3

This course is a comprehensive study of early childhood pedagogy, research and curriculum, with a focus on how preschool age children acquire, organize, and apply knowledge. Integrated methods and developmentally appropriate activities for math, science, and social studies are emphasized. Reflecting and supporting diversity in addition to utilizing observation and assessment of learning will be stressed.

Prerequisite(s): Admission to Analysis Phase in Teacher Education.

Co-Requisite(s) (must be taken at same time as): EDUC 355.

EDUC 388 - Teaching Social Studies in the Elementary School

Credits: 3

This course prepares elementary teacher candidates with the knowledge, skills, and dispositions needed to teach the social studies curriculum in grades K-6, as defined by the Indiana Academic Standards and the Indiana licensure standards for Elementary Generalists.

Prerequisite(s): EDUC 292 and admission to Teacher Education.

Term(s) Offered: Fall, Spring, Summer

EDUC 390 - Teaching Foreign Languages in the Senior High, Junior High, and Middle School

Credits: 2

Aims and methods of procedure in teaching foreign language.

Prerequisite(s): EDUC 385.

Term(s) Offered: Fall, Spring

EDUC 391 - The Teaching of High School Mathematics

Credits: 3

The materials, devices, and methods of teaching mathematics.

Term(s) Offered: Fall, Spring

EDUC 392 - The Teaching of Elementary School Mathematics

Credits: 3

The materials, devices, and methods of teaching mathematics in the elementary school. Guided laboratory experiences in local schools may be required.

Prerequisite(s): MATH 203 and admission to teacher education.

EDUC 394 - Teaching Social Studies in the Senior High, Junior High, and Middle School

Credits: 2

Emphasis on methods and materials in social studies. Required of those who do student teaching in social studies.

Prerequisite(s): 18 hours in social sciences and EDUC 385.

Term(s) Offered: Fall, Spring

EDUC 395 - Teaching English in the Senior High, Junior High, and Middle School

Credits: 2

Aims and methods of procedure in teaching English with emphasis on literature and composition, plus materials and organization as preparation for student teaching.

Prerequisite(s): EDUC 385.

Term(s) Offered: Fall, Spring

EDUC 396 - Teaching Science in Grades 5-12

Credits: 3

This course in teaching science in grades 5-12 provides teacher candidates with the standards-based practices in science planning,

teaching and assessing diverse learners. The course content focuses on current Indiana and national standards with an emphasis on classroom management, teaching strategies, laboratory techniques, and educational technology appropriate for secondary science teaching.

Prerequisite(s): EDUC 283.

Term(s) Offered: Fall, Spring

EDUC 398 - Reading Methods

Credits: 3

Examines issues related to scientifically-based reading research. Reading strategies and assessments for teaching and evaluating phonemic awareness, phonics, fluency, comprehension, and vocabulary are taught and then utilized in a guided field experience.

Prerequisite(s): EDUC 203 and either EDUC 246 or EDUC 378.

Term(s) Offered: Fall, Spring, Summer

EDUC 401 - Teaching Communications in the Senior High, Junior High, and Middle School

Credits: 2

Application of communications principles to practical classroom use.

Term(s) Offered: Fall, Spring

EDUC 405 - Educational Psychology

Credits: 3

A study of educational psychology in the classroom, how techniques from this area can aid the teacher in subject matter presentation and in dealing with school pupils.

Term(s) Offered: Irregularly offered.

EDUC 407 - Growth & Development of Exceptionalities

Credits: 3

This course examines the development and characteristics of individuals ages 10 through adulthood with exceptional needs. The course includes a survey of the physical, intellectual, social and emotional development, and the unique needs and characteristics of students who are at risk or who have exceptionalities. The course focuses on the integration of research findings and theories of growth and development in school practice.

Prerequisite(s): EDUC 201.

Term(s) Offered: Fall, Spring

EDUC 408 - Teaching Reading to Students with Special Needs

Credits: 3

Emphasizes the knowledge and skills necessary for teaching reading to students with mild disabilities.

Prerequisite(s): EDUC 242 and EDUC 261 or EDUC 292 or EDUC 283 and EDUC 284 (Exploration Block) and EDUC 206.

EDUC 411 - Legal and Contemporary Issues Related to Exceptional Needs

Credits: 3

This course will examine the legal foundations for the provision of special education services. This course will review contemporary legal findings prevalent in the field through class discussion of cases involving mediation, due process, and court decisions. Legal tenets that relate to differing opinions involving school personnel, state educational agencies, and parents will be thoroughly examined.

Prerequisite(s): EDUC 206.

EDUC 412 - Evaluation and Exceptionality: Assessment, Interpretation and Instructional Design

Credits: 3

This course explores the purpose(s) of assessment, selection of criteria, administration techniques, need for accuracy in scoring, determination of validity of interpretation, and application of data for instructional design and implementation. The development of assessment skills, awareness of legal and ethical issues, and collaboration will be emphasized.

Prerequisite(s): EDUC 315, EDUC 413, and EDUC 421.

Co-Requisite(s) (must be taken at same time as): EDUC 418 and EDUC 422.

Term(s) Offered: Fall, Spring

EDUC 413 - Exceptional Needs Instructional Strategies I

Credits: 3

This course examines teaching methods appropriate for students with exceptional needs in the primary and intermediate categories. Emphasis is placed on all phases of the instructional process based on assessment of student needs, developmental plans, appropriate implementation and evaluation of effective instruction.

Prerequisite(s): EDUC 292

Term(s) Offered: Fall, Spring

EDUC 418 - Exceptional Needs Instructional Strategies II

Credits: 3

This course examines teaching methods appropriate for students with exceptional needs in the Early Adolescent and Young Adult categories. Emphasis is placed on all phases of the instructional process based on assessment of student needs, development plans, appropriate implementation and evaluation of effective instruction.

Prerequisite(s): EDUC 315, EDUC 411, and EDUC 423.

Co-Requisite(s) (must be taken at same time as): EDUC 412 and EDUC 422.

Term(s) Offered: Fall, Spring

EDUC 419 - Multisensory Language Approach: Teaching Reading to Struggling Readers

Credits: 3

This course examines and analyzes the structure of the English language using encoding, decoding, syllable types, phonemics, spelling rules, and word roots. It focuses on the implementation of knowledge using a multisensory approach to integrated instruction at all grade levels to improve encoding, decoding, grammar and comprehension in language art skills.

Prerequisite(s): EDUC 206, EDUC 378, and admission to Teacher Education.

EDUC 421 - Exceptional Needs Practicum I: Elementary

Credits: 3

This practicum consists of a 60-hour field experience in the elementary school setting taught concurrently with EDUC 413.

Prerequisite(s): Completion of the EDUC 292 or EDUC 283/EDUC 284 Exploration Block and EDUC 206.

Co-Requisite(s) (must be taken at same time as): EDUC 413.

EDUC 422 - Exceptional Needs Practicum II: Secondary

Credits: 3

This practicum consists of a 60-hour field experience in the secondary school setting and taught concurrently with EDUC 418.

Prerequisite(s): Completion of the EDUC 292 or EDUC 283/EDUC 284 Exploration Block and EDUC 206.

Co-Requisite(s) (must be taken at same time as): EDUC 418.

EDUC 423 - Collaborative Partnerships

Credits: 3

This course defines, studies, and applies the skills necessary for teaching collaboratively. It presents a paradigm that adheres to the belief that close working relationships between teachers serving the same students are an absolute necessity. Emphasis will be placed on the need for close communication between professionals, the challenges of scheduling and instructional coordination, and interpersonal problem solving. This course will also examine student transition as it relates to placement in the elementary school, movement from the elementary setting to a middle school placement, movement from the middle school to a high school placement and from the school setting into community environments. It will promote skill development in working with students and their parents to encourage advocacy and self determination.

Prerequisite(s): EDUC 206 and admission to Teacher Education.

Term(s) Offered: Fall, Spring

EDUC 424 - Supervised Student Teaching in Special Education

Credits: 3-9

Teacher candidates in the final semester of their program are assigned to a full-time special education placement for the duration of the semester. Candidates will student teach using USI's Co-Teaching model under the guidance of a classroom teacher and a university supervisor.

Prerequisite(s): Permission of the director of student teaching. All other courses toward degree must be completed before term begins.

Concurrent (may be taken at same time): Requires concurrent enrollment in EDUC 458 or capstone course in department of major.

Term(s) Offered: Fall, Spring

EDUC 431 - Supervised Student Teaching in Early Childhood Education

Credits: 3-9

Teacher candidates in the final semester of their program of their program are assigned to a full-time early childhood placement for the duration of the semester. Candidates will student teach using USI's Co-Teaching model under the guidance of a classroom teacher and a university supervisor.

Prerequisite(s): Permission of the director of student teaching. All other courses toward degree must be completed before term begins.

Concurrent (may be taken at same time): Requires concurrent enrollment in EDUC 458

EDUC 437 - Classroom Management through Data-based Decision Making

Credits: 3

This course examines how assessment data can be used to inform instructional decision-making and classroom management. This course will provide candidates with the assessment tools necessary to enhance learning for diverse student populations in P-6 classrooms. Teacher candidates will conduct evidence-based assessments of student learning, analyze data collected from a variety of assessments, communicate results with stakeholders, and use data to improve teaching and classroom

management.

Prerequisite(s): Senior status and admission to Teacher Education.

Term(s) Offered: Fall, Spring, Summer

EDUC 440 - Current Trends in Reading

Credits: 3

The teaching of reading undergoes a variety of changes based on the social and political climate. This course offers the opportunity for students to explore trends and issues that are currently impacting the teaching of reading. Topics that may be explored: new instructional programs, state mandates in reading instruction, changing state and national standards, and phonics instruction.

Prerequisite(s): EDUC 398 or consent of instructor.

EDUC 443 - Production of Instructional Materials

Credits: 3

Planning, preparing, and evaluating teacher-produced software. Units include such areas as production, planning, graphic, photographic, and audio media. Production within units is based upon the individual's purposes and interests. Practical experiences in preparing software are emphasized.

Prerequisite(s): EDUC 214, or consent of instructor.

EDUC 455 - Diagnostic Teaching of Reading

Credits: 3

Emphasizes diagnostic teaching in which teachers assess reading during instruction. A model of diagnostic decision-making is presented that encourages the teacher of reading to view assessment and instruction as interacting and continuous processes. A variety of formal and informal assessment measures are studied for their assessment and instructional value.

Prerequisite(s): EDUC 398 or consent of instructor.

EDUC 458 - Seminar in Professional Education

Credits: 3

Capstone seminar open to all teaching majors and minors. This course provides a synthesis of interdisciplinary knowledge and pedagogical practices. Integrates knowledge gained from Core 39, subject area coursework, and professional education core. The course examines current issues faced by teaching professionals in today's schools.

USI Core 39: Embedded Experience-Writing.

Prerequisite(s): ENG 201 and permission of director of student teaching.

Concurrent (may be taken at same time): Concurrent enrollment in student teaching

Term(s) Offered: Fall, Spring

EDUC 460 - Seminar in Elementary Supervised Teaching

Credits: 2

Designed to develop insight during laboratory experiences of student teachers. Open to advanced teachers.

EDUC 463 - Professional Issues in Education

Credits: 3

This course, taken concurrently with student teaching, prepares secondary and all-grades candidates for Indiana licensure requirements. Candidates also learn how assessment data can be used to inform instructional decision-making, manage the classroom, and enhance learning for diverse student populations.

Co-Requisite(s) (must be taken at same time as): EDUC 473.

EDUC 465 - Instructional Technology Integration

Credits: 3

Focuses on the integration of technology into the school curriculum and explores the use of technology to enhance the teaching and learning process. Students will examine issues related to the evaluation, selection, and implementation of technology resources including software, hardware, and peripherals, the emerging technologies and trends in technology education, and various pedagogical approaches. Emphasis is placed on the design and implementation of technology-based instruction for K-12 classrooms.

Term(s) Offered: Fall, Spring, Summer

EDUC 466 - Authoring Educational Multimedia Resources

Credits: 3

Focuses on the systematic design and development of educational software and multimedia resources. Students plan instructional sequences, then apply computer programming and courseware design skills to the development of informational, instructional, and constructional resources. Internet, laserdiscs, CD-ROM, CD-audio, digitized audio, digitized still and motion video, and scanned images are incorporated into multimedia projects. Interdisciplinary multimedia thematic units also are developed.

Prerequisite(s): EDUC 214, EDUC 465, or equivalent.

EDUC 467 - The Internet in Education

Credits: 3

Focuses on the applications of Internet technology in teaching and education with emphases on resources, publication, and research. Topics include the examination of diverse Internet-based tool and information sources for teachers and learners. Students explore the Internet and create web publications applicable to professional development, student publication, school based network presence, and lesson development.

Prerequisite(s): EDUC 214, EDUC 465, or equivalent.

EDUC 468 - Instructional Technology Administration

Credits: 3

Focuses on technical and management skills needed to coordinate the technology program in a school. Technical topics include advanced instructional development, general technical troubleshooting and maintenance; and assistive technology. Management topics include technology planning, implementation, and evaluation; staff development; facilities design; budgeting, and grant writing.

Prerequisite(s): EDUC 214, EDUC 465, or equivalent.

EDUC 469 - Special Topics in Computer Education

Credits: 1-3

Explores contemporary topics or innovative developments related to the integration of computers and other technology into educational settings. Credit hours available determined by faculty.

Prerequisite(s): Consent of instructor.

Repeatability: Repeatable for maximum of five credit hours.

Term(s) Offered: Fall, Spring

EDUC 471 - Supervised Student Teaching in Elementary Education

Credits: 3-9

Teacher candidates in the final semester of their program are assigned to a full-time elementary placement for the duration of the semester. Candidates will student teach using USI's Co-Teaching model under the guidance of a classroom teacher and a university supervisor.

Prerequisite(s): Permission of the director of student teaching. All other courses toward the degree must be completed before term begins.

Concurrent (may be taken at same time): Requires concurrent enrollment in EDUC 458

Term(s) Offered: Fall, Spring

EDUC 473 - Supervised Student Teaching in Secondary or P-12 Education

Credits: 3-9

Teacher candidates in the final semester of their program are assigned to a full-time placement for the duration of the semester. Candidates will student teach using USI's Co-Teaching model under the guidance of a classroom teacher and a university supervisor.

Prerequisite(s): Permission of the director of student teaching. All other courses toward degree must be completed before term begins.

Concurrent (may be taken at same time): Requires concurrent enrollment in EDUC 437, EDUC 458 or capstone course in department of major.

Term(s) Offered: Fall, Spring

EDUC 474 - Supplemental Supervised Teaching in the Secondary School

Credits: 6

Participation and actual teaching in the secondary grades for teacher candidates completing secondary licensure only. Enrollment only by permission of director of student teaching.

Term(s) Offered: Fall, Spring

EDUC 476 - Kindergarten Practicum

Credits: 3

For students on the elementary curriculum who wish to be certified for teaching in kindergarten. Enrollment only by permission of director of student teaching.

Term(s) Offered: Fall, Spring

EDUC 478 - Supervised Teaching Elementary Reading

Credits: 3-6

Participation and actual teaching in an elementary reading setting for candidates completing the elementary reading minor. Enrollment only by permission of director of student teaching.

Term(s) Offered: Fall, Spring

EDUC 480 - Diversity in Children's Literature

Credits: 3

This course examines the representation of diverse populations in literature for children and adolescents. In the course, students have an opportunity to read a variety of multicultural books written for students in grades K-8, research authors who write and illustrate multicultural books, examine the multiple perspectives represented in books advertised as multicultural and discuss using the books in classrooms.

Prerequisite(s): Admission to Teacher Education.

EDUC 488 - The Middle School Curriculum

Credits: 3

Designed to serve the needs of those concerned with the development and organization of the middle school program. It encompasses a consideration of the theory and processes of curriculum planning and evaluation.

Prerequisite(s): EDUC 304 (may be taken concurrently) and admission to Teacher Education.

Term(s) Offered: Fall, Spring

EDUC 490 - Special Topics in Education

Credits: 1-3

Course is devoted at each offering to the study of a contemporary topic or innovative development in education. Credit hours available for each offering and course requirements are determined by the education faculty.

EDUC 493 - Content Area Reading: Differentiated Instruction

Credits: 3

Teaching techniques and materials for using reading and writing across the curriculum in middle and senior high school. The role of teachers, parents, and other relevant personnel will be investigated in relation to best practices in differentiated instruction for all learners including exceptionalities.

Prerequisite(s): EDUC 385 or (for Physical Education Teaching majors only) PET 395.

EDUC 494 - Workshop in Reading

Credits: 2

An analysis of instructional programs in content areas with emphasis on both developmental reading and remedial procedures.

EDUC 498 - Current Research in Education

Credits: 1-3

A survey of current research in education. Designed to meet individual needs of students.

EDUC 499 - Individual Study in Educational Psychology

Credits: 1-3

A survey of current research in learning. Designed to meet individual needs of students

ECE 217 - Fundamentals of Computer Programming

Credits: 1

This course covers the fundamentals of procedural computer programming with an emphasis on C language. Typical software development methodologies are presented, including common mechanisms for documentation and descriptions of program logic.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): 0.5-1.5

Term(s) Offered: Fall

ECE 241 - Digital Logic

Credits: 3

This course teaches the basics of digital logic by using computer simulations and circuit construction in laboratory experiments. Binary, octal, and hexadecimal number systems are investigated, and basic logic gates (AND, OR, NAND, NOR, and INVERTER) are discussed. Flip-flops, multiplexers, and various memory devices and their uses in logic circuitry are studied.

Prerequisite(s): MATH 111, MATH 118, MATH 215 , or MATH 230

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (2-3)

Term(s) Offered: Fall, Spring

ECE 255 - Electric Circuits

Credits: 4

Introduction to electric circuit theory and analysis for engineering majors. Topics covered include D.C. Circuits, A.C. Circuits, mesh and nodal analysis, Norton's and Thevenin's equivalent circuits, source conversions, impedance calculations, maximum power transfer, phasor and sinusoidal steady state responses.

Prerequisite(s): PHYS 206.

Co-Requisite(s) (must be taken at same time as): PHYS 206

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (3-3)

Term(s) Offered: Fall, Spring

ECE 343 - Electronics

Credits: 3

This course introduces the three basic discrete devices: the diode (both pn and zener), the bipolar junction transistor, and the field effect transistor. Device modeling, biasing techniques, frequency response, h parameters and amplifier design are discussed.

Prerequisite(s): ECE 255.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (2-3)

Term(s) Offered: Spring

ECE 344 - Integrated Circuits

Credits: 3

This course addresses integrated circuits such as operational amplifiers, 555 timers, silicon-controlled rectifiers and associated triggering devices, and their uses in electronic circuits. Emphasis is placed on circuit construction and communication skills by the use of class projects and associated technical reports and oral presentations.

Prerequisite(s): ECE 343.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (2-3)

ECE 345 - Advanced Electrical Circuits

Credits: 3

Advanced electrical circuits elective course for engineering majors. Topics covered include polyphase circuits, complex frequency and Laplace Transform, s-domain circuit analysis, series and parallel resonance, and Fourier frequency analysis. Course stresses network theorems, solution of time and frequency- domain problems. Course coverage includes transient analysis by classical and transform methods as well as basic concepts of steady state AC circuit analysis.

Prerequisite(s): ECE 255 and MATH 235.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (3-0)

Term(s) Offered: Fall

ECE 347 - Microcomputer Engineering

Credits: 3

An introduction to the concepts of microcomputers and microcontrollers including system architecture, addressing modes, assembly language programming, fixed point arithmetic, data structures and stacks, subroutines, high-level compilers, and

integrated development environments.

Prerequisite(s): ECE 241.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (2-3)

Term(s) Offered: Fall

ECE 349 - Electrical Machines

Credits: 3

D.C. motors and generators, induction and synchronous motors, and generators for single-phase and three-phase systems are studied; course emphasis is on common applications, principles of operation, and performance characteristics.

Prerequisite(s): ECE 345 (may be taken concurrently).

Co-Requisite(s) (must be taken at same time as): ECE 345

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (2-3)

Term(s) Offered: Fall

ECE 443 - Linear Control Systems

Credits: 3

A study of the fundamental concepts of linear automated control of physical systems. The course includes the following areas of study: mathematical modeling, block diagrams, frequency response analysis, root-locus analysis, time-domain analysis, stability analysis, compensation techniques, controller design, and interface transducers.

Prerequisite(s): ECE 345.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (3-0)

ECE 445 - Signals and Systems

Credits: 3

Classification, analysis, and design of systems in both the time- and frequency-domains. Continuous-time linear systems: Fourier Series, Fourier Transform, bilateral Laplace Transform. Discrete-time linear systems: difference equations, Discrete- Time Fourier Transform, bilateral z-Transform. Sampling, quantization, and discrete-time processing of continuous-time signals.

Prerequisite(s): ECE 255.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (2-3)

Term(s) Offered: Spring

ECE 447 - Embedded Systems Design

Credits: 3

This course involves the design of firmware and hardware for microprocessor-based systems, including analog and digital interfaces, system architecture, memory system design, IO structure and handshaking protocols, interrupts, timers, parallel and serial subsystems, and analog-to-digital conversion.

Prerequisite(s): ECE 347.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (2-3)

Term(s) Offered: Spring

ECE 448 - Software Engineering

Credits: 3

An introduction to software engineering principles, with emphasis on the methods, processes, tools, and metrics needed to develop quality software products and systems.

Prerequisite(s): Junior standing.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (2-3)

ECE 449 - Electrical Power

Credits: 3

Fundamental concepts of power system analysis, transmission line parameters, basic system models, steady state performance, network calculations, power flow solutions, fault studies, symmetrical components, operating strategies and control. Industry standard software, like ETAP, will be used in the course.

Prerequisite(s): ECE 349.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (2-3)

Term(s) Offered: Spring

ENGR 101 - Engineering Orientation

Credits: 1

Presentation and discussion of current professional engineering topics by faculty and guest lecturers. Student club meetings also are held during this class period. Required of all new full-time engineering, advanced manufacturing and industrial students.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (1-0)

ENGR 103 - Principles of Problem Solving

Credits: 3

Problem solving method in geometry, trigonometry, force vectors, energy, equation of linear, exponential, and power data, unit conversions, laboratory and report.

Prerequisite(s): MATH 118 or MATH 111 (may be taken concurrently).

Co-Requisite(s) (must be taken at same time as): MATH 118

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): Two hours lecture, two hours recitation/lab.

Term(s) Offered: Fall, Spring

ENGR 104 - Applied Problem Solving

Credits: 3

Problem solving using computers, flowcharts, and computer programming.

Prerequisite(s): ENGR 103, grade of C or better.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): Two hours lecture, two hours lab.

Term(s) Offered: Spring

ENGR 107 - Introduction to Engineering

Credits: 3

This course introduces students to a systematic, engineering problem-solving method. Problems have been selected to preview many of the engineering courses that the students will take as sophomores, including statics and electrical circuits. A large portion of this course is dedicated to formulating problems for computer solutions using methods such as flowcharting that can be applied to any programming language. Additionally, students learn computer programming using VISUAL BASIC and MATLAB.

Prerequisite(s): MATH 230 (may be taken concurrently), or consent of instructor.

Co-Requisite(s) (must be taken at same time as): MATH 230

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (0-6)

Term(s) Offered: Fall, Spring

ENGR 108 - Introduction to Design

Credits: 3

In this course students will learn engineering design, design process, reverse engineering, and management design projects. This is achieved by multi-week, team-oriented, hands-on design projects in the areas of civil, electrical, industrial and mechanical engineering. Simultaneously, the students learn engineering graphics and computer-aided drafting (CAD), and develop skills in engineering communications, including technical writing and oral presentations. Students also will document and defend their projects.

Prerequisite(s): ENGR 107 minimum grade of C.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (0-6)

Term(s) Offered: Fall, Spring

ENGR 202 - Introductory Engineering Methods and Applications

Credits: 3

This course introduces students to topics in engineering. Students will be exposed to engineering methods, application, design and analysis through projects. These projects are selected to introduce students to underlying scientific principles typically used in engineering. Projects will encourage students to explore connections between science and mathematics.

Prerequisite(s): MATH 203 or MATH 111

ENGR 235 - Statics

Credits: 3

Fundamentals of engineering mechanics including forces acting on bodies at rest as they apply to equilibrium of coplanar force systems, analysis of frames and trusses, non-coplanar force systems, friction, centroids, and moments of inertia. Emphasis is placed on drawing a free-body diagram, determining the equilibrium equations, and developing a logical scheme for complete analysis of an engineering statics problem.

Prerequisite(s): PHYS 205 and MATH 235.

Co-Requisite(s) (must be taken at same time as): MATH 235

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (3-0)

Term(s) Offered: Fall, Spring

ENGR 265 - Energy Systems and Sustainable Design

Credits: 3

ENGR 265 will include a survey of energy systems, energy production, and efficiencies of the various systems that are currently in use and/or are under development. It will also cover topics of energy usage, such as building systems and sustainable building design. The production, transportation and consumption of energy are some of the more important topics facing the human race, because energy touches on every facet of human existence. This course will prepare engineering students to contribute to the complex societal nature of energy production, usage, and conservation in a quantitative way.

Term(s) Offered: Fall

ENGR 275 - Dynamics

Credits: 3

Kinematics and kinetics of particles and rigid bodies using vector analysis. Topics include: force, mass, acceleration, work and energy, impulse, and momentum.

Prerequisite(s): ENGR 235 and MATH 230.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (3-0)

Term(s) Offered: Fall, Spring

ENGR 290 - High Altitude Ballooning

Credits: 1

Participation in an end-to-end engineering project as part of a team to prepare, launch, track, and recover a high-altitude helium-filled weather balloon which will carry a number of devices and experiments. Each student will be expected to contribute to at least one device or experiment, and to participate in other aspects of the pre-flight and post-flight experience. Oral presentations will be required pre-flight and post-flight.

Prerequisite(s): Consent of instructor.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (1-1)

Term(s) Offered: Spring

ENGR 291 - Experimental Design and Technical Writing

Credits: 2

This is a 2-credit hour (1 hour lecture + 2 hours laboratory per week) course designed to improve your skills as an experimenter. You will gain proficiency in designing and executing an experiment and then analyzing and presenting the results (both in written and oral form). Writing technical reports is a significant component of this course, as is technical reading related to lifelong learning and ethical responsibility.

USI Core 39: Embedded Experience-Writing.

Prerequisite(s): ENG 201 and ENGR 108.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): 1-2.

Term(s) Offered: Fall

ENGR 298 - Service Learning – Leadership & Mentoring in Engineering

Credits: 1

This course will allow the engineering student to work with high school students in project Lead the Way. Concepts involved will be team leadership, teaching and mentoring. A report of activities will be required at the end of the semester.

Prerequisite(s): Junior or senior standing in engineering.

ENGR 299 - Co-op Experience

Credits: 1

Approved investigation undertaken coincident with the co-op assignment. Evaluation based on a formal report submitted by the student.

Prerequisite(s): Sophomore standing and consent of department chair.

Term(s) Offered: Fall, Spring

ENGR 305 - Engineering Statistics

Credits: 3

Calculus-based examination of descriptive and inferential statistics. Topics covered include population and sample data analysis, discrete random variables, continuous random variables, frequency distributions, probability, hypothesis testing, analysis of variance, regression, and correlation. Computer applications for problem solution are required.

USI Core 39: Ways of Knowing-Scientific and Mathematical Inquiry.

Prerequisite(s): ENGR 107 and MATH 235.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (3-0)

Term(s) Offered: Fall, Spring

ENGR 324 - Construction Materials and Estimating

Credits: 4

A study of aggregates, concrete, steel, wood, and asphaltic materials, including concrete mix design. Additional subject matter covered will be characteristics, capabilities, and operating costs of equipment; estimation of construction costs; field inspection practices and responsibilities.

Prerequisite(s): ENGR 107 and junior standing in Engineering.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (3-3)

ENGR 335 - Engineering Economics

Credits: 3

This course is designed to provide information on the scope and application of various numerical techniques and evaluation criteria for making economic decisions. Interest rates, cash flows, depreciation, and tax implications will be covered. Methods such as present worth, annual worth, future worth, and rate-of-return will be used to make comparisons between alternatives.

Prerequisite(s): Sophomore standing and either MATH 215 or MATH 230.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (3-0)

Term(s) Offered: Fall, Spring

ENGR 353 - Entrepreneurial Feasibility Analysis

Credits: 3

This course focuses on the development of analytical skills required to examine the feasibility of a product innovation or business concept by conducting product, market, organizational, and financial research. Through prototype development, customer interaction, and secondary research, innovative ideas are first analyzed with regard to technical feasibility and commercializability. This information is then used to examine organizational and financial feasibility (i.e., profit potential), which provides the details of how the idea can be taken to market successfully.

Prerequisite(s): ENGR 108.

ENGR 355 - Strength of Materials

Credits: 4

A study of stress-strain relationship for axial, torsion, shearing, and bending loads; deflection of beams; connections; combined loadings; statically indeterminate members; and plane stress. The laboratory experience will include material testing to determine physical and mechanical properties that will reinforce the principles studied.

Prerequisite(s): ENGR 235.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (3-3)

Term(s) Offered: Fall, Spring

ENGR 362 - Manufacturing

Credits: 3

An introduction to the design and implementation of contemporary manufacturing systems. Single and multiple station, manual, mixed mode, automated, and flexible manufacturing systems are covered. Numerical analysis of these systems to determine production rates, product cost, defect rates, and efficiency will be performed. In the laboratory students will learn to program and operate various types of production hardware including robots and CNC machines.

Prerequisite(s): ENGR 107 and junior standing in engineering.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): Two hours lecture, two hours lab.

ENGR 373 - Optics

Credits: 3

An introductory course in optics covering wave propagation, interaction of electromagnetic radiation with matter, geometrical optics, polarization, interference, and diffraction. Supplementary topics from modern optics such as lasers, detectors, fiber optics, optical communications, imaging, and storage also included.

Prerequisite(s): PHYS 206 and MATH 366, or consent of instructor.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (3-0)

ENGR 375 - Fluid Mechanics

Credits: 3

Fundamentals of fluid mechanics including application of Bernoulli's equation for incompressible flow, hydrostatic forces on gates, dynamics of fluid flow, friction loss and drag, sizing of pipes and pumps, and turbo machinery. The laboratory portion requires students to design experiments to evaluate specific fluid principles and concepts with subsequent completion to reinforce the understanding of the material.

Prerequisite(s): ENGR 235.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (2-3)

Term(s) Offered: Fall, Spring

ENGR 382 - SCADA Systems Design

Credits: 3

This course covers the analysis and design of modern industrial control systems. Continuous control concepts such as loop stability and error minimization are examined through the study of proportional, integral, derivative, and advanced control algorithms and process loop tuning methods. Discrete control concepts are explored through the application of programmable logic controller situations. PC-based data acquisition and instrumentation systems also are developed.

Prerequisite(s): Junior standing in engineering or a related discipline.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (2-3)

Term(s) Offered: Fall

ENGR 390 - Special Design Projects

Credits: 3

An independent study course requiring the student to complete an assigned design project under the guidance of a faculty member. The project will require application of various analytical methods and the use of computer models or laboratory facilities. A written report is required upon completion of the design project.

Prerequisite(s): Junior standing and consent of instructor and department chair.

Term(s) Offered: Fall, Spring

ENGR 417 - Project Management

Credits: 3

This course provides students with a broad overview of the techniques of project management from an engineering perspective.

Topics will include a structured approach to project management, project life cycle, project selection and evaluation, organizational concepts in project management, project planning, conflict and negotiation, budgeting and cost estimation, scheduling, resource allocation, monitoring, project control and project termination. The objective is to gain insight into organizational issues and learn quantitative methods that are necessary for successful project management. The course has a strong emphasis on team work and student project presentations. Special purpose software such as Microsoft Project will be utilized.

Prerequisite(s): ENGR 335 and junior standing.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (3-0)

Term(s) Offered: Spring

ENGR 436 - Intermediate Statistics and Quality

Credits: 3

This course will include topics such as multiple regression, regressor significance tests, variable selection methods model adequacy and complications caused by multicollinearity. Additional topics will be Analysis of Variance (ANOVA), statistical quality control, and nonparametric statistical methods.

Prerequisite(s): ENGR 305.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (3-0)

Cross-Listed: Co-listed as Math 436.

ENGR 471 - Engineering Design and Analysis

Credits: 3

Application of the professional method to the formulation and design solution for real-world, industry-type problems. Student teams will utilize their knowledge of engineering principles as well as social and economic issues to develop, analyze, and evaluate proposed designs using experimental, computer, and numerical techniques.

Prerequisite(s): Senior standing in engineering and consent of instructor.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (3-0)

Term(s) Offered: Fall, Spring

ENGR 482 - Engineering Organization and Management

Credits: 3

An examination of the fundamental concepts of management in engineering organizations with emphasis on the relationships among types of engineering work, type of organizational structures, and managerial responsibilities. Includes study of motivation, time management, oral and written communications, engineering ethics, and lifelong learning.

Prerequisite(s): Junior standing.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (3-0)

ENGR 491 - Senior Design

Credits: 3

A course which provides an opportunity for synthesis of technical, professional, and general knowledge for engineering students. Design problems provided by industrial sponsors are studied by small teams of students to develop solutions using engineering design, while considering realistic constraints such as economic factors, safety, reliability, aesthetics, ethics, and social impact. Formal written and oral reports to faculty, industrial sponsors, and invited guests are required.

USI Core 39: Embedded Experience-Writing.

Prerequisite(s): ECE 255, ENGR 275, ENGR 305, ENGR 335, ENGR 375, ENG 201, senior standing in engineering and consent of department chair.

Term(s) Offered: Fall, Spring

ENGR 499 - Independent Study/Research

Credits: 1-3

Independent study or research into selected Engineering topics conducted under the guidance of faculty mentors.

Prerequisite(s): Consent of instructor and department chair.

Term(s) Offered: Fall, Spring

ENG 100 - Introduction to Rhetoric and Composition

Credits: 3

A portfolio-based, preparatory course in reading, writing, reflection, and discussion, emphasizing rhetorical analysis and strategies for focusing, developing, and organizing writing. Special attention also is given to strategies for revising and editing writing. Course credits will apply as electives toward graduation.

Prerequisite(s): GENS 098 or appropriate placement, based on high school GPA and standardized test scores (SAT or ACT). Basic keyboarding skills required.

Term(s) Offered: Fall, Spring, Summer

ENG 101 - Rhetoric and Composition I: Literacy and the Self

Credits: 3

A course in the critical arts of reading, writing, reflection, and discussion, with an introduction to rhetoric and informal logic.

USI Core 39: Foundations-Rhetoric and Composition I.

Prerequisite(s): ENG 100 or appropriate placement based on SAT Critical Reading and Writing Scores (or ACT equivalents), high school rank percentile, and English Department placement essay. Basic keyboarding skills required.

This course is part of the Core Transfer Library (CTL).
Indiana Statewide Common Course #: IEL 1240.
Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.
Term(s) Offered: Fall, Spring, Summer

ENG 103 - Fundamentals of Creative Writing

Credits: 1

This course, designed specifically for incoming freshmen with creative writing scholarships, teaches the fundamentals of poetry and fiction writing. Students will read and write fiction and poetry.

Term(s) Offered: Fall

ENG 105 - Introduction to Literature

Credits: 3

An introduction to literature emphasizing the ability to read critically. Topics vary.

USI Core 39: Ways of Knowing-Creative and Aesthetic Expression.

This course is part of the Core Transfer Library (CTL).
Indiana Statewide Common Course #: IEL 1270.
Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.
Term(s) Offered: Fall, Spring, Summer

ENG 201 - Rhetoric and Composition II: Literacy and the World

Credits: 3

A second course in the critical arts of reading, writing, reflection, and discussion emphasizing the responsibilities of written inquiry and structured reasoning.

USI Core 39: Foundations-Rhetoric and Composition II.

Prerequisite(s): ENG 101 or approved equivalent.

This course is part of the Core Transfer Library (CTL).
Indiana Statewide Common Course #: IEL 1241.
Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.
Term(s) Offered: Fall, Spring, Summer

ENG 205 - Introduction to English Studies and Ways of Reading

Credits: 3

ENG 205 introduces students to the major literary genres (lyric poetry, drama, and prose fiction), to significant theoretical orientations (such as formalism, reader-response, Marxism, and feminism) that establish particular ways of reading any text, and to the range of disciplines included within the study of English (including linguistics, rhetoric, writing, and the teaching of English). This course is intended to help students become more critical and informed readers, more comfortable with the terminology used across the broad spectrum of English courses, and more able to marshal technical information and apply theoretical concepts in their literary interpretations.

Prerequisite(s): ENG 201 or equivalent.

Term(s) Offered: Fall, Spring

ENG 210 - Technical Writing

Credits: 3

The fundamentals of technical communication with emphasis on clear, precise, and orderly exposition.

USI Core 39: Embedded Experience-Writing.

Prerequisite(s): ENG 201.

This course is part of the Core Transfer Library (CTL).

Indiana Statewide Common Course #: IEL 1242.

ENG 222 - Concepts of Good and Evil in Literature

Credits: 3

A study of literary works from different countries and eras that reflect on the causes, nature, and consequences of good and evil. Special focus on development of ethical principles and decision-making.

USI Core 39: Ways of Knowing-Moral and Ethical Reasoning.

Prerequisite(s): ENG 101.

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

ENG 226 - Introduction to Folklore

Credits: 3

Through the study of American Folklore in its various forms (legend, food, folk craft and art, superstition, regional dialects, etc), students will come to a better understanding of how folklore is a part of our individual, cultural, and national identities and, as a result of this knowledge, students will be better able to understand other cultures.

Prerequisite(s): ENG 201.

ENG 227 - Literature and Popular Culture

Credits: 3

Students will develop an understanding of the uses of creative expression in both the literary arts and popular culture, interpreting diverse works of art through critical reading, thinking, and writing. Topics vary.

Prerequisite(s): ENG 201.

ENG 231 - African American Literature

Credits: 3

A course which examines the African American literary tradition, covering representative works from the African pre-colonial and modern periods, nineteenth century America, the Harlem Renaissance, to the present. Included are works by African and African American authors from the oral and written traditions of poetry, prose, and drama.

USI Core 39: Embedded Experience-Diversity.

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

ENG 255 - Introduction to British Literary History

Credits: 3

This course examines the historical development of British literature, from the Anglo-Saxon invasions that catalyzed the birth of a British national identity and brought Beowulf into the literature of England, through the contentious development of this national identity into a global power, to Britain's 20th century post-colonial status. By concentrating on representative or "canonical" works as well as those conventionally underrepresented, the course will provide students with the background necessary to understand British literary works in their social, political, and cultural contexts.

Prerequisite(s): ENG 101 or equivalent.

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

Term(s) Offered: Fall, Spring

ENG 265 - Introduction to American Literary History

Credits: 3

ENG 265 provides an overview of the main currents in the development of American literature, from its beginnings in pre-colonial times through its reliance on and then struggle against British and European themes and forms, to its 20th-century development into the many voices of an uneasily multi-ethnic world power. By historically situating representative works from within the canon as well as from voices traditionally excluded or under-represented, the course will provide students with the background necessary to understand literature as the product of and often as challenging this background.

Prerequisite(s): ENG 101 or equivalent.

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

Term(s) Offered: Fall, Spring

ENG 285 - Introduction to Film

Credits: 3

An introductory examination of motion pictures as an art form. Students attend a series of selected films and discuss and evaluate them with respect to theme and technique. Critical principles are examined, and basic dramatic, literary, and photographic principles of cinema are investigated.

USI Core 39: Ways of Knowing-Creative and Aesthetic Expression.

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

Term(s) Offered: Fall, Spring

ENG 286 - Classical Mythology

Credits: 3

A study of the mythologies and legends of the Near Eastern, Cretan, Greek, Roman, and Northern European civilizations.

USI Core 39: Ways of Knowing-World Languages and Culture.

Prerequisite(s): ENG 101.

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

ENG 288 - Introduction to Women in Literature

Credits: 3

This course exposes students to a variety of texts by and about women from diverse historical periods and cultures, emphasizing issues of race, class, gender, and sexuality. Readers will discover the changing cultural norms that have defined women in different times and places. The readings will challenge students to engage with various perspectives and think critically about cultural assumptions and viewpoints.

USI Core 39: Embedded Experience-Diversity.

Prerequisite(s): ENG 101.

ENG 299 - Special topics of Literature

Credits: 3

Selected works grouped together because they all deal with the same type (e.g., Science Fiction, Satire) author(s) (Hemingway and Fitzgerald, Virginia Woolf), or concept (Alienation in Literature, Psychology and Literature). Each time this course is offered

the particular topic is announced in the class schedule. A student may take this course only once for credit as part of the English requirements, a student may take the course more than once for elective hours toward University requirements.

ENG 301 - Advanced Composition

Credits: 3

A flexible course in advanced composition emphasizing the analysis of various rhetorical situations and the cultivation of prose styles appropriate to these situations.

USI Core 39: Embedded Experience-Writing.

Prerequisite(s): ENG 201

Term(s) Offered: Fall, Spring

ENG 302 - Creative Writing

Credits: 3

Inquiry into the creative process. Students will write poems, short fiction, and dramatic scenes with critical analysis and discussion by the instructor and class.

USI Core 39: Ways of Knowing-Creative and Aesthetic Expression.

Prerequisite(s): ENG 201 or consent of instructor.

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

Term(s) Offered: Fall, Spring

ENG 303 - Poetry Workshop

Credits: 3

An intense study of poetry in which students examine poems of others and address in their own poems; issues of character, personality, image, nuance, tone, setting; and concision.

Prerequisite(s): ENG 302.

Repeatability: May be used only once for ENG major/minor requirements, but may be taken up to three times.

This course is part of the Core Transfer Library (CTL).

Indiana Statewide Common Course #: IEL 1271.

Term(s) Offered: Fall

ENG 304 - Fiction Workshop

Credits: 3

An intense study of fiction in which students examine fiction of others and write fiction of their own.

Prerequisite(s): ENG 302.

Repeatability: May be used only once for ENG major/minor requirements, but may be taken up to three times.

Term(s) Offered: Spring

ENG 305 - Creative Non-Fiction Workshop

Credits: 3

A course in which students will hone critical skills and polish their prose in the literary essay.

Prerequisite(s): ENG 302.

Repeatability: May be used only once for ENG major/minor requirements, but may be taken up to three times.

Term(s) Offered: Fall

ENG 307 - Screenwriting Workshop

Credits: 3

An intense study of screenwriting in which students examine screenplays of others and write a full-length screenplay of their own. Use only once in ENG majors/minors; for graduation, may be taken three times.

Prerequisite(s): ENG 302.

ENG 310 - Writing in the Secondary Schools

Credits: 3

A course for prospective secondary school teachers on issues related to teaching writing in grades 5-12, including writing as a process, assigning and evaluating student writing, portfolio assessment, and research as writing to learn. Students also will practice writing in a variety of modes. Required for Teacher Certification in English.

Prerequisite(s): ENG 301 or consent of instructor.

ENG 313 - Introduction to Linguistics

Credits: 3

An introduction to the discipline of linguistics, with particular attention to the following fields: historical linguistics, comparative linguistics, descriptive linguistics, semantics, applied linguistics (with special reference to education), sociolinguistics, psycholinguistics, and assorted grammatical studies.

Prerequisite(s): ENG 201 or permission of instructor.

This course is part of the Core Transfer Library (CTL).
Indiana Statewide Common Course #: IEL 1260.

ENG 314 - Survey of English Grammars

Credits: 3

Survey of the tradition of English grammatical study, including scholarly and pedagogical grammars, from the eighteenth century to the present.

Prerequisite(s): ENG 201 or consent of instructor.

ENG 316 - Critical and Investigative Writing

Credits: 3

A course aimed at developing critical thinking and investigative skill—the latter involving greater sophistication not only in secondary research but also in primary research (e.g., questionnaires, interviews, etc.). These skills are applicable whether the writing is for government agencies, non-profit organizations, research foundations, business, industry, or education.

USI Core 39: Embedded Experience-Writing.

Prerequisite(s): ENG 201.

ENG 319 - Fundamentals of Grant Writing

Credits: 3

This course studies the grant-writing process from the basic principles of grant seeker eligibility and donor research, proposal guidelines, required submission components, and follow-up procedures. The course will include the design and completion of an individual grant proposal as well as a narrowly-focused, collaborative mock proposal stressing the ability to submit a grant proposal to a private foundation, corporation, or government institution.

USI Core 39: Embedded Experience-Writing.

Prerequisite(s): ENG 201.

ENG 322 - The Short Story

Credits: 3

A chronological investigation of the development of the short story, emphasizing the short story in English but considering

European, Asian, and Latin American traditions as well.

Prerequisite(s): ENG 201 and sophomore standing.

ENG 330 - Ethnic Literature in America

Credits: 3

A survey of significant minority contributions to literature, particularly Black-American, but including Native-American, Asian-American, and Mexican-American.

USI Core 39: Embedded Experience-Diversity.

Prerequisite(s): 62 credit hours or consent of instructor.

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

Term(s) Offered: Spring

ENG 361 - Playwriting

Credits: 3

An intense study of dramaturgy in which students will write dramas of their own.

USI Core 39: Ways of Knowing-Creative and Aesthetic Expression.

Prerequisite(s): ENG 302 and THTR 102.

Cross-Listed: Cross-listed with THTR 361.

ENG 371 - Non-Western World Literature

Credits: 3

Readings in the literature and literary theory of the non-Western World. This course engages in detailed analysis of key texts written in English or English translation. Readings may be selected from the literatures of Asia, Africa, the Caribbean, and the Middle East.

USI Core 39: Embedded Experience-Global.

Prerequisite(s): ENG 201 and sophomore standing.

ENG 372 - Western World Literature

Credits: 3

Readings in the literature and literary theory of the Western World, excluding Great Britain and the United States. This course engages in detailed analysis of key texts in English translation. Readings may be selected from the literatures of the European Continent, Western Hemisphere, and Post-colonial contexts.

USI Core 39: Embedded Experience-Global.

Prerequisite(s): ENG 201 and Sophomore standing

Cross-Listed: Cross-listed with INST 372.

ENG 373 - Introduction to African Literatures

Credits: 3

Through the study of a variety of genres this course offers a detailed introduction to the literature of the different countries and peoples that make up the vast continent of Africa. We will read texts written in English or translated from French, Portuguese, Arabic and African languages. Literary theory, film and history will strengthen and support our understanding of the fiction we read.

Prerequisite(s): ENG 201.

ENG 375 - Modern Canadian Literature

Credits: 3

A study of major trends and authors in modern Canadian prose fiction from about 1930 to the present, with some consideration of cultural backgrounds.

Prerequisite(s): ENG 201 and junior standing.

ENG 381 - Medieval World Literature

Credits: 3

An introduction to Medieval World Literature in translation, including works from Europe, the Middle East, and Asia from the sixth century CE to 1400 CE. Students will read major works by Boethius, Dante, Christine de Pizan, Petrarch, Abelard and Heloise, Chretien de Troyes, Farid Ud-Din Attar, Kenko, Sei Shonagon, and Ou-Yang Hsui, as well as anonymous Irish and Anglo-Saxon texts.

Prerequisite(s): ENG 201.

ENG 382 - Literature of the Bible

Credits: 3

Literary study of selected writings of the Hebrew Bible, the Apocrypha, and the New Testament, in English translation.

Prerequisite(s): sophomore standing or consent of instructor.

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

ENG 386 - World Mythology

Credits: 3

An examination of the major cultural mythologies from around the world for cross-cultural comparisons and contrasts.

USI Core 39: Ways of Knowing-World Languages and Culture.

Prerequisite(s): ENG 201 and sophomore standing.

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

Term(s) Offered: Spring

ENG 387 - Women's Literature and Gender Issues: 19th- and 20th-Century Theory

Credits: 3

A study of significant 19th- and 20th-century works of literature and literary theory by or about women, with special emphasis on the implications of gender for art and culture.

Prerequisite(s): ENG 201 or consent of instructor.

ENG 399 - Special Topics in Creative Writing: Techniques

Credits: 3

This course is a revolving-content course on the artful use of specific techniques in creative writing through reading, writing, and workshop. Students should have workshop (ENG 303, ENG 304, or ENG 305) experience in the genre being studied, or permission of the instructor.

Prerequisite(s): ENG 302.

Repeatability: This course is repeatable for up to nine credit hours in the Creative Writing emphasis.

ENG 402 - Advanced Creative Writing

Credits: 3

An advanced course designed for students committed to writing professional poetry, or fiction. Students will be admitted by consent of the instructor and will contract with the instructor to concentrate in one of the above areas.

Prerequisite(s): ENG 302 and ENG 303 or ENG 304, or consent of instructor.

ENG 411 - Writing in the Digital Age

Credits: 3

A course in the kinds of writing made possible by computer-based composing with attention to the impact of technology and computers upon the writer's process and product. The course will cover word processing, document design, desktop publishing, hypertext, email, Internet information access, and multimedia presentation.

Prerequisite(s): ENG 301.

ENG 412 - Writing for the Professions

Credits: 3

Study of practical ways to write the specialized documentation needed for today's industry, science, research, and technical management.

Prerequisite(s): ENG 301.

ENG 413 - Theory in Rhetoric and Writing

Credits: 3

A course that examines the historical development of rhetoric and writing studies, paying special attention to current theory and pedagogy. Course includes reading in major movements from pre-process to post-process; modes of inquiry such as theoretical, historical, and empirical; and areas of special importance to today's teachers and scholars, including feminist rhetoric, culture studies, and social justice. Counts toward the directed elective requirement within the English teaching major and fulfills the directed elective/theory requirement within the Rhetoric and Writing Emphasis.

Prerequisite(s): ENG 201 and junior standing.

ENG 414 - Intercultural Technical Writing

Credits: 3

Intercultural Technical Writing will provide students with the ability to discern and conceptualize the codes, conventions, and discourse structures of differing cultures, thus enabling students to both localize and internationalize technical and professional documents. This course emphasizes that recognizing and analyzing cultural diversity is essential for successful communication within the scientific, technical, and business fields.

Prerequisite(s): ENG 201 and junior standing.

ENG 415 - History of Rhetoric

Credits: 3

An understanding and comparison of various movements in the history of rhetoric, with particular emphasis on the relationship between rhetorical strategy and one's image of human beings and on historical events which influenced rhetoric. The course aims to increase the scope of students' understanding of rhetoric and help them apply this knowledge to their own communication and to their evaluation of the communications of others.

Prerequisite(s): ENG 201 and junior standing.

Cross-Listed: Cross-listed with philosophy.

ENG 416 - Contemporary Issues in Rhetoric

Credits: 3

An intensive exploration of the 20th century's re-valuing of rhetoric as an interdisciplinary theory of language and meaning. This course complements ENG 415 - History of Rhetoric.

Prerequisite(s): ENG 205 and junior standing.

ENG 417 - History of the English Language

Credits: 3

A chronological study of the recorded history of the English language from the ninth century to the present. Detailed study of major changes in phonology, lexicon (morphology and semantics), and syntax. Attention to the notion and practice of Standard English and to the development and current state of dialects in the USA.

Prerequisite(s): ENG 201 and junior standing.

ENG 419 - Advanced Grant Writing

Credits: 3

This course applies the fundamentals and theory of grant writing to a client-based project with non-profit or not-for-profit local organizations in a service-learning environment. Students will work with the client to locate sources of funding, prepare the grant proposal, and submit the grant application to the appropriate agency. Classroom instruction will include rhetorical analysis of the grant-writing situation broadly allowing them to apply principles of effective grant writing to a specific client and grant situation. English 419 also emphasizes the effective management of collaborative writing and client-based projects.

Prerequisite(s): ENG 319 or permission of instructor.

Repeatability: This course is repeatable up to six hours for the Rhetoric and Writing emphasis.

ENG 424 - Chaucer

Credits: 3

A study of the major works of Geoffrey Chaucer, particularly *The Canterbury Tales*, with attention to the language and times of Chaucer. Includes lecture and discussion.

Prerequisite(s): 62 credit hours of credit or consent of instructor.

ENG 425 - Milton: Prose and Poetry

Credits: 3

John Milton's prose and poetry constitute essential parts of the English tradition in literature, politics, and religion. This course focuses on Milton's prose writings—e.g., *Areopagitica* and *The Tenure of Kings and Magistrates*—which have profoundly influenced both the English and American politics and on his lyric, epic, and dramatic poems, including close study of *Paradise Lost* and *Paradise Regained*.

Prerequisite(s): ENG 201 and junior standing.

ENG 426 - The Literature of the Renaissance

Credits: 3

Non-Shakespearean drama, poetry, and prose of the Renaissance. Emphasis on major figures such as Spenser, Donne, and Milton.

Prerequisite(s): Either ENG 255 and ENG 301 or consent of instructor.

ENG 427 - Neo-Classical and Eighteenth-Century Literature

Credits: 3

From Dryden to the pre-Romantics. Emphasizes poetry and changing social thought in England and America, with continental backgrounds.

Prerequisite(s): ENG 201 and junior standing.

ENG 431 - Nineteenth-Century Literature

Credits: 3

The writing of the English Romantics and Victorians and of American writers of the period, studied against the background of nineteenth-century continental writers.

Prerequisite(s): ENG 201 and junior standing.

ENG 432 - Twentieth-Century Poetry

Credits: 3

A study of representative twentieth-century poets.

Prerequisite(s): ENG 201 and junior standing.

ENG 435 - The Novel to the Twentieth Century

Credits: 3

A study of prose fiction to 1900 including the origins of the novel in the seventeenth century, the Enlightenment and Romantic Era, and the great Victorian, American, European, and Russian writers of the nineteenth century in English or in English translation.

Prerequisite(s): ENG 201 and junior standing.

ENG 436 - The Novel of the Twentieth Century

Credits: 3

A study of prose fiction after 1900, including the great Modernist writers of England and Europe along with great post-Modernist practitioners from throughout the world including Latin America, the Middle East, and Australia in English or in English translation.

Prerequisite(s): ENG 201 and junior standing.

ENG 437 - Contemporary Fiction

Credits: 3

A study of prose fiction of the recent past by practitioners from throughout the world in English or English translation.

Prerequisite(s): ENG 201 and junior standing.

ENG 442 - Literature of the Middle Ages

Credits: 3

This course covers a broad range of medieval literary forms including drama, romance, lyrics and ballads, letters, treatises, and devotional literatures of the Middle Ages.

Prerequisite(s): ENG 201 and junior standing.

ENG 444 - Literature in the Secondary Schools

Credits: 3

A course on issues related to the teaching of literature in grades 5 through 12, including censorship, literary theory, adolescent literature, multicultural literature, the ethics of reading, and the connections between reading and the other language arts: writing, speaking, and listening.

Prerequisite(s): ENG 301.

ENG 448 - Literary Criticism and Theory

Credits: 3

A study of literary criticism and aesthetic theory. Consists of a survey of literary theories, and an introduction to current critical approaches to literature.

Prerequisite(s): ENG 201 and junior standing.

ENG 449 - Major Author

Credits: 3

An intensive study of the works of a major author in fiction, poetry, drama, or nonfiction. Course may be repeated for credit as long as the student has not previously studied the author in an ENG 449.

Prerequisite(s): junior standing.

ENG 451 - Shakespeare's Histories and Tragedies

Credits: 3

An intensive study of selected histories and tragedies written by William Shakespeare.

Prerequisite(s): ENG 201 and junior standing, or consent of instructor.

Term(s) Offered: Fall

ENG 453 - Shakespeare's Comedies and Romances

Credits: 3

An intensive study of selected comedies and romances by William Shakespeare.

Prerequisite(s): ENG 201 and junior standing, or permission of the instructor.

Term(s) Offered: Spring

ENG 459 - Special Studies in English

Credits: 1-6

English studies in conjunction with special activities and events, such as seminars, conferences, field work, travel projects, and research. Semester hours of credit awarded for each offering will be determined by the instructor and the department chairperson.

Prerequisite(s): consent of instructor.

Repeatability: Repeatable for up to six hours with change of topics.

ENG 473 - History of Western Drama I

Credits: 3

Survey of representative plays from the Classics through the English Renaissance as a basis for theatrical production and dramatic criticism.

Prerequisite(s): ENG 201 and junior standing, or consent of instructor.

Cross-Listed: Cross-listed as THTR 473.

Term(s) Offered: Fall

ENG 474 - History of World Drama II

Credits: 3

A broad study of dramatic literature from 1600 to the modern period as a basis for establishing a world view through theatrical and dramatic criticism.

Prerequisite(s): ENG 201 and junior standing, or consent of instructor.

Cross-Listed: Cross-listed as THTR 474.

Term(s) Offered: Spring

ENG 480 - Independent Study

Credits: 3

Individualized study under the direction of a faculty member, leading to the production of a substantial written product. May be used to meet a requirement for the English major or minor with prior approval of the department chairperson.

Prerequisite(s): ENG 205 and junior standing.

Repeatability: A maximum of six credit hours may be earned.

ENG 490 - Practicum: Tutoring and Individualized Instruction in English

Credits: 3

A course that enables a student to gain practical experience in teaching English on a one-to-one basis while staffing the University's Writing Workshop. Tuition waiver possible. Hours do not apply to Core 39 or the English major. Students attend a weekly seminar of approximately one-and-one-half hours and tutor in the workshop.

Prerequisite(s): consent of instructor.

ENG 491 - The Writer at Work

Credits: 3

An advanced seminar for students in the Creative Writing Emphasis, involving all aspects of preparing a manuscript through actual publication. Students will complete a project demonstrating such professional competence.

Prerequisite(s): senior standing and consent of instructor.

ENG 498 - Internship in English

Credits: 3

A course granting credit for work experiences complementing the English major. The course provides for a minimum of 150 hours of supervised professional work, two written evaluations by the supervisor, an on-site visit by a University representative, maintenance of a log or portfolio, and periodic interviews with a department faculty member. Open to juniors or seniors.

Prerequisite(s): ENG 301 and consent of instructor.

Grading: Grades assigned as Satisfactory or Unsatisfactory only.

Term(s) Offered: Fall, Spring, Summer

ENG 499 - Seminar in Literature and Language

Credits: 3

An advanced topics course for majors, minors, and other qualified students.

Prerequisite(s): 62 credit hours and consent of instructor.

Repeatability: A maximum of six credit hours may be earned.

EXSC 381 - Care and Prevention of Athletic Injuries

Credits: 3

The basic fundamentals used by the athletic trainer. Major emphasis on recognition, initial care, and prevention of athletic injuries.

Prerequisite(s): Suggested BIOL 121 and BIOL 122.

Term(s) Offered: Spring

EXSC 383 - Kinesiology

Credits: 3

The study of mechanics of human body movements primarily as it relates to the interrelationships of bones, joints, and muscles.

Prerequisite(s): BIOL 121 and BIOL 122.

Term(s) Offered: Fall, Spring, Summer

EXSC 390 - Special Topics in Exercise Science

Credits: 1-3

A study of selected topics of current interest and importance in exercise science. These topics may include opportunities for students to complete research, participate in experiential learning experiences, and a wide variety of learning activities in accordance with the interests and importance of kinesiology and sport.

EXSC 391 - Biomechanics

Credits: 3

An analysis of movement tasks and their relationship to each other. To apply the kinematic (velocity and acceleration) and kinetic (force) concepts for the mechanical analysis of human movement.

Prerequisite(s): BIOL 121 and BIOL 122.

Term(s) Offered: Fall, Spring

EXSC 394 - Measurement and Evaluation

Credits: 3

This course describes the development and implementation of physical and cognitive tests in physical education and exercise science. Included in this course are techniques for data analysis and student assessment through the use of current, basic testing, and statistical procedures.

Prerequisite(s): MATH 111 or MATH 112 or MATH 114 and CIS 141 or CIS 151 or KIN 285 and Junior status.

Term(s) Offered: Fall, Spring

EXSC 397 - Physiology of Exercise

Credits: 4

This course is designed to provide students with a comprehensive introduction to the acute and chronic physiological responses and adaptations to physical activity and exercise training, as well as the effects of various factors and conditions on physical performance. Physiological principles are introduced pertaining to appropriate training programs for maximizing physical performance and lifetime physical fitness and wellness.

Prerequisite(s): BIOL 121 and BIOL 122.

Term(s) Offered: Fall, Spring, Summer

EXSC 475 - Strength and Conditioning Techniques

Credits: 3

This course will cover the techniques utilized in the field of strength and conditioning. This will include: resistance training, speed, plyometric, flexibility, and core/balance exercises and drills. Exercise choice and progression for each area will be covered.

Prerequisite(s): EXSC 391

EXSC 476 - Training Science

Credits: 3

This comprehensive course will cover the scientific components essential to employment in a strength and conditioning position. To include the application of exercise science, program design, and organization and administration.

Prerequisite(s): EXSC 397

EXSC 477 - Testing and Evaluation of Athletes

Credits: 3

This course will cover the testing and evaluation of athletes. This will include appropriate protocol selection, administration, interpretation of laboratory and field-based measurements used commonly when testing various athletic populations.

Prerequisite(s): EXSC 394

EXSC 478 - National Strength and Conditioning Certified Strength and Conditioning Specialist Exam Review

Credits: 1

This certification review course will be a review and further application of the concepts required to be certified by the National Strength and Conditioning Association as a Certified Strength and Conditioning Specialist. The exam content is focused on four areas: exercise technique, program design, organization and administration, and testing and evaluation.

Prerequisite(s): EXSC 475 , EXSC 476 and EXSC 477

EXSC 484 - Exercise Testing and Prescription

Credits: 3

A study and application of the principles, techniques, and tools used to assess levels of wellness, fitness, prescribe lifestyle modifications, and evaluate individual progress toward goals.

Prerequisite(s): EXSC 397.

Term(s) Offered: Fall, Spring

EXSC 486 - Foundations in Cardiac Rehabilitation

Credits: 3

This course provides the students with fundamental knowledge and skills related to cardiac rehabilitation with concentration on the design, implementation, and administration of the exercise component of cardiac rehabilitation programs.

Prerequisite(s): EXSC 397.

EXSC 487 - Principles and Applications of Fitness Training

Credits: 3

Students will focus on developing information geared toward fitness training methods in designing safe, effective, and goal-specific protocols for building skill-related fitness training programs for the general population and those who are athletes. Proper exercise techniques, instructional approaches, common performance errors, and client interaction will be discussed.

Prerequisite(s): BIOL 121 and BIOL 122.

Term(s) Offered: Spring

EXSC 488 - Program Design for Healthy and Special Populations

Credits: 3

The student will learn to modify exercise for individual and groups based on age, medical conditions, and special needs. The areas covered will include but are not limited to coronary heart disease, diabetes, asthmas, obesity, arthritis, pregnancy, and physically and mentally challenged.

Prerequisite(s): BIOL 121 and BIOL 122.

Term(s) Offered: Spring

EXSC 496 - Practicum in Exercise Science

Credits: 3-6

Provides students with practical experience in strength and conditioning. Students have the opportunity to assist athletic teams within intercollegiate/interscholastic departments and community facilities and/or organizations.

Prerequisite(s): EXSC 475 , EXSC 476 and EXSC 477

Grading: Satisfactory/Unsatisfactory.

Term(s) Offered: Fall, Spring, Summer

FIN 101 - Money Skills

Credits: 1

This course is a one hour reality-based personal finance course based on a 34-module curriculum. Major content areas include income, expenses, assets, liabilities, and risk management.

Term(s) Offered: Fall, Spring

FIN 201 - Fundamentals of Finance

Credits: 3

This course is designed to serve as an introduction to the field of business and personal finance. The course is geared to the specific interests of the associate degree candidates and non-business majors. Emphasis upon the source and use of funds in the area of finance. (Not open to College of Business majors in baccalaureate programs.)

Term(s) Offered: Fall

FIN 208 - Personal Financial Management

Credits: 3

The various business problems which arise in the life of the individual. Includes a study of such topics as money and credit, banking services, insurance, taxes, home ownership, and consumer protective agencies.

This course is part of the Core Transfer Library (CTL).

Indiana Statewide Common Course #: IPO 1811.

Term(s) Offered: Spring

FIN 305 - Business Finance

Credits: 3

The methods utilized by corporations in securing and utilizing capital. Major topics of interest include capital budgeting, cost of capital, capital structure, and characteristics of alternative forms of capital.

Prerequisite(s): ACCT 201, ACCT 202, ECON 265, ECON 208, ECON 209, and MATH 215.

Term(s) Offered: Fall, Spring, Summer

FIN 335 - Entrepreneurial Finance

Credits: 3

A course designed to provide critical financial knowledge and skills to those students who are interested in starting and running their own businesses. The course deals with such topics as fund-raising, cash management, budgeting, risk management, initial public offerings, and factoring.

Prerequisite(s): FIN 305.

FIN 341 - Risk and Insurance

Credits: 3

An introduction to the basic principles of, and the relationship between, risk and insurance. Emphasis is placed on the fundamentals of insurance as the major formal method for treating non-speculative risks.

Prerequisite(s): FIN 305.

FIN 343 - International Finance

Credits: 3

The study of foreign exchange markets, exchange rate determination, balance of payments, international flow and management of financial assets and various risk exposures, and the operation and effectiveness of economic policy in an open economy.

Prerequisite(s): FIN 305, or consent of instructor.

Term(s) Offered: Fall, Spring

FIN 345 - Real Estate Principles

Credits: 3

Principles of real estate. Emphasis is on location factors, market analysis, and basic problems in buying and selling real estate.

Prerequisite(s): FIN 305.

Term(s) Offered: Fall, Spring

FIN 361 - Financial Institutions

Credits: 3

The institutional structure of the financial systems. Surveys both the public and private sectors of our money and credit economy. Emphasis is placed on understanding the impact of the commercial banking system, financial intermediaries, and public finance needs upon the conduct of business finance.

Prerequisite(s): FIN 305.

Term(s) Offered: Fall, Spring

FIN 433 - Principles of Investments

Credits: 3

The essential qualities of good investments, the exchanges, and methods of trading stocks and bonds.

Prerequisite(s): FIN 305.

Term(s) Offered: Fall, Spring

FIN 461 - Financial Management

Credits: 3

A comprehensive course that gives consideration to developing sound financial policies in the firm. The course will use cases to develop concepts in such areas as capital budgeting and capital structure. Class discussion and lectures are designed to introduce decision-making techniques relevant to financial management problem-solving.

Prerequisite(s): FIN 305.

Term(s) Offered: Fall, Spring

FIN 481 - Seminar in Finance

Credits: 3

Investigation of significant topics in practice and theory in the areas of corporate financial management, money markets, investments, commercial banking, and financial institutions.

Prerequisite(s): FIN 305.

FREN 101 - Beginning French I

Credits: 3

Fundamentals of French; no previous French required. Emphasis on the four language skills of listening, speaking, reading, and writing in the cultural context of the French-speaking countries. In addition to regular class meetings, students are required to complete one hour per week in the language lab.

USI Core 39: World Languages-BA; World Language and Culture-BS; Embedded Experience Diversity.

This course is part of the Core Transfer Library (CTL).

Indiana Statewide Common Course #: IWL 1901.

Term(s) Offered: Fall

FREN 102 - Beginning French II

Credits: 3

Fundamentals of French; continuation of FREN 101. Emphasis on the four language skills of listening, speaking, reading, and writing in the cultural context of the French-speaking countries. In addition to the regular class meeting, students are required to complete one hour per week in the language lab.

USI Core 39: World Languages-BA; World Language and Culture-BS; Embedded Experience Diversity.

Prerequisite(s): FREN 101 or consent of instructor.

This course is part of the Core Transfer Library (CTL).

Indiana Statewide Common Course #: IWL 1902.

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

Term(s) Offered: Spring

FREN 203 - Intermediate French I

Credits: 3

Continuation of FREN 102. Emphasis on the four language skills of listening, speaking, reading, and writing in the cultural context of the French-speaking countries. In addition to the regular class meetings, students are required to complete one hour per week in the language lab.

USI Core 39: World Languages-BA; World Language and Culture-BS; Embedded Experience Diversity.

Prerequisite(s): FREN 102 or consent of instructor.

This course is part of the Core Transfer Library (CTL).

Indiana Statewide Common Course #: IWL 1903.

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

Term(s) Offered: Fall

FREN 204 - Intermediate French II

Credits: 3

Continuation of FREN 203. Emphasis on the four language skills of listening, speaking, reading, and writing in the cultural context of the French-speaking countries. In addition to the regular class meetings, students are required to complete one hour per week in the language lab.

USI Core 39: Ways of Knowing-World Languages and Culture; World Languages-BA; World Language and Culture-BS; Embedded Experience-Diversity.

Prerequisite(s): FREN 203 or consent of instructor.

This course is part of the Core Transfer Library (CTL).

Indiana Statewide Common Course #: IWL 1904.

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

Term(s) Offered: Spring

FREN 205 - Cultural Contexts for Conversation

Credits: 3

Intensive oral practice of French on the intermediate level. Topics include French popular culture, current events, work, and travel.

Prerequisite(s): FREN 203 or consent of instructor.

Concurrent (may be taken at same time): May be taken concurrently with FREN 204 or FREN 306.

FREN 275 - The French Film

Credits: 3

Weekly showings and discussions of French films. Analysis of thematic and artistic diversity from the early 20th century to present. (Course taught in English)

USI Core 39: Ways of Knowing-Creative and Aesthetic Expression; Embedded Experience-Global.

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

FREN 306 - Advanced French I

Credits: 3

Continuation of FREN 204. Emphasis on the four language skills of listening, speaking, reading and writing, in the cultural context of the French-speaking countries. In addition to the regular class meetings, students are required to complete one hour per week in the language lab.

USI Core 39: Ways of Knowing-World Languages and Culture; Embedded Experience-Diversity.

Prerequisite(s): FREN 204 or consent of instructor.

Term(s) Offered: Fall

FREN 307 - Advanced French II

Credits: 3

Continuation of FREN 306. Emphasis on the four language skills of listening, speaking, reading and writing, in the cultural context of the French-speaking countries. In addition to the regular class meetings, students are required to complete one hour per week in the language lab.

Prerequisite(s): FREN 306 or consent of instructor.

Term(s) Offered: Spring

FREN 308 - Francophone Cultures

Credits: 3

Study of Francophone cultures, emphasizing developments in language, literature, philosophy, the arts, politics, traditions, and institutions from the beginnings to the present. (Course taught in English)

USI Core 39: Ways of Knowing-World Languages and Culture; Embedded Experience-Global.

FREN 325 - Introduction to Francophone Literature

Credits: 3

Critical readings and literary analysis of selected French texts from the middle ages to the present in the major literary genres.

Prerequisite(s): FREN 306 or consent of instructor.

FREN 344 - Francophone Literature in Translation

Credits: 3

Study and analysis of selected Francophone literary masterworks in English translation.

FREN 365 - Introduction to Applied Linguistics

Credits: 3

Focuses on the development of language in human beings, first and second language acquisition in formal and informal settings, including computer-assisted language learning. (Course taught in English)

Prerequisite(s): Sophomore standing

FREN 415 - French Civilization

Credits: 3

Advanced study of French civilization, emphasizing development in language, literature, philosophy, the arts, politics, and institutions from the early stages to the present.

Prerequisite(s): FREN 306 or consent of instructor.

FREN 416 - 17th and 18th Centuries French Literature

Credits: 3

An examination of the major literary movements from French Classicism to the Enlightenment through the critical reading of representative texts.

Prerequisite(s): FREN 306 or consent of instructor.

FREN 417 - 19th and 20th Centuries French Literature

Credits: 3

An analysis of representative texts from Romanticism, Realism, Naturalism, Existentialism, and the Absurd.

Prerequisite(s): FREN 306 or consent of instructor.

FREN 460 - Internship in French

Credits: 1-6

An opportunity for job-related experience in the area of language studies.

Prerequisite(s): Consent of department chairperson.

Repeatability: This course may be taken for a maximum of six credit hours.

FREN 490 - Special Topics in French

Credits: 3

Specialized topics in the field of French language study, teacher preparation, culture and literature.

Prerequisite(s): Consent of instructor.

Repeatability: Students may repeat the course without limits as the topic changes.

FREN 499 - Individual Study in French

Credits: 1-3

Research or advanced study in a specific area of French literature, culture, education, or language, culminating in an analytical paper or comprehensive exam.

Prerequisite(s): Approval of department chairperson.

Repeatability: May be taken up to 6 credit hours.

GNDR 111 - Intro to Gender Studies

Credits: 3

This course is designed as an introduction to the field of gender studies and with the many ways gender is understood and examined. Lectures, offered in a team-teaching format, will be drawn from the humanities and social sciences as well as other disciplines within and beyond Liberal Arts.

USI Core 39: Ways of Knowing-Social Inquiry; Embedded Experience-Diversity.

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

Term(s) Offered: Fall, Spring

GNDR 222 - The Body in Art and Culture

Credits: 3

This course provides students with an interdisciplinary way of looking at power, privilege, and identity, among other ideas, through various cultural, gendered, and racialized constructions of the physical body. This course will use a variety of readings

and films about international body art practices to enhance the student's cultural understanding of the role the body plays in art and culture.

Prerequisite(s): ENG 201.

GNDR 333 - Perspectives on Gender

Credits: 3

Drawing from a variety of disciplines, this course is a survey of contemporary and historical theoretical perspectives on gender. Students will explore how ideas about men and women matter in terms of behavior, relationships, policies, and culture.

Prerequisite(s): GNDR 111 and junior standing, or consent of instructor.

Term(s) Offered: Spring

GNDR 449 - Special Topics: Gender Studies

Credits: 3

A means of the study of selected topics of current interest and importance in gender studies. These topics will vary in accordance with the interest of the students and the faculty.

Prerequisite(s): junior standing and GNDR 111 or consent of instructor.

Repeatability: Students may repeat the course with change in topic.

GENS 094 - ESL Intensive Course

Credits: 1

The ESL program is an intensive English program with 25 hours of instruction each week in reading, writing, speaking, listening, grammar and vocabulary. ESL techniques include cultural context students need by involving them in academic excursions, conversation partners, friendship families, and recreational activities.

GENS 095 - ESL Writing

Credits: 3

This course is designed for students whose primary language is not English. It is a discussion/practice composition course. Focus is on organization and development of information in paragraphs and short essays with emphasis on correct sentence structure. Students will have weekly written assignments.

GENS 096 - ESL Reading

Credits: 3

This course is designed for students whose native language is not English. It will enable students to improve their reading comprehension of academic materials. Class activities include in-depth discussion of reading selections and frequent written assignments.

GENS 097 - Algebra Review

Credits: 3

This non-credit course begins with a review of fractions, then moves quickly to the language of algebra including order of operations, exponents, positive and negative numbers, linear equations, and graphing. A computer component called MyMathLab is used as a supplement in this course. Credit in this course will not apply to a degree. Scientific calculators are allowed. Students whose math placement scores meet the University's established readiness level for Gens 097 may enroll. Students whose math scores are below the University's established readiness level for this course may enroll only with the permission of the Academic Skills Math Specialist.

GENS 097L - Algebra Review Supplement

Credits: 1

This course is a supplement to GENS 097: topics include concepts from beginning algebra. Concurrent enrollment in the corresponding section of GENS 097 is required. The supplemental course is recommended for those students have not passed GENS 097 on the first attempt.

GENS 098 - Strategies for Writers

Credits: 3

This non-credit course provides students opportunities to write and revise college writing assignments. Students will engage in the writing process by practicing strategies for inventing, focusing, organizing, developing, and revising their work, as well as by learning editing strategies for standard grammar and usage. Emphasis will be placed on the early stages of the writing process (generating ideas and planning) and on considering the audience for and purpose of writing. Credit in this course will not apply to a degree. Students whose high school GPA and SAT or ACT scores meet the University's established readiness level for GENS 098 may enroll in this course.

GENS 099 - Skills for College Reading

Credits: 3

This non-credit course introduces students to specific reading skills for improving literal and critical reading comprehension in preparation for the demands of college-level reading. In addition, an emphasis will be placed on vocabulary development through knowledge and skill of context clues, word awareness strategies, and through various readings. Credit in this course will not apply to a degree. Students whose SAT Critical Reading or ACT Reading scores meet the University's established level of

readiness for GENS 099 may enroll in this course. Students should not enroll in a reading-intensive class while taking this course. Students who begin their reading placement in GENS 099 will be required to enroll in the subsequent reading course, GENS 151, in order to be prepared for college-level reading.

GENS 105 - College Study Strategies

Credits: 1

This course helps incoming freshmen, current students in need of better study skills, and adults reentering or contemplating re-entry to formal education assess their current approach to studying. It offers suggestions and practice to improve study methods. The course topics include time management, note taking from lectures and textbooks, exam preparation, listening skills, memory, concentration, test anxiety, and organization. Course is open to all students for elective credit.

GENS 111 - Career Planning

Credits: 1

Confusion about career planning occurs among undergraduates as well as among individuals who have entered the working world. This course benefits any student who is undecided about a career choice. The course is designed to increase self-awareness, familiarize participants with informational resources available to help in career planning, and provide individualized assistance with career decision-making. Course is open to all students for elective credit.

GENS 151 - Academic Reading Strategies

Credits: 3

In order to be successful in college, students must be able to read, comprehend, synthesize, and process large amounts of information. This course emphasizes the before, during, and after active reading strategies necessary for learning information across the academic disciplines. In addition, students will be encouraged to become self-regulated learners and will demonstrate their understanding of the strategies through practice and application on college-level textbook reading. Students should enroll in a reading intensive course (i.e. history, sociology, political science) as a companion for applying the reading strategies. This three-credit hour course counts as elective credit toward graduation.

Prerequisite(s): Successful completion of GENS 099 or appropriate placement based on SAT Critical Reading or ACT Reading scores.

GENS 199 - Select Topics in Study Strategies

Credits: 1

This course focuses on an intensive study of specialized topics in study strategies such as advancing vocabulary, speed reading, test taking, and strengths finder. Course is open to all students and repeatable with change in course content.

GENS 399 - Field Experience

Credits: 1-3

Students who participate in a University sponsored internship or cooperative education rotation are required to register for one hour of academic credit for each semester of participation. This repeatable course is an alternative for students who elect not to enroll in their departmental internship course. The credit will apply to elective hours outside the academic major. Consent of the instructor is required.

Grading: Grades assigned as Pass/No Pass only.

GEOG 112 - Earth System Science

Credits: 3

The study of the whole Earth as a system of many interacting parts including the solar system; the Earth's internal systems and landforms; ocean, atmospheric, and climatic systems; and global ecosystems. Applies scientific method to the study of changes within and between these systems.

USI Core 39: Ways of Knowing-Scientific and Mathematical Inquiry; Natural Science (BS).

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (3-0)

This course is part of the Core Transfer Library (CTL).

Indiana Statewide Common Course #: IPS 1730.

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

Term(s) Offered: Spring

GEOG 123 - Physical Geography and Landscape Analysis of the United States

Credits: 3

An introduction to the mountains, plateaus, plains, and volcanic fields across the United States, the components that form landscape, the processes that control landscape development, the reasoning and methods used to interpret landscape evolution, the impact of climate change, landscape change, and sea level change on human beings, and the landscape history of certain areas of the United States such as the Rocky Mountains and Appalachian Mountains.

USI Core 39: Ways of Knowing-Scientific and Mathematical Inquiry; Natural Science (BS).

GEOG 214 - Meteorology

Credits: 3

Lecture and laboratory studies designed to give an understanding of the physical processes responsible for daily weather.

Prerequisite(s): three hours of geoscience or consent of instructor.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (2-1)

Term(s) Offered: Fall

GEOG 215 - Climatology

Credits: 3

Course covers classification and distribution of the world's climates; factors that control climate; changing climates, and predictions for the future.

Prerequisite(s): GEOG 112 or GEOG 214.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (3-0)

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

Term(s) Offered: Spring

GEOG 330 - World Geography

Credits: 3

An interpretation of human activities in selected world regions. Designed to assist students in acquiring certain basic ideas and supporting facts about contemporary world geography. The course surveys the importance, geographical characteristics, and basic problems of the major regions of the world.

USI Core 39: Ways of Knowing-World Languages and Culture; World Language and Culture-BS; Embedded Experience-Global.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (3-0)

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

Term(s) Offered: Fall, Spring

GEOL 101 - Prehistoric Life

Credits: 3

Scientific study of the history of life on earth with emphasis on higher vertebrate groups such as reptiles and mammals. Discussion of current theories of dinosaur habits and mass extinction.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (3-0)

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

Term(s) Offered: Fall

GEOL 108 - Earth-Space Science for Educators

Credits: 2

This course is an introductory survey of Earth-Space science, from geologic materials and processes, through oceanography and meteorology, to planetary science. Lecture is interspersed with hands-on activities intended to reinforce concepts and to provide the students with ideas for teaching their own classes. This course is for teacher candidates only.

USI Core 39: Ways of Knowing-Scientific and Mathematical Inquiry; Natural Science with Lab (BA and BS).

Prerequisite(s): Grade of C or better in CHEM 108 or CHEM 175 or CHEM 261.

GEOL 115 - Landscapes and Geology of North America

Credits: 3

A study of the geography and geology of North American landscapes with special reference to the United States. Factors in landscape development, including climate, vegetation, erosion, glaciation, tectonics, and human influences, are explored in the context of specific regions such as the Rocky Mountains, Appalachian Mountains, and Colorado Plateau.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (3-0)

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

Term(s) Offered: Fall

GEOL 121 - The Geology of Gemstones

Credits: 3

An introduction to major gemstones, their geological origin, the science of their physical properties and identification, and their role in and impact on human civilization. This course is a survey of several major concepts in physical and environmental geology through the lens of gemstones.

USI Core 39: Natural Science (BS).

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (3-0)

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

Term(s) Offered: Fall

GEOL 131 - Geology, the Environment, and Society

Credits: 3

An examination of the controls on human activity by geology, and the impact of humans on natural geologic processes. This course is a survey of fundamental geologic processes and associated hazards (earthquakes, tsunamis, eruptions, flooding, landslides) and topics such as pollution and land use planning. The course provides an opportunity to discuss, from a geologic perspective, the ramifications of and potential solutions to problems associated with Earth's resources (energy, minerals, water).

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (3-0)

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

Term(s) Offered: Spring

GEOL 132 - Volcanoes and Eruptions

Credits: 3

An introduction to volcanoes, their occurrence, different styles of eruption, and the processes that control volcanic activity, emphasizing the impacts of volcanism, both beneficial and destructive, to human beings and the global environment.

USI Core 39: Natural Science (BS).

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (3-0)

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

Term(s) Offered: Fall

GEOL 151 - Geology of America's National Parks

Credits: 4

This course examines principles of physical geology through the medium of America's national parks. Parks that were designated because of their unique geologic setting will be studied to understand the full range of geologic materials and internal Earth processes.

USI Core 39: Natural Science with Lab (BA and BS).

Prerequisite(s): MATH 100 or placement in MATH 111.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (3-2.5)

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

Term(s) Offered: Fall

GEOL 161 - Introduction to Geology

Credits: 4

This course will focus on minerals and rocks, volcanoes, Earth's internal structure, plate tectonics, and surface processes. Aspects of geology that impact society will also be addressed, such as flooding and earthquakes. The laboratory provides hands-on activities that supplement material presented in lecture.

USI Core 39: Natural Science with Lab (BA and BS).

Prerequisite(s): C or better in MATH 100, or placement in MATH 111.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (3-2.5)

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

Term(s) Offered: Fall, Spring

GEOL 162 - Historical Geology

Credits: 4

Lecture and laboratory studies of the evolution of the earth and its life forms. Techniques used to interpret Earth and life history. The concept of geologic time.

Prerequisite(s): C or better in GEOL 151 or GEOL 161.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (3-2.5)
Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.
Term(s) Offered: Spring

GEOL 217 - Earth Resources Management

Credits: 3

A survey of distribution of natural resources, with special emphasis on solutions to problems of resource scarcity. Topics include: mineral resources, soils and agriculture, surface and ground water resources, renewable and non-renewable energy and political issues and other selected components of the geosphere, atmosphere and hydrosphere. Economics, demographic, and political issues are considered as they affect resources.

Prerequisite(s): GEOL 151 and GEOL 161.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (3-0)

GEOL 234 - The Oceans: Past, Present, and Future

Credits: 3

Origin and history of the oceans, including evolution of ocean basins and sea water; causes and effects of oceanic circulation; interaction of oceans and climate; the oceans as a habitat for life; and challenges of protecting oceanic environments. Problems in exploiting the oceans for mineral wealth and food. Effects of global warming and rising sea level.

Prerequisite(s): GEOG 112 or GEOL 161, or GEOL 151 and working knowledge of basic chemistry and biology.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (3-0)
Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.
Term(s) Offered: Fall

GEOL 261 - Intermediate Geology

Credits: 3

Application of fundamental physical geology skills for majors. In this course we will focus on the observation, interpretation, and analyses of Earth materials, topographic maps, aerial photographs, geological maps, and other spatial geological data. These skills will be applied to different geological landscapes. The course has a strong field component and emphasis on written and oral communication skills in the geosciences.

Prerequisite(s): C or better in GEOL 151 or GEOL 161.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (2-3)
Term(s) Offered: Fall

GEOL 301 - Mineralogy

Credits: 4

Systematic lecture and laboratory study of minerals, including their chemical composition, atomic structure, physical properties, and conditions of formation. Laboratory emphasizes crystallography, optical properties, and hand specimen identification of common rock-forming and economic minerals.

Prerequisite(s): C or better in GEOL 151 or GEOL 161 and C or better in CHEM 175 or CHEM 261.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (3-3)

Term(s) Offered: Fall

GEOL 302 - Igneous and Metamorphic Petrology

Credits: 4

Classification, composition, texture, and origin of igneous and metamorphic rocks. Hand specimen and thin section studies.

Prerequisite(s): GEOL 301 and C or better in CHEM 261.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (3-3)

Term(s) Offered: Spring

GEOL 311 - Concepts in Environmental Science

Credits: 3

Interdisciplinary science course provides students with a synthetic view of the Earth's atmosphere, geosphere, hydrosphere, and biosphere systems. Topics include interactions of the atmosphere-ocean system, the hydrologic cycle, climate, change, applications of basic environmental principles to human induced problems, and wetland ecology. Intended for environmental science students, but also open to other students interested in the application of foundational environmental science concepts.

Prerequisite(s): GEOL 151 or GEOL 161.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (3-3).

GEOL 315 - Paleontology

Credits: 4

Study of geologically important fossil groups, including macroscopic invertebrates, micro fossils, and trace fossils, emphasizing classification paleoecology and biostratigraphy. Laboratory stresses identification of fossils in hand specimen and under the microscope.

Prerequisite(s): C or better in GEOL 162 and C or better in MATH 111 or placement into MATH 115, MATH 118, or MATH 230.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (3-3)

Term(s) Offered: Fall

GEOL 316 - Sedimentology and Stratigraphy

Credits: 4

Lecture and laboratory study of composition, texture, description lithologic classification, correlation, and paleoenvironmental interpretation of sediments and sedimentary rocks. Use of subsurface data including cores and geophysical well logs. Laboratory includes thin sections and field studies.

Prerequisite(s): C or better in GEOL 162 and GEOL 261; C or better in MATH 111 or placement into MATH 115, MATH 118, or MATH 230.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (3-3)

Term(s) Offered: Spring

GEOL 341 - Hydrology

Credits: 4

Study of the hydrologic cycle with emphasis on the ecosystem implications of hydrological processes, the effects of natural and human activities on the hydrology and water resources of an area, and related problems and solutions.

Prerequisite(s): GEOL 151 or GEOL 161.

GEOL 345 - Structural Geology

Credits: 4

Descriptive, kinematic, and dynamic analysis of geologic structures including geologic map interpretation, cross-section construction, structural analysis, stress-strain relationships, graphical methods, and the use of the Brunton compass.

Prerequisite(s): GEOL 162, GEOL 261, MATH 115 or higher.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (3-3)

Term(s) Offered: Spring

GEOL 351 - Field Geology

Credits: 4

Practice of important field techniques in field analysis of geologic materials and structures, and construction of geologic maps. Emphasis is on problem recognition, data gathering, and interpretive analysis.

Prerequisite(s): GEOL 162.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (3-1)

Term(s) Offered: Fall

GEOL 390 - Geological Field Excursion

Credits: 1-3

Integrated application of geological knowledge to specific field examples. Approximately five weeks of literature investigation of a geological terrain will be followed by a field trip to the selected area. Excursions will vary in length from one weekend to two weeks. The course is intended for geology majors, and students will need to cover expenses.

Prerequisite(s): C or better in GEOL 162 and consent of instructor.

Repeatability: A maximum of four credit hours of GEOL 390 may be counted toward completion of the geology major.

Term(s) Offered: Fall, Spring, Summer

GEOL 402 - Volcanology

Credits: 4

This course reviews the present state of knowledge about volcanic activity and hazards, with an emphasis on the methods used to study volcanoes and the significance and interpretation of volcanic rocks and deposits.

Prerequisite(s): GEOL 302.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (3-3)

Term(s) Offered: Fall

GEOL 407 - Geomorphology

Credits: 4

Discussion of surface processes and landforms created by those processes. Emphasis on the evolution of landforms and the interpretation of their origins. Major topics include tectonism, volcanism, weathering and pedological applications, fluvial, eolian, coastal, karst, and glacial processes. Course includes semester long research project applying geomorphological concepts to topics in geomorphology.

Prerequisite(s): GEOL 162, GEOL 261 and GEOL 302, or permission of instructor. Recommended: GEOL 316.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (3-3)

Term(s) Offered: Fall

GEOL 411 - Geology of Soils

Credits: 4

Lecture and laboratory studies of the influence that weathering, erosion, landform, topography, climate, flora and fauna, parent material, ground water, and time has on soil development. Soil classification, profiles, composition, chemistry, fertility, and engineering properties and uses.

Prerequisite(s): GEOG 112 or GEOL 131 or GEOL 161.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (3-3)

Term(s) Offered: On demand.

GEOL 414 - Petroleum Geology

Credits: 4

Lecture and laboratory exercises on the origin, composition, and occurrence of petroleum in the Earth's crust. Business models and economic analysis in the petroleum industry. Case history studies. Laboratory exercises stress procedures and skills used by working petroleum geologists.

Prerequisite(s): GEOL 261 and GEOL 316.

GEOL 441 - Hydrogeology

Credits: 4

Behavior and properties of water in the geologic environment. Emphasis on subsurface water, including studies of flow patterns, chemistry, behavior in various geologic materials, and pollution problems.

Prerequisite(s): GEOL 161 or GEOL 151 and CHEM 261 and MATH 230, or consent of instructor.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (3-3)

Term(s) Offered: Fall

GEOL 445 - Plate Tectonics and Crustal Evolutions

Credits: 4

The nature of continents and oceans, their current tectonic movements, and the record they provide of past tectonic movements. Includes methods to determine relative and absolute plate motion, historical account of plate tectonic theory, and application of plate tectonics to the origin and development of mountain belts.

Prerequisite(s): GEOL 345.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (3-3)

Term(s) Offered: On demand.

GEOL 455 - Global Quaternary Environmental and Geologic Change

Credits: 3

This class seeks to describe and understand the changes in global and regional geologic systems and climate that occurred during the Quaternary by investigating the types of data available, the methods of data acquisition, dating techniques and methods, and the interpretations drawn from the acquired data.

Prerequisite(s): GEOL 316, GEOL 407. Recommended: GEOL 315, GEOG 214 or GEOG 215.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (3-0)

Term(s) Offered: Spring

GEOL 460 - Internship

Credits: 1-4

Supervised learning and work experience in geology which enhances the student's understanding of and appreciation for the application of geological knowledge and skills. A report of activities will be required at the end of the semester. Students may earn from 1 to 4 credits.

Prerequisite(s): Junior or senior standing in geology and consent of instructor.

Repeatability: Students may apply a maximum of 4 hours from GEOL 460, GEOL 470, and GEOL 480 toward the degree.

GEOL 465 - Introduction to GIS

Credits: 3

Survey of computer-based techniques in the storage, retrieval, analysis, and representation of spatially distributed data. Emphasis is on application of GIS technology to problems such as geologic hazard mapping, surface runoff and erosion, contaminant transport, population density, and environmental impact assessment.

Prerequisite(s): GEOL 161 or GEOG 112, or GEOL 151 or MATH 230.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (2-3)

Term(s) Offered: On demand.

GEOL 470 - Independent Study

Credits: 1-4

This elective course may be customized for the special interest of the student. Students may complete this independent study by participating in faculty-approved supervised service delivery or outreach activity related to geology, or a literature-based paper that focuses on a topic within geology. A report of activities or a research paper will be required at the end of the semester. Students may earn from 1 to 4 credits.

Prerequisite(s): Consent of instructor

Repeatability: Students may apply a maximum of 4 hours from GEOL 460, GEOL 470, and GEOL 480 toward the degree.

GEOL 475 - Remote Sensing and Image Analysis

Credits: 3

Elements of airborne and space borne remote sensing systems, including aerial photography, radar, thermal, and multi Spectral. Emphasis on use of remotely sensed images for geological mapping, environmental monitoring, resource assessment, and land

use.

Prerequisite(s): GEOG 112 or GEOL 161, or GEOL 151 and PHYS 176 or PHYS 206.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (2-3)

Term(s) Offered: On demand.

GEOL 480 - Undergraduate Teaching in Geology

Credits: 1-2

This course is designed to give practical experience to geology and earth-space science teaching majors in the classroom. Duties involve preparation and set-up prior to class and answering student questions. Design and administration of laboratory exercises, as well as grading where appropriate, will be components of this course. A report of teaching activities will be required at the end of the semester.

Prerequisite(s): Junior or senior standing in geology and consent of instructor.

Repeatability: Students may apply a maximum of 4 hours from GEOL 460, GEOL 470, and GEOL 480 toward the degree.

GEOL 481 - Advanced Environmental Geology

Credits: 4

Selected topics dealing with environmental geology, Earth resources, and land use. The course is conducted as group discussions centered on current and classical literature followed by field experiences. Extensive individual investigation is required.

Prerequisite(s): C or better in GEOL 162; GEOL 441 is recommended.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (3-3)

Term(s) Offered: Spring

GEOL 490 - Special Topics in Geology

Credits: 1-3

Selected topics of current interest in the geologic community.

Prerequisite(s): consent of instructor.

Term(s) Offered: Fall, Spring, Summer

GEOL 499 - Independent Research

Credits: 1-4

Individual research problems in an area of common interest to student and instructor. May involve field and laboratory activities, as well as literature surveys. Final report required.

Prerequisite(s): consent of instructor.

Term(s) Offered: Fall, Spring, Summer

GERM 101 - Beginning German I

Credits: 3

Fundamentals of German; no previous German required. Emphasis on the four language skills of listening, speaking, reading, and writing in the cultural context of the German-speaking countries. In addition to regular class meetings, students are required to complete one hour per week in the language lab.

USI Core 39: World Languages-BA; World Language and Culture-BS; Embedded Experience Diversity.

This course is part of the Core Transfer Library (CTL).

Indiana Statewide Common Course #: IWL 1920.

Term(s) Offered: Fall

GERM 102 - Beginning German II

Credits: 3

Fundamentals of German; continuation of GERM 101. Emphasis on the four language skills of listening, speaking, reading, and writing in the cultural context of the German-speaking countries. In addition to regular class meetings, students are required to complete one hour per week in the language lab.

USI Core 39: World Languages-BA; World Language and Culture-BS; Embedded Experience Diversity.

Prerequisite(s): GERM 101 or consent of instructor.

This course is part of the Core Transfer Library (CTL).

Indiana Statewide Common Course #: IWL 1921.

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

Term(s) Offered: Spring

GERM 203 - Intermediate German I

Credits: 3

Continuation of GERM 102. Emphasis on the four language skills of listening, speaking, reading, and writing in the cultural context of the German-speaking countries. In addition to regular class meetings, students are required to complete one hour per week in the language lab.

USI Core 39: World Languages-BA; World Language and Culture-BS; Embedded Experience Diversity.

Prerequisite(s): GERM 102 or consent of instructor.

This course is part of the Core Transfer Library (CTL).

Indiana Statewide Common Course #: IWL 1922.

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

Term(s) Offered: Fall

GERM 204 - Intermediate German II

Credits: 3

Continuation of GERM 203. Emphasis on the four language skills of listening, speaking, reading, and writing in the cultural context of the German-speaking countries. In addition to regular class meetings, students are required to complete one hour per week in the language lab.

USI Core 39: Ways of Knowing-World Languages and Culture; World Languages-BA; World Language and Culture-BS; Embedded Experience-Diversity.

Prerequisite(s): GERM 203 or consent of instructor.

This course is part of the Core Transfer Library (CTL).

Indiana Statewide Common Course #: IWL 1923.

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

Term(s) Offered: Spring

GERM 205 - Cultural Contexts for Conversation

Credits: 3

Intensive oral practice of German on the intermediate level. May be taken concurrently with GERM 204 or GERM 306. Topics include German popular culture, current events, work, and travel.

Prerequisite(s): GERM 203 or consent of instructor.

GERM 275 - The German Film

Credits: 3

Weekly showings and discussions of German films. Analysis of the thematic and artistic diversity from its beginnings in the early 20th century to the present. (Course taught in English)

USI Core 39: Ways of Knowing-Creative and Aesthetic Expression; Embedded Experience-Global.

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

GERM 306 - Advanced German I

Credits: 3

Continuation of GERM 204. Emphasis on the four language skills of listening, speaking, reading, and writing in the cultural context of German-speaking countries. In addition to regular class meetings, students are required to complete one hour per week

in the language lab.

USI Core 39: Ways of Knowing-World Languages and Culture; Embedded Experience-Diversity.

Prerequisite(s): GERM 204 or consent of instructor.

Term(s) Offered: Fall

GERM 307 - Advanced German II

Credits: 3

Continuation of GERM 306. Emphasis on the four language skills of listening, speaking, reading, and writing in the cultural context of German-speaking countries. In addition to regular class meetings, students are required to complete one hour per week in the language lab.

Prerequisite(s): GERM 306 or consent of instructor.

Term(s) Offered: Spring

GERM 308 - Germanic Cultures

Credits: 3

Study of Germanic cultures, emphasizing developments in language, literature, philosophy, the arts, politics, traditions, and institutions from the beginnings to present. (Course taught in English)

USI Core 39: Ways of Knowing-World Languages and Culture; Embedded Experience-Global.

GERM 325 - Introduction to German Literature

Credits: 3

Critical readings and literary analysis of selected German texts from the Middle Ages to present in the major literary genres.

Prerequisite(s): GERM 306 or consent of instructor.

GERM 334 - Introduction to Modern German Drama

Credits: 3

German drama from mid-19th century to the present time, emphasizing major literary movements and recent experiments in the theatre. Application of the acquired skills are demonstrated by the student in a dramatic presentation as well as through short papers and the final exam.

Prerequisite(s): GERM 306 or consent of the instructor.

GERM 335 - German for the Professional

Credits: 3

Study of the working knowledge of the target language, cultural behaviors, and values useful in various professional fields. Course may include a service learning component.

Prerequisite(s): GERM 306 or consent of instructor.

GERM 344 - Germanic Literature in Translation

Credits: 3

Study and analysis of selected Germanic literary masterworks in English translations. (Course taught in English)

GERM 365 - Introduction to Applied Linguistics

Credits: 3

Focuses on the development of language in human beings, first and second language acquisition in formal or informal settings, including computer-assisted language learning. (Course taught in English)

Prerequisite(s): Sophomore standing

GERM 412 - Berlin: Tale of a City

Credits: 3

Study of the city of Berlin from the Weimar Republic to Nazi Germany, the Cold War and the fall of the Berlin Wall.

Prerequisite(s): GERM 306 or consent of instructor.

GERM 460 - Internship in German

Credits: 1-6

An opportunity for job-related experience in the area of language studies.

Prerequisite(s): Consent of department chairperson.

Repeatability: The course may be taken for the maximum of six credit hours.

GERM 490 - Special Topics in German

Credits: 3

Specialized topics in the field of German language study, teacher preparation, culture, and literature.

Prerequisite(s): Consent of the instructor.

Repeatability: Student may repeat the course without limit as the topic changes.

GERM 499 - Individual Study in German

Credits: 1-3

Research or advanced study in a specific area of German literature, culture, education, or language, culminating in an analytical paper or comprehensive exam.

Prerequisite(s): Approval of department chairperson.

Repeatability: May be taken up to six credit hours.

GERO 215 - Health Care Aspects of Gerontology

Credits: 3

This course focuses on aging and health. Major health problems are identified and treatment strategies are studied. The dimensions of aging are explored. Healthcare issues pertinent to the older adult are discussed.

GERO 312 - Living Well Throughout the Lifespan

Credits: 3

This course emphasizes the relationship between aging and a healthy lifestyle. Students will apply behavior modification theory to concepts of living well throughout the lifespan with an emphasis on aging well into elderhood. The student will learn about the role of nutrition, exercise, disease prevention, and social connectedness throughout the lifespan.

Prerequisite(s): GERO 215.

GERO 316 - Age Related Health Changes

Credits: 3

This course focuses on aging and health. Major health problems are identified and treatment strategies are studied.

Prerequisite(s): GERO 215.

GERO 317 - Health Care Continuum and Community Services

Credits: 3

This course examines the conceptual framework for creating an ideal integrated continuum of care, as well as information about the components for the continuum as they exist today. Students will examine the various residential options for seniors and will analyze issues of cost, access, and quality for each.

USI Core 39: Embedded Experience-Writing.

Prerequisite(s): GERO 215 and ENG 201.

GERO 318 - Healthy Aging

Credits: 3

This course emphasizes the relationship between aging and healthy lifestyle. Theories of aging and development will be reviewed. The student will learn about the role of nutrition and exercise in the older population. This knowledge will be applied by assessing an older adult's nutritional status and exercise behavior for the purpose of developing an individualized strategy for change.

Prerequisite(s): Recommended NUTR 376.

GERO 319 - Assessment and Management of Alzheimer's Disease

Credits: 3

This course focuses on assessment and management of Alzheimer's disease from diagnosis until death. Assessment and strategies identify stage of progression and are the basis for planning effective management. Management is by stage, using retrogenesis theory, and includes interventions related to environment, behavior, interaction, and medication. The course is appropriate for both formal and informal care givers.

Prerequisite(s): GERO 215 and BIOL 121 or consent of instructor.

GERO 321 - Sociological Aspects of Aging

Credits: 3

This course will examine aging in relation to social roles, processes and structures. Topics include social theories of aging, caregiving, demography, life course, retirement, death and dying, and health care systems and policy.

Prerequisite(s): GERO 215.

GERO 423 - Clinical Problems of Older Adults

Credits: 3

This course focuses on major clinical problems of older adults in society. Emphasis is on prevention, early recognition, and management of problems. Environmental, behavioral, physical, and educational approaches are included.

Prerequisite(s): GERO 215 and either GERO 316 or GERO 319.

GERO 425 - Health Facilities Administration

Credits: 3

This course focuses on the purpose, organization, and management of long-term care facilities and related organizations. The importance of long-term care facilities in the continuum of care for the elderly or developmentally disabled is examined. The typical structure, by functional area, of such a facility is presented, and federal and state regulations by area are reviewed. Contemporary issues and current legislation/regulations impacting the long-term care industry are analyzed. This course assists the student to prepare for successful completion of the federal and state examination leading to licensure as a health facilities administrator.

Prerequisite(s): HP 211 and GERO 215.

HA 405 - Health Informatics

Credits: 3

This course provides the foundation for the study of health informatics and covers topics such as health information management, clinical information systems (inpatient, outpatient, nursing, laboratory, pharmacy, radiology, etc.), decision support systems, clinical research and health-assessment systems, technology assessment, and healthcare accounting. The focus of the class content is on U. S. healthcare and the role of informatics within the U. S. system.

Prerequisite(s): HP 211.

HA 407 - Issues in Health Care Leadership

Credits: 3

This course will introduce students to the history of basic leadership theory and the leadership methods that have been found to be most effective in motivating, developing and retaining members of the highly diverse U.S. health care workforce. In addition, current and future challenges facing the health care system will be identified and evaluated to identify ways to most effectively manage and predict the needs of health care workers during this dynamic time for the industry.

Prerequisite(s): HP 211.

HA 411 - Healthcare Leadership

Credits: 3

This course includes an overview of leadership, administration, decision-making, and organization within the healthcare system. Emphasis is placed upon leadership styles and application of the functions of leadership to situations in the healthcare environment.

Prerequisite(s): HP 211.

HA 421 - Healthcare Finance

Credits: 3

This course provides an overview of financial systems. Selected healthcare financial management concepts including payment incentives, integrated systems, cost management, pricing and marketing, productivity monitoring, insurance coding, and quality improvement will be studied as they relate to various types of healthcare organizations. Selected computer applications to demonstrate budgeting, forecasting, data base integration, and variance analysis will be used.

Prerequisite(s): HP 211; ACCT 201 recommended.

HA 431 - Healthcare Quality

Credits: 3

This course will provide the knowledge base and the tools required to understand and analyze the importance of issues of quality in healthcare. Topics to be covered include: dimensions of quality care and performance, including outcomes, overuse, and under use; errors and threats to patient safety; service flaws; and forms of waste in the healthcare environment.

Prerequisite(s): HP 211.

HA 496 - Marketing and Competitive Strategy in Healthcare

Credits: 3

This course focuses on healthcare marketing and strategic planning in healthcare. The increasing complexity of the healthcare system dictates a need for an organized approach to strategy, and one that ties key market issues and needs to a definitive market position, quantifiable objectives, and finally to strategies and actions aimed at achieving the position and objectives. This course allows the student to learn such an organized approach to marketing and strategy. A strategic analysis and plan, as a means to introduce the principles and concepts of strategy applicable to healthcare, will be conducted.

Prerequisite(s): HP 211.

HP 115 - Medical Terminology For The Health Professions

Credits: 2

This course focuses on the study of the prefixes, suffixes, and root words commonly found in the field of medicine and healthcare.

This course is part of the Core Transfer Library (CTL).
Indiana Statewide Common Course #: IPO 1820.

HP 211 - The Healthcare Delivery System

Credits: 3

This course provides an overview of the healthcare delivery system from a historical, economic, legal/ethical, and political framework.

HP 225 - Pharmacology and Therapeutics

Credits: 3

This course provides an introduction to modern therapeutic drugs. Dosage forms, sources, prescriptions, and metabolism are covered first, then students study human physiological systems and the most important drugs used to affect these systems. Emergency and new drugs are included. Open to all health professions and biology students.

HP 234 - Mechanisms of Pathophysiology

Credits: 3

This course utilizes a systems approach to understand underlying mechanisms of the disease process and how these mechanisms relate to and cause overt signs and symptoms. The content emphasizes normal homeostasis controlling mechanisms and how pathophysiological mechanisms disturb homeostasis and cause dysfunction.

Prerequisite(s): an introductory BIOL or CHEM course recommended.

HP 236 - Eastern Medicine and Alternative/Complimentary Healthcare

Credits: 3

This is a course designed to study Eastern medicine and its influence on complementary healthcare therapies. Emphasis is on historical, cultural, social, research, and consumer interest influences on the evolving model of east-west healing and healthcare. Specific modalities will be studied with emphasis on utilization for self-care and their use in healthcare. Implications for changes in healthcare environments and healthcare provider roles also will be analyzed.

USI Core 39: Ways of Knowing-World Languages and Culture.

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

HP 255 - Human Sexuality: A Health Perspective

Credits: 3

This course focuses on interdisciplinary approach to the study of individual and societal determinants in the expression of human sexuality in relationship to health. Changing social values, sexual behaviors, contraception, sexually- contracted diseases, and problems in sexual development in relationship to health are explored.

HP 265 - Alcohol And Drug Abuse: A Health Perspective

Credits: 3

This course focuses on an interdisciplinary approach to the study of alcohol and drug abuse from a health perspective. Etiological theories and the physiological and social consequences of alcoholism and drug abuse are studied. Current approaches to prevention, identification, and treatment of alcoholism and drug abuse are analyzed.

HP 302 - Biostatistics

Credits: 3

The course provides students with an introduction to assessing the magnitude, reliability, validity, and precision of associations (e.g., between exposures and disease) and making inferences about target populations using data from samples in the health professions. Topics include probability and sampling distribution, research design and analysis of variance, regression and correlation, stochastic processes, and frequency distributions.

USI Core 39: Ways of Knowing-Scientific and Mathematical Reasoning.

Prerequisite(s): MATH 107, MATH 111, or MATH 114.

HP 305 - Structure and Theory: Worksite Wellness and Health Promotion

Credits: 3

This course provides the students with knowledge about health and wellness concepts and strategies to implement them in the workplace. Theoretical models will be the basis used to explore why individuals choose healthy or unhealthy behaviors and what motivates them to change their choices. Effective assessment techniques for the individual and organization will be presented. Utilization of the assessment data to develop an effective health promotion plan will be studied.

Prerequisite(s): HP 211.

HP 306 - Evaluation and Application: Worksite Wellness and Health Promotion

Credits: 3

This course provides the student with knowledge on the development of a health promotion plan for the worksite. Designing interventions to meet the needs of the workforce and the organization will be explored extensively. Examination of the evaluation process including methods, data gathering, data analysis, and outcome analysis.

Prerequisite(s): HP 305.

HP 308 - HIV/AIDS: Biological, Medical, Psychosocial, and Legal Perspectives

Credits: 3

This course provides a physiological and psychosocial base for health professionals and concerned others to provide care and support to children and adults with HIV disease. Theories and concepts relevant to the disease process and care giving will be examined.

Prerequisite(s): HP 211.

HP 314 - Audiology and Hearing Impairment

Credits: 3

This course covers topics in basic audiology and hearing impairment. Information covered will be informative for professionals who come in contact with hearing impaired individuals. Approximately five of every 1,000 babies are born with significant hearing loss. Hearing loss frequently accompanies other disabilities and is a normal development with the process of aging. Topics to be studied include: types and causes of hearing loss, social and emotional factors related to hearing loss, helpful communication strategies to use with hearing impaired persons, different types of amplification and management of such, and other equipment and services available for those who are hearing impaired.

HP 356 - Ethics and Healthcare in a Pluralistic Society

Credits: 3

The course will provide students with an ethical framework for decision-making in the context of a pluralistic society. Models and principles of ethical justification among a diversity of cultures and belief systems will be analyzed. Specific applications are made to concerns in clinical and healthcare management. Topics include the right to healthcare, community health ethics, end-of-life issues, and organizational ethics.

USI Core 39: Ways of Knowing-Moral and Ethical Reasoning; Embedded Experience-Diversity.

Prerequisite(s): Sophomore standing or consent of instructor.

HP 377 - Foundations for Health Promotion

Credits: 3

This course will present an overview of concepts relating to the emerging field of health promotion and preventative care. A review of current trends in program design and resulting behavior changes will assist students in taking responsibility for their own health as well as moving their worksites and their communities toward optimal wellness.

HP 378 - Community Health Education Methods

Credits: 3

This course focuses on the development of community and systemic strategies to improve health knowledge, attitudes, skills and behavior.

Prerequisite(s): HP 211

HP 397 - Ethical and Legal Issues in the Management of Health Services

Credits: 3

This course provides students an opportunity to examine and analyze common occurrences in the management of the healthcare system that are affected by laws, standards, and/or regulations; and which may call into question the ethical decisions leaders in healthcare organizations are frequently required to make. Particular emphasis will be placed on ethical business decisions. The role of ethics committees and institutional review boards will be addressed as they relate to both clinical decisions and the administration of healthcare facilities.

Prerequisite(s): HP 211.

HP 409 - Health Promotion and Worksite Wellness Practicum

Credits: 3

This practicum provides the student with practical experience in needs assessment, individual and organizational assessment, program planning, implementation, evaluation, and problem solving of health promotion programs. The student will complete a program negotiated with the instructor and gain additional experience under the supervision of an experienced health promotion professional.

Repeatability: Repeatable to a maximum of six credit hours

HP 480 - Internship in Health Services

Credits: 1, 2, or 3

This course provides an internship for junior or senior student Health Services majors who meet the eligibility criteria. An opportunity to gain valuable insight and understanding of current topics in the healthcare environment while they assist the healthcare business reach its organizational goals will be provided. Interns will function as valuable, student members of a

healthcare-related management team. The experience will lead students to a deeper appreciation of the nature of the healthcare field. Both leadership and team work opportunities will be sought, and the student intern will have a chance to think on his/her feet while participating in practical workplace situations. The University will work closely with the participating healthcare organization to customize an experience for the intern that meets the needs of the healthcare organization without compromising academic goals or the student's academic progress.

Prerequisite(s): consent of program chair required. Repeatable to a maximum of six credit hours.

HP 490 - Special Topics In Health Professions

Credits: 1, 2, or 3

This is an advanced course for majors in health professions. Special topics are considered.

Prerequisite(s): consent of faculty required. Repeatable to a maximum of six credit hours.

HP 492 - Transcultural Healthcare in the Global Community

Credits: 3

This multi-disciplinary course is designed for students interested in learning about transcultural populations of people and the relationship of culture to health and healthcare. Included in the course will be a visit to examine transcultural health in the global community. Service projects included during the visit will provide clinical and community education opportunities in a variety of sites and will promote interdisciplinary responses to healthcare issues in the cultural context of the community.

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

HP 498 - Current Concepts in the Health Professions

Credits: 3

This course examines the issues important to the healthcare professional from a historical, economical, legal/ethical, political, and multicultural framework. Professionalism, negotiation, change agent, leadership, role theory, and role strategies are studied in relation to the healthcare professional. Topics will be selected based upon current trends in healthcare.

USI Core 39: Embedded Experience-Writing.

Prerequisite(s): ENG 201, senior standing or consent of instructor.

HIST 101 - The United States to 1865

Credits: 3

A survey of United States history from colonial times through the Civil War. Majors in elementary education must take HIST 101 or HIST 102.

USI Core 39: Ways of Knowing-Historical Inquiry.

This course is part of the Core Transfer Library (CTL).

Indiana Statewide Common Course #: ISH 1010.

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

Term(s) Offered: Fall, Spring, Summer

HIST 102 - The United States since 1865

Credits: 3

A survey of United States history from the end of the Civil War to the present. Majors in elementary education must take HIST 101 or HIST 102.

USI Core 39: Ways of Knowing-Historical Inquiry.

This course is part of the Core Transfer Library (CTL).

Indiana Statewide Common Course #: ISH 1011.

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

Term(s) Offered: Fall, Spring, Summer

HIST 111 - World Civilizations I, Beginnings to 1500

Credits: 3

The development of the major civilizations, Western and Non-Western, from their beginnings to 1500. The cultural achievements of these civilizations are studied in their historical contexts.

USI Core 39: Ways of Knowing-Historical Inquiry.

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

Term(s) Offered: Fall, Spring, Summer

HIST 112 - World Civilizations II, 1500-Present

Credits: 3

The development of the major civilizations, Western and Non-Western, from 1500 to the present. The cultural achievements of these civilizations are studied in their historical contexts.

USI Core 39: Ways of Knowing-Historical Inquiry.

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

Term(s) Offered: Fall, Spring, Summer

HIST 130 - Issues in American History

Credits: 3

A selection of issues which focus on understanding aspects of American history within a national and global framework. This course offers first- and second-year students an alternative to HIST 101 and/or HIST 102.

USI Core 39: Ways of Knowing-Historical Inquiry.

Repeatability: May be taken twice with topic change.

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

HIST 140 - Issues in World History

Credits: 3

A selection of issues which focus on understanding particular aspects of world history within a global framework. This course offers first- and second-year students an alternative to HIST 111 or HIST 112.

USI Core 39: Ways of Knowing-Historical Inquiry.

Repeatability: May be taken twice with topic change.

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

HIST 261 - Early World History to 1300

Credits: 3

A survey of World History to 1300, emphasizing the development and exchange of representative cultural markers between major Western and non-Western civilizations. Prominence given to understanding the course of historical change by developing awareness of causality, change, continuity and historical relevance. This writing-intensive course will emphasize primary source analysis and a critical understanding of history.

Prerequisite(s): One 100-level history course and ENG 201 and history major or minor, or permission of instructor

HIST 262 - Early Modern World History, 1300 - 1700

Credits: 3

A survey of World History 1300 - 1700, emphasizing the interaction between major Western and non-Western civilizations. Prominence given to understanding the course of historical change by developing awareness of causality, change, continuity and historical relevance. This writing-intensive course will emphasize primary source analysis, and a critical understanding of history.

Prerequisite(s): One 100-level history course and ENG 201 and history major or minor or consent of instructor

HIST 263 - Modern World History, 1700 - present

Credits: 3

A survey of World History since 1700, emphasizing the interaction between major Western and non-Western civilizations. Prominence given to understanding the course of historical change by developing awareness of causality, change, continuity and historical relevance. This writing intensive course will emphasize primary source analysis and a critical understanding of history.

Prerequisite(s): One 100-level history course and ENG 201 and history major or minor, or consent of instructor

HIST 298 - Historical Methods

Credits: 3

An exploration of the principles of historical research; students will implement these with a particular focus on developing critical and analytical methodologies. Significant writing component required.

Prerequisite(s): Limited to history majors and minors, one 100- or 200-level history course, or consent of instructor.

Term(s) Offered: Fall, Spring, Summer

HIST 301 - Native American Civilizations

Credits: 3

Historical survey of early American civilizations. Emphasis is on cultural, religious, social, governmental, and economic developments. Attention is given to the historical significance of the European intrusion and the interchange of American, European, and African ideas, resources, products, and peoples.

Prerequisite(s): sophomore standing.

HIST 302 - Colonial America to 1740

Credits: 3

Analysis of European discovery and colonization of the Americas, particularly North America. Attention is given to European exploration, interaction with Native American cultures, and the beginnings of colonial development.

Prerequisite(s): sophomore standing.

HIST 303 - The American Revolution, 1740-1787

Credits: 3

A detailed history of the last decades of the English colonies in America, the forces leading to the American Revolution, and the creation of the United States up to the writing of the Constitution.

Prerequisite(s): sophomore standing.

HIST 304 - The Early American Republic, 1787-1848

Credits: 3

History of the United States from the creation of the Constitution to the end of the war with Mexico, emphasizing economic growth, territorial expansion, and social change. Substantial attention is given to slavery and antebellum reform.

Prerequisite(s): sophomore standing.

HIST 305 - Civil War America, 1848-1877

Credits: 3

A study of the United States from the end of the war with Mexico to the end of Reconstruction with emphasis on the coming and course of the Civil War and the reunion of the nation at the war's end.

Prerequisite(s): sophomore standing.

HIST 306 - The Emergence of Modern America, 1877-1914

Credits: 3

An examination of the social, economic, political, religious, and intellectual developments and controversies that helped shape modern America. Special attention is given to issues raised by industrialization, urbanization, immigration, science, and technology. The Labor, Populist, and Progressive movements are studied closely.

Prerequisite(s): sophomore standing.

HIST 307 - The United States and World War, 1914-1945

Credits: 3

American history from involvement in World War I to the end of World War II. In addition to exploring America's impact on both world wars and their consequences for United States history, the course analyzes the social, economic, cultural, intellectual, political, and diplomatic history of the interwar period, 1919-1941.

Prerequisite(s): sophomore standing.

HIST 308 - United States since 1945

Credits: 3

An introduction to American history in the years of the beginning and collapse of the Cold War. The course examines the rise and weakening of the postwar economic and social order, especially during and after the Vietnam War, Watergate, and the Middle East crises of the 1970s.

Prerequisite(s): sophomore standing.

HIST 311 - Women and Gender in America

Credits: 3

Places the experiences of American women in an international context and considers the contribution of women to American history. Particular attention is given to gender relations, the importance of race and class, and the diverse nature of women's experiences from the colonial period to the present.

Prerequisite(s): sophomore standing.

HIST 313 - Immigration and Nationality in America

Credits: 3

An exploration of the sources and patterns of immigration in American history from the early 1600s to the present. The course also treats the acculturation and assimilation of immigrants and the contributions of ethnic and racial groups to the course of American history.

Prerequisite(s): sophomore standing.

HIST 316 - The Vietnam War

Credits: 3

Explores the beginnings of U.S. involvement in Southeast Asia at the conclusion of World War II. Cold War ideologies underlying American involvement in the 1950s, escalation of the conflict in the 1960s and growing opposition to the war at home. Students will also analyze the continuing cultural impact of the war as expressed through films, literature, and monuments memorializing the war.

Prerequisite(s): HIST 102 or consent of instructor

HIST 321 - Introduction to Historic Preservation

Credits: 3

A survey of built environment history and the historic preservation movement. Structures, sites, and collections are studied in the

context of fund and museum development and management. The relationship of historic sites to local, state, and national organizations and agencies is examined. Student projects include on-site experience.

Prerequisite(s): sophomore standing.

HIST 322 - Introduction to Historical Administration

Credits: 3

An introduction to the field of Historical Administration presenting both management and historic material. The course provides an overview of the not-for-profit manager and the basic functions of the historian in public service. Includes on-site visitation and emphasis upon work areas with a historical focus.

Prerequisite(s): sophomore standing.

HIST 323 - Introduction to Archival Practices

Credits: 3

Introduction to basic principles and practices in managing archives or special collections, surveying various types of archives and repositories and concepts and methods for organization and descriptive systems used in academic, public, private, and museum collections. Exploration and analysis of new archival technologies and tools used for processing collections and increasing accessibility, and apply these principles to a service learning project based on a local archive.

Prerequisite(s): Sophomore standing.

HIST 331 - Colonial Latin American History

Credits: 3

Assesses the Spanish and Portuguese conquest and rule of the Americas; focuses on interactions between Europeans, natives, and Africans in creating colonial societies.

Prerequisite(s): sophomore standing.

HIST 332 - Modern Latin American History

Credits: 3

The main events in the history of Latin America from independence to the present, including issues of class, race, gender, and ethnicity.

Prerequisite(s): sophomore standing.

HIST 333 - Gender in Latin American History

Credits: 3

Examines the construction of gender identities over the past 500 years in Latin America.

Prerequisite(s): sophomore standing.

HIST 334 - U.S.-Latin American Relations

Credits: 3

Examines the relations between the United States and its neighbors to the south from 1820 to the present, focusing on Latin American reactions to U.S. policy and presence.

Prerequisite(s): sophomore standing.

HIST 341 - Ancient Greece to Alexander

Credits: 3

A detailed survey of the origins and flowering of Greek culture against the backdrop of its archaeology and history, 2000-338 B.C.

Prerequisite(s): sophomore standing.

Term(s) Offered: Fall

HIST 342 - The Hellenistic Age, Alexander to the Roman Conquest, 338-31 B.C.

Credits: 3

A political, economic, religious, social, and intellectual history of the Hellenistic world from 338 to 31 B.C. The course explores the massive change brought about by Alexander the Great's unification of the Near East and Greece.

Prerequisite(s): sophomore standing.

Note: This course may count in Area II or Area III of the history major or minor.

Term(s) Offered: Spring

HIST 343 - The Roman Republic

Credits: 3

An intensive study of the Roman Republican experiment in orderly representative government by law until the revolution that brought on the Roman Empire in 31 B.C.

Prerequisite(s): sophomore standing.

Term(s) Offered: Fall

HIST 344 - The Roman Empire

Credits: 3

This course studies the Roman Revolution under Augustus which transformed the Republic into the Empire, Rome's assimilation of the heterogeneous peoples of Europe and the Near East, the cultural and religious dimensions of Rome's Silver Age, and the fall of the Empire in 476 A.D.

Prerequisite(s): sophomore standing.

Term(s) Offered: Spring

HIST 345 - Medieval Europe, 500-1300

Credits: 3

The reconstruction of a new European civilization upon the ruins of the old Roman Empire through the alliance of the Greco-Roman cultural traditions, Christianity, and the vitality of the new Germanic peoples.

Prerequisite(s): sophomore standing.

HIST 346 - The Renaissance, Dante to 1600

Credits: 3

An analysis of the great intellectual outburst which produced Dante, da Vinci, Michelangelo, Machiavelli, and the beginning of the Modern era.

Prerequisite(s): sophomore standing.

HIST 347 - The Reformation, Wyclif to 1648

Credits: 3

The Protestant Reformation and the Catholic response as seen in the context of the political, social, and intellectual history of Europe.

Prerequisite(s): sophomore standing.

HIST 348 - Europe, 1648 through Napoleon

Credits: 3

A study of Absolutism, Enlightenment, and Revolution in their political, economic, religious, social, and artistic aspects, from Descartes and Newton through the French Revolution and Napoleon.

Prerequisite(s): sophomore standing.

HIST 349 - Europe, Napoleon to World War I

Credits: 3

An analysis of the impact upon Europe of Conservatism, Liberalism, and Socialism under the impetus of the Industrial Revolution. Emphasis also is upon the relationship of Social Darwinism, Imperialism, and Nationalism to the beginning of the First World War.

Prerequisite(s): sophomore standing.

HIST 351 - Europe, World War I to the Present

Credits: 3

A survey of European society, economy, and politics since 1914. Topics include World War I, Russian Revolution, rise of Fascism, World War II, Cold War, and end of the Soviet Union.

Prerequisite(s): sophomore standing.

HIST 353 - England to 1600

Credits: 3

English history from the Celtic period to 1600, with accent upon the political and cultural growth of the English nation.

Prerequisite(s): sophomore standing.

HIST 354 - Britain since 1600

Credits: 3

Examines British history beginning with the seventeenth-century origins of the modern Parliamentary state, with special consideration of the political, cultural, social, economic, imperial, and religious issues that shaped the development of the nation's

history from that time to the present.

Prerequisite(s): sophomore standing.

HIST 362 - History of Paris

Credits: 3

This course surveys the political, cultural and social history of Paris from the late Middle Ages through contemporary times. Among the topics to be covered are the roles of the Catholic Church and the French monarchy in the city's affairs; the growth in population beginning in the seventeenth century; the city's history of revolutions from 1789 through 1871; and long-term developments in architecture and urban planning. Among the political and cultural figures to be examined are Etienne Marcel, Henri IV, Louis XVI, Maximilien Robespierre, Victor Hugo, Honoré de Balzac, Louis Michel and Simone de Beauvoir.

Prerequisite(s): One 100-level history course and sophomore standing.

HIST 365 - Crusades

Credits: 3

An intensive study of the holy wars between Western Europe and Islam that took place in the Holy Land and Europe from the late eleventh century to the late fifteenth century. Special emphasis is placed on an analysis of the crusading ideal, the motivations of the crusaders, the changes in crusade ideology, as well as Muslim response to Christian military attacks. Cross-cultural exchanges between Christians, Muslims, and Jews in the territories affected by the crusades also are examined.

Prerequisite(s): sophomore standing.

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

Note: this course may count in Area II or Area III of the history major or minor.

HIST 371 - Tsarist Russia

Credits: 3

The main currents of Russia's history from earliest times to the Revolution of 1917, including the rise of autocracy and serfdom, foreign policy concerns, and the factors leading to the Revolution.

Prerequisite(s): sophomore standing.

HIST 372 - The Soviet Union

Credits: 3

A study of the Russian Revolution, Marxism-Leninism, the creation of the Stalinist system, the Cold War, and the demise of the Soviet Union.

Prerequisite(s): sophomore standing.

HIST 375 - The Middle East from the Rise of Islam to 1500

Credits: 3

Exploration of the origins and development of Islam in the context of Middle Eastern history with particular focus given to the social aspects of the Islamic community and its relations with non-members, especially Jews and Christians.

Prerequisite(s): One 100-level history course and sophomore standing

HIST 376 - The Middle East since 1500

Credits: 3

Examination of the changing relationships between the Islamic World and other peoples, especially Europeans after 1500 and the continuing evolution of Islamic identities. Includes exploration of the ongoing debate about the role of modernism, Islamic reform, and westernization within the Islamic world and the emergence of pan-Islamic and fundamentalist movements.

Prerequisite(s): One 100-level history course and sophomore standing

HIST 377 - History of Iran

Credits: 3

Study of the important political, economic and cultural role Iran has played in the development of Middle Eastern and South Asian societies from ancient times to the present, providing an important cornerstone for understanding the contemporary Middle East.

Prerequisite(s): One 100-level history course and sophomore standing

HIST 384 - History of Africa to 1800

Credits: 3

A study of African history and culture from prehistory to 1800. Emphasis is given to Africa as an integral part of world history.

Prerequisite(s): One 100-level history course and sophomore standing

HIST 385 - History of Africa since 1800

Credits: 3

A study of African history and culture since 1800, emphasizing historical and theoretical approaches to colonial and post-colonial history.

Prerequisite(s): One 100-level history course and sophomore standing

HIST 392 - History of Japan

Credits: 3

A historical survey of Japan from the origins of the Japanese people through the post-World War II period.

Prerequisite(s): sophomore standing.

HIST 393 - History of China to 1644

Credits: 3

A study of Chinese history from the Neolithic through the Ming Dynasty. Special emphasis is given to the development of Chinese society and China's role in world history.

Prerequisite(s): One 100-level history course and sophomore standing

HIST 394 - History of China since 1644

Credits: 3

In this class students will consider the history of China since 1644. Specifically, this encompasses the Qing dynasty (1644-1911), the Republican period (1911-1949), the Maoist period (1949-1976) and the current period that one might title the period of capitalist restoration (1976-present) or the post-Maoist period.

Prerequisite(s): One 100-level history course and sophomore standing

HIST 398 - Historiography

Credits: 3

The study of historical thought and writing, which will explore representative examples of the major historiographical schools, their tools, methods, and ideas as developed over time.

Prerequisite(s): HIST 298 or consent of instructor.

Term(s) Offered: Fall

HIST 400 - Topics in American History

Credits: 3

An intensive examination of a theme or an era in American history. Substantial reading, class discussion, and a major writing assignment are required. The focus of each course offering is determined by the instructor and the history department.

Prerequisite(s): HIST 101 or HIST 102, or consent of instructor.

Repeatability: May be taken twice for credit toward history major and minor.

HIST 405 - The Modern Civil Rights Movement

Credits: 3

Students will explore the radical civil rights movement of the early twentieth century, including Garveyism, the founding of the NAACP, and African-American leaders in radical working-class politics. Students will analyze American foreign policy and race relations during the Cold War, the emergence of a radical student movement and black nationalism in the 1960s and 1970s, and race relations as they stand in contemporary American politics.

Prerequisite(s): HIST 102 or consent of instructor

HIST 410 - Topics in World History

Credits: 3

An intensive examination of a theme or topic in world history. Substantial reading, class discussion, and a major writing assignment are required. The focus of each course offering is determined by the instructor and the history department.

Prerequisite(s): HIST 111 or HIST 112 or consent of instructor.

Repeatability: May be taken twice for credit toward history major or minor.

HIST 411 - Religion in America

Credits: 3

An examination of the impact of religious values and institutions on American history. Special attention is given to the rise, decline, and legacy of mainstream Protestant culture, religious pluralism in the 20th century, the religious origins of social and cultural change, the continuing importance of civil religion, and the implications of the First Amendment for religious expression in America.

Prerequisite(s): HIST 101 or HIST 102, or consent of instructor.

HIST 419 - Communal Utopias in America

Credits: 3

A study of the utopian thought and historical development of religious and social movements that have employed communal methods of organization in America from colonial times to the present. Shakers, Harmonists, Owenites, Fourierists, Mormons, Oneidans, Hutterites, and communal groups since the youth movement of the 1960s are emphasized.

HIST 420 - Topics in European History

Credits: 3

An intensive examination of a theme or an era in European history. Substantial reading, class discussion, and a major writing assignment are required. The focus of each course offering is determined by the instructor and the history department.

Prerequisite(s): HIST 111 or HIST 112, or consent of instructor.

Repeatability: May be taken twice for credit toward history major or minor.

HIST 431 - The American South

Credits: 3

A study of the American South from its colonial beginnings to the present. Southern society, economy, culture, and politics are examined to assess their influence upon the growth of the nation from the time of slavery to the era of civil rights.

Prerequisite(s): HIST 101 or HIST 102, or consent of instructor.

HIST 432 - The American West

Credits: 3

The American experience as seen through the movement of people westward with major attention given to the trans-Mississippi west.

Prerequisite(s): HIST 101 or HIST 102, or consent of instructor.

HIST 433 - American Foreign Relations to 1900

Credits: 3

The history of United States relations with foreign nations from the War of Independence to 1900. Emphasis is upon the diplomacy of the American Revolution, neutral rights, Monroe Doctrine, Manifest Destiny, territorial expansion, relations with native American tribes, Civil War, and Imperialism.

Prerequisite(s): HIST 101 or HIST 102, or consent of instructor.

Cross-Listed: Dual listing as POLS 433.

HIST 434 - American Foreign Relations Since 1900

Credits: 3

United States relations with other nations from 1900 to the present. Emphasis is upon the diplomacy of World Wars I and II, intergovernmental organizations, Latin America, the Cold War, Vietnam, China, collapse of the Soviet Union, and the Middle East.

Prerequisite(s): HIST 102, or consent of instructor.

Cross-Listed: Dual listing as POLS 434.

HIST 439 - History of Indiana

Credits: 3

A survey of the history of Indiana from early to modern times.

HIST 451 - French Revolution and Napoleon

Credits: 3

Seeks to understand how the French Revolution and Napoleon Bonaparte helped to usher in the modern world. Stresses the impact of the Enlightenment, development of political systems, and the military and diplomatic repercussions of the French Revolution and Napoleonic Empire.

Prerequisite(s): HIST 112, or consent of instructor.

HIST 452 - European Revolutions

Credits: 3

A study of Europe's extraordinary revolutionary history, emphasizing the French and Russian Revolutions and the Revolutions of 1848 and 1989. Focuses on a comparison of patterns, along with gaining an understanding of the impact of industrialization and the role of ideas.

Prerequisite(s): HIST 112, or consent of instructor.

HIST 454 - History and Film

Credits: 3

Examines film as an important factor in our understanding of the past. Explores the context in which films are produced, the interpretations of the past they offer and how audiences' historical perception is affected by films. Topics will vary.

Prerequisite(s): Any 100-level History course or consent of instructor.

Note: this course may count in Area I or Area II.

HIST 461 - Revolutionary Movements in Latin American History

Credits: 3

In Revolutionary Movements in Latin America, we will consider major historical questions such as: What constitutes a revolution? What types of revolutions are there? What is the relationship between human will (as exercised by individuals and small groups) and large scale, impersonal economic, social and cultural forces in bringing about revolutionary change? We will consider these questions in the Latin American context.

Prerequisite(s): HIST 112 or HIST 263

HIST 490 - Internship/Special Studies in History

Credits: 1-3

This course offers an internship in public and applied history through an assigned project at a historic site, museum, library, archive, or other approved institution. The course also may be used to gain credit for special studies in history associated with attending and/or participating in events such as seminars, conferences, and field work or doing honors research. Credit hours available for each offering is determined by the instructor and history department.

Prerequisite(s): HIST 111 or HIST 112, and HIST 298, or consent of instructor.

Repeatability: Course may be repeated for up to six hours credit toward history major or minor.

HIST 498 - Senior Seminar in American History

Credits: 3

A research course in selected fields of American history at the senior level. Students conduct historical research with close guidance from the instructor and write extensive, well-documented papers. HIST 498 or HIST 499 is required for history major or minor; selected sections of HIST 498 will be designed and designated for future secondary school teachers.

Prerequisite(s): HIST 298, senior standing and history major or minor or consent of instructor.

Repeatability: May be taken twice for credit toward history major or minor. If taken twice for major, or in addition to HIST 499, it will count in Elective Area I. If taken twice for minor, or taken in addition to HIST 499, it will count in Elective Area I.

Term(s) Offered: Fall, Spring

HIST 499 - Senior Seminar in World History

Credits: 3

A research course in selected fields of World History at the senior level. Students conduct historical research with close guidance from the instructor and write extensive, well-documented papers. HIST 498 or HIST 499 is required for history major or minor; selected sections of HIST 499 will be designed and designated for future secondary school teachers.

Prerequisite(s): HIST 298; senior standing and history major or minor or consent of instructor.

Repeatability: May be taken twice for credit toward history major or minor. If taken twice for major or minor, or in addition to HIST 498, it will count in Elective Area II or III, as determined by course content.

Term(s) Offered: Fall, Spring

HONS 101 - Issues for the 21st Century

Credits: 1

A seminar course which will be offered with different topics from semester to semester and perhaps in multiple sections with different topics in the same semester. Each section will be designed to serve three main purposes. They are: 1) to introduce honors students to the University's Honor Program and its curriculum, 2) to build community among students in the Honors Program, and 3) to help honors students build the cognitive skills and scholarly disposition needed to achieve their full academic potential.

Prerequisite(s): Admission to the University Honors Program

HONS 102 - Exploring Contemporary Issues

Credits: 1

A seminar course which will explore contemporary issues, with varying topics from semester to semester. Each section will help 1) introduce honors students to the University's Honors Program and its curriculum, 2) build community among students in the Honors Program, and 3) help honors students build the cognitive skills and scholarly disposition needed to achieve their full academic potential.

Prerequisite(s): Admission to the University Honors Program.

HONS 220 - Honors Seminar in the Arts: Art at the Edges

Credits: 3

This course is an introduction to looking at and understanding art. This course covers the elements and principles of design and how they are employed in the major media areas in two, three, and four dimensions. Emphasis will be placed on how visual art is a powerful means of communication from artist to viewer. The course will focus on how art interacts with other disciplines and how artists push the limits of what art is and what it can do.

Prerequisite(s): HONS 101 or HONS 102 (may be taken concurrently) or permission of instructor

HONS 291 - Seminar in Medicine

Credits: 2

This is a discussion-based course designed to provide realistic information about the practice of medicine. The emphasis is on communication with patients and between health care providers.

Prerequisite(s): admission to B/MD program and sophomore standing or consent of instructor.

Grading: Pass/No Pass

ARTH 221 - Art History I

Credits: 3

A survey of the history of primarily Western art and architecture from the prehistoric through Medieval periods. The course will focus on interpreting individual artworks from different chronological periods and regions, understanding how they are affected by their historical and cultural contexts, and how such primary source material may be used to interpret historical events and eras.

USI Core 39: Ways of Knowing-Historical Inquiry.

Prerequisite(s): ENG 101.

This course is part of the Core Transfer Library (CTL).

Indiana Statewide Common Course #: IFA 1311.

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

Term(s) Offered: Fall, Spring

ARTH 222 - Art History II

Credits: 3

A survey of the history of primarily Western art and architecture from the Renaissance to the Modern and Contemporary periods. One focus of this course will be to view and interpret artworks as products of their historical and cultural contexts. Another focus will be to examine the roots and development of the particularly modern aesthetic impulse of art as self-expression.

Prerequisite(s): ENG 101; ARTH 221 recommended.

This course is part of the Core Transfer Library (CTL).

Indiana Statewide Common Course #: IFA 1312.

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

Term(s) Offered: Fall, Spring

HUM 211 - World Humanities I

Credits: 3

A world survey of major cultural, artistic, and philosophical movements from prehistory to the 14th century methodologically grounded in literature, the arts, and philosophy.

USI Core 39: Ways of Knowing-World Languages and Culture; World Language and Culture-BS.

Prerequisite(s): ENG 101.

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

Term(s) Offered: Fall, Spring

HUM 212 - World Humanities II

Credits: 3

A world survey of major cultural, artistic, and philosophical movements from the 14th century to the contemporary period methodologically grounded in literature, the arts, and philosophy.

USI Core 39: Ways of Knowing-World Languages and Culture; World Language and Culture-BS.

Prerequisite(s): ENG 101.

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

Term(s) Offered: Fall, Spring

HUM 231 - The Western Tradition in Philosophy I

Credits: 3

An introduction to the major thought and art of Western culture through a study of the great philosophers. This course will focus on the Ancient and Medieval worlds.

Prerequisite(s): ENG 101 and CMST 101 or CMST 107 or THTR 251.

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

Term(s) Offered: Fall

HUM 232 - The Western Tradition in Philosophy II

Credits: 3

An introduction to the major thought and art of Western culture through a study of the great philosophers. This course will focus on the Renaissance, Enlightenment, and Modern worlds.

Prerequisite(s): ENG 101 and CMST 101 or CMST 107 or THTR 251.

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

Term(s) Offered: Spring

HUM 241 - The Humanistic Tradition in Literature I

Credits: 3

An introduction to world culture through a study of literature from the Ancient period to the 14th century.

USI Core 39: Ways of Knowing-World Languages and Culture; World Language and Culture-BS; Embedded Experience-Writing.

Prerequisite(s): ENG 201.

This course is part of the Core Transfer Library (CTL).

Indiana Statewide Common Course #: *IEL 1250*.

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

Term(s) Offered: Fall, Spring

HUM 242 - The Humanistic Tradition in Literature II

Credits: 3

An introduction to world culture through a study of literature from the 14th century to the contemporary period.

USI Core 39: Ways of Knowing-World Languages and Culture; World Language and Culture-BS; Embedded Experience-Writing.

Prerequisite(s): ENG 201.

This course is part of the Core Transfer Library (CTL).

Indiana Statewide Common Course #: *IEL 1251*.

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

Term(s) Offered: Fall, Spring

IME 311 - Operations Research

Credits: 3

This course will include linear programming, model formulation, the simplex method, duality, sensitivity analysis and transportation/assignment model application. Other topics of study will be integer programming and the branch-and-bound method, which will lead to dynamic (recursive) programming. The course will conclude with network modeling, and decision analysis under uncertainty and risk.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (3-0)

IME 315 - Process Improvement

Credits: 3

This course will include operations analysis, manual, cognitive, workplace, equipment, tool and environment design, methods of time study, performance ratings, and standards development will be included. The course will also cover safety, ergonomics, and

safety management.

Prerequisite(s): Junior standing in Engineering.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (3-0)

IME 331 - Introduction to Statistical Quality Control

Credits: 3

Topics include statistical process control, capability analysis, and sampling plans. Lab exercises include the data collection, develop of control charts for both variables and attributes, and capability analysis of processes and equipment. The use of calculators and various statistical software packages will be required for problem solving and report generation.

USI Core 39: Ways of Knowing-Scientific and Mathematical Inquiry.

Prerequisite(s): ENGR 305 or TECH 275.

IME 411 - Simulation Modeling and Analysis

Credits: 3

This course is designed to introduce the fundamentals of simulation and systems modeling. During the course, the student will gain experience in formulating an appropriate simulation model for a system, implementing the model as a computer program, and evaluating the output of the model. Topics covered include Monte Carlo techniques, sampling from and identifying stochastic distributions, methods of estimating performance measures from simulation outputs, practical applications, and procedures for validating and verifying simulation models. Special purpose simulation languages such as Arena and SIMAN will be utilized. Systems models will also be constructed using Microsoft Excel software.

Prerequisite(s): Junior standing in engineering and ENGR 305.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (2-3)

IME 412 - Production and Inventory Control Systems

Credits: 3

This is an introductory course in the area of production and inventory control systems. Topics to be covered include a general introduction to inventory management and production planning decisions, economic order quantities, heuristics and models for probabilistic and time-varying demand patterns, coordinated replenishment systems, aggregate planning and supply chain. The principles of lean, Six-Sigma, Material Requirements Planning (MRP) and Enterprise Resource Planning (ERP) will also be discussed.

Prerequisite(s): Junior Standing in Engineering and ENGR 305.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (3-0)

IME 414 - Process and Facility Design

Credits: 3

This course develops an understanding of key strategic issues on facility design (e.g., product flow and waste elimination). Emphasis is on designing lean industrial facilities through the design of value-added manufacturing/assembly, material handling, and storage operations and the implementation of effective manufacturing support systems. Two other topics to be covered are plant layout and facility location. Special attention is given to the plant layout topic as it is critical to ensure continuous product flow. Case studies and practical examples are used to illustrate the application of the theoretical concepts taught in class.

Prerequisite(s): ENGR 305.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (3-0)

IME 419 - Transportation and Logistics

Credits: 3

This course provides an overview of key concepts in supply chain management directly related to transportation and logistics. Emphasis is on the strategic importance of creating value in those areas (i.e., transportation and logistics) through the systematic study of theoretical principles in transportation management, distribution, and warehousing. The adoption of best practices including the use of third-party logistics providers (3PL) is also covered. The role of information technology to enable improvements in transportation and warehousing is reviewed. Case studies and practical examples are extensively used to illustrate how to address operational issues in transportation, distribution, and warehousing to effectively increase supply chain responsiveness and performance and improve customer satisfaction.

Prerequisite(s): ENGR 305.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (3-0)

INST 101 - Introduction to International Studies

Credits: 3

An interdisciplinary introduction to International Studies with focus on globalization and cultural diversity.

Prerequisite(s): ENG 100 or ENG 101 or placement into ENG 100 or ENG 101.

INST 185 - Introduction to Africa

Credits: 3

This course is designed to introduce students to various aspects of Africa and its people including, but not limited to: geography, history, language, culture, religion, politics, economics, literature, and current events. An interdisciplinary approach will be utilized to address the diversity and complexity of the study of Africa and its peoples.

INST 213 - Magic in Arts/Humanities

Credits: 3

A survey of world magic, its origins and influence on literature, architecture, art, music, theatre, film, religion, and medicine from antiquity to present.

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

INST 302 - Travel Writing

Credits: 3

An in-depth study of travel writing, culture, and politics of field study, with original travel writing. Students will read essays written by travelers as well as postcolonial theory of travel writing, do directed research in the culture of choice and travel, and write, revise, and complete four essays associated with travel and study abroad. May be taken online during the semester of study abroad. Students taking the course while studying abroad will use email or blackboard for peer review, editing, and exchange of research and original materials.

Prerequisite(s): consent of instructor.

INST 371 - Non-Western World Literature

Credits: 3

Readings in the literature and literary theory of the non-Western World. This course engages in detailed analysis of key texts written in English or English translation. Readings may be selected from the literatures of Asia, Africa, the Caribbean and the Middle East.

Prerequisite(s): ENG 201 and sophomore standing.

Cross-Listed: Cross-listed with ENG 371.

INST 372 - Western World Literature

Credits: 3

Readings in the literature and literary theory of the Western World, excluding Great Britain and the United States. This course engages in detailed analysis of key texts in English translation. Readings may be selected from the literatures of the European Continent, Western Hemisphere, and Post-colonial contexts.

Prerequisite(s): ENG 201 and Sophomore standing

Cross-Listed: Cross-listed with ENG 372

INST 470 - Special Topics in International, Interdisciplinary Studies

Credits: 3

A course designed for study of interdisciplinary special topics with an international context.

Prerequisite(s): Junior or senior standing and permission of instructor.

Repeatability: May be taken as often as topics vary.

INST 473 - International Law

Credits: 3

A systematic study of the origins, objects, sources, and theories of international law. Foremost in importance is the aim to enable students to analyze basic premises and principles of international law and to develop an awareness of the major international legal problems.

Prerequisite(s): POLS 271.

Cross-Listed: POLS 473.

INST 480 - Internship in International Studies

Credits: 3-6

This course grants credit for internships related to the International Studies major.

Prerequisite(s): Junior or senior standing and consent of instructor and program director.

Repeatability: Course may be repeated for up to six hours of credit.

INST 490 - Independent Study in International Studies

Credits: 3

This course includes research in a specific area of interdisciplinary, international studies culminating in an analytical paper.

Prerequisite(s): Consent of instructor.

Repeatability: May be repeated for up to six hours of credit.

INST 497 - International Studies Capstone

Credits: 3

An in-depth interdisciplinary study of a variety of topics within the field of International Studies. Coursework requires submission of a cumulative portfolio exhibiting work from previous courses taken in the major.

Prerequisite(s): INST 101 and junior or senior standing, and by permission of instructor.

INST 499 - International Field Experience

Credits: 3

Intensive field experience in a contractual activities involving research, education, or applied studies focus.

Prerequisite(s): consent of instructor.

IPH 401 - Interprofessional Perspectives on Global Health

Credits: 3

This course will introduce students to interprofessional perspectives on global health in four broad modules: Globalization, Health, Systems and Policy. The course will draw from a range of academic disciplines at USI and from the Office of International Programs and International Partner universities. The applications from each module will situate the concept and practice of global health as a statement that health is a fundamental quality of liberty and equity.

USI Core 39: Embedded Experience-Global.

Prerequisite(s): Must have completed 45 hours or more.

JPN 101 - Beginning Japanese I

Credits: 3

Fundamentals of Japanese; no previous Japanese required. Emphasis on the four language skills of listening, speaking, reading, and writing in the cultural context of Japan. In addition to regular class meetings, students are required to complete one hour per week in the language lab.

USI Core 39: World Languages-BA; World Language and Culture-BS; Embedded Experience Diversity.

Term(s) Offered: Fall

JPN 102 - Beginning Japanese II

Credits: 3

Fundamentals of Japanese; continuation of JPN 101. Emphasis on the language skills of listening, speaking, reading, and writing in the cultural context of Japan. In addition to regular class meetings, students are required to complete one hour per week in the language lab.

USI Core 39: World Languages-BA; World Language and Culture-BS; Embedded Experience Diversity.

Prerequisite(s): JPN 101 or consent of instructor.

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

Term(s) Offered: Spring

JPN 203 - Intermediate Japanese I

Credits: 3

A continuation of JPN 102. Emphasis on the four language skills of listening, speaking, reading, and writing in the cultural context of Japan. In addition to regular class meetings, students are required to complete one hour per week in the language lab.

USI Core 39: World Languages-BA; World Language and Culture-BS; Embedded Experience Diversity.

Prerequisite(s): JPN 102 or consent of instructor.

Term(s) Offered: Fall

JPN 204 - Intermediate Japanese II

Credits: 3

A continuation of JPN 203. Emphasis on the four language skills of listening, speaking, reading, and writing in the cultural context of Japan. In addition to regular class meetings, students are required to complete one hour per week in the language lab.

USI Core 39: Ways of Knowing-World Languages and Culture; World Languages-BA; World Language and Culture-BS; Embedded Experience-Diversity.

Prerequisite(s): JPN 203 or consent of instructor.

Term(s) Offered: Spring

JPN 205 - Cultural Contexts for Conversation

Credits: 3

Intensive oral practice of Japanese on the intermediate level. Topics include Japanese popular culture, current events, work, and travel.

Prerequisite(s): JPN 203 or consent of instructor.

Concurrent (may be taken at same time): May be taken concurrently with JPN 204 or JPN 306.

JPN 255 - Japanese Civilization

Credits: 3

Study of Japanese civilization, emphasizing developments in language, literature, philosophy, the arts, politics, traditions, and institutions from the early stages to the present. (Course taught in English)

JPN 306 - Advanced Japanese I

Credits: 3

A continuation of JPN 204. Emphasis on the four language skills of listening, speaking, reading, and writing in the cultural context of Japan. In addition to regular class meetings, students are required to complete one hour per week in the language lab.

USI Core 39: Ways of Knowing-World Languages and Culture; Embedded Experience-Diversity.

Prerequisite(s): JPN 204 or consent of instructor.

Term(s) Offered: Fall

JPN 307 - Advanced Japanese II

Credits: 3

A continuation of JPN 306. Emphasis on the four language skills of listening, speaking, reading, and writing in the cultural context of Japan. In addition to regular class meetings, students are required to complete one hour per week in the language lab.

Prerequisite(s): JPN 306 or consent of instructor.

Term(s) Offered: Spring

JPN 499 - Individual Study in Japanese

Credits: 1-3

Research or advanced study in a specific area of Japanese, literature, culture, education, or language, culminating in an analytical paper or comprehensive exam.

Prerequisite(s): Approval of department chairperson.

Repeatability: May be taken for up to six credit hours.

JRN 180 - Journalism Workshop

Credits: 1

Credit for adequate work toward final publication of The Shield newspaper, its Internet site, or for an approved CAP course, doing writing, editing, photography, layout, graphics, sales, and/or management.

Repeatability: Students may earn up to three hours credit for this course, but may enroll for no more than one credit hour per semester. No more than three credit hours may be applied to a major or minor in Communications.

Term(s) Offered: Fall, Spring

JRN 273 - Digital Photography

Credits: 3

Development in basic skills of mass media photography in a digital environment. Students will use a digital camera to take color photographs and then crop, edit, and produce those photographs in a digital computer laboratory. Emphasis will be on the needs of professional photography as used in print and electronic media. Ownership of or access to an acceptable digital camera is required. No camera phones allowed.

Term(s) Offered: Fall, Spring

JRN 281 - Basic Reporting

Credits: 3

Basic fundamentals of how to gather and report news events for the mass media in such a way as to be meaningful to the public. Stress is on the need for developing writing skills, learning technical terms, writing feature stories and other materials in a newspaper.

Term(s) Offered: Fall, Spring

JRN 371 - Advanced Photography

Credits: 3

Students will develop advanced skills in news judgment, composition, composites, animation, and special effects photography. They will learn how to design web pages that use interactive sites and 360-degree photo techniques and will produce a portfolio of digital images.

Prerequisite(s): JRN 273 (grade of C or better), and ENG 101 (grade of C or better) and ENG 201 (grade of C or better) or consent of instructor.

JRN 374 - Internet Communications

Credits: 3

History of Internet, how it works, how to do effective data searches, building web sites and home pages, establishing links, importing graphics, effective layout and design, scanning photos, doing in-depth research, ethics, legal concerns, and specialty uses.

Prerequisite(s): JRN 281 (grade of C or better), or ADV 347 (grade of C or better), or CMST 301 (grade of C or better), or PRL 362 (grade of C or better), or RTV 256 (grade of C or better), or consent of instructor.

Term(s) Offered: Fall, Spring

JRN 381 - Advanced Reporting

Credits: 3

An advancement of skills and knowledge gained in basic reporting. Students will concentrate on covering specific beats and generating their own news stories. They will be responsible for assigned beats, learn how to develop sources, and track down rumors as part of the beat reporting process. In addition, students will discuss journalistic issues such as libel, ethics, plagiarism, invasion of privacy, and investigative techniques.

Prerequisite(s): COMM 192 (grade of C or better) and JRN 281 (grade of C or better) and ENG 101 (grade of C or better) and ENG 201 (grade of C or better).

Term(s) Offered: Fall

JRN 383 - Editorial Writing

Credits: 3

Instruction and practice in writing editorials. Lectures, readings, and reports directed toward discovering, gathering, organizing, and writing opinion page material.

Prerequisite(s): ENG 101 (grade of C or better) and ENG 201 (grade of C or better).

Term(s) Offered: Fall

JRN 384 - Feature Writing

Credits: 3

Instruction and practice in writing feature articles for newspapers and magazines. Students will be directed to submit articles for publication in magazines.

Prerequisite(s): ENG 101 (grade of C or better) and ENG 201 (grade of C or better) and junior standing or consent of instructor.

Term(s) Offered: Fall, Spring, Summer

JRN 385 - Supervision of Student Publication

Credits: 3

This course covers the problems generally faced in supervision of newspapers, magazines, yearbooks, and other publications.

Prerequisite(s): ENG 201 (grade of C or better).

Term(s) Offered: Fall, Spring

JRN 386 - Editing and Layout

Credits: 3

Study of the entire print reproduction process from idea formulation to designer's drawing board to the printer's finished product. Stressed is the fitting of copy into specific layout spaces, headline writing, art and photo reduction, and overall publications make-up.

Prerequisite(s): JRN 281 (grade of C or better) and ENG 101 (grade of C or better) and ENG 201 (grade of C or better).

Term(s) Offered: Fall, Spring

JRN 388 - Online Journalism

Credits: 3

As traditional media move to the Internet, the skills of journalism students must expand to meet the more intense demands of the Internet. The course will show how traditional newsrooms are merging with web products.

Prerequisite(s): ENG 101 (grade of C or better) or ENG 201 (grade of C or better).

Term(s) Offered: Spring

JRN 400 - Independent Study in Journalism

Credits: 1-3

This course is designed to provide an opportunity for upper-division communications majors and minors to research subject areas in the field of journalism. A maximum of six hours may be taken; only three may be taken in any one semester. Students who wish to take independent study courses in the journalism curriculum should be aware of the following points: 1) Only six hours of independent study may apply toward a major in communications; 2) No more than three hours of Journalism 400 may be directed by the same instructor; 3) Students wishing to enroll in independent study courses must receive written permission from their instructors prior to registration.

Prerequisite(s): ENG 101 (grade of C or better) or ENG 201 (grade of C or better), upper division status, and written consent of instructor.

Term(s) Offered: Fall, Spring, Summer

JRN 473 - Photojournalism

Credits: 3

The course will focus on the role of photography in mass communication, particularly print and Internet products. Students will study the process of combining text, graphics, and photographs to produce messages. Students will expand on the skills in earlier classes and produce products including many photographs, such as the photograph essay in a journalism or mass media context. Students will process color digital photography products through computers and modern software.

Prerequisite(s): ENG 101 (grade of C or better), ENG 201 (grade of C or better) and JRN 273 (grade of C or better) or consent of instructor.

JRN 481 - Reporting Public Affairs

Credits: 3

A journalism capstone course designed to polish the reporting skills of journalism majors. Course work, writing assignments, and class lectures and discussions will focus on the covering of local and state government, the judicial system, the local and state legislative process, and regional agencies. Each student will produce an in-depth, current news series or package on an issue or topic of current interest.

Prerequisite(s): COMM 192 (grade of C or better), JRN 281 (grade of C or better), and JRN 381 (grade of C or better), ENG 101 (grade of C or better), and ENG 201 (grade of C or better).

Term(s) Offered: Spring

JRN 484 - Literary Journalism

Credits: 3

This course is about the presentation of legitimate news subjects and materials in a format that borrows strongly from the techniques of feature writing and fiction. Students will be exposed to some of the best examples of published literary journalism. Students will write papers analyzing the reading and write several small news stories in this format.

Prerequisite(s): JRN 281, (grade of C or better), ENG 101 (grade of C or better), and ENG 201 (grade of C or better), or consent of instructor.

JRN 488 - Digital Storytelling

Credits: 3

This course is about the expression of news using digital tools, such as web authoring, image processing, drawing, and animation software, to involve audiences in novel ways through interactivity and immersion. Students will be exposed to digital forms and presentations of news that exploit the strengths of the new medium.

Prerequisite(s): JRN 374 (grade of C or better), ENG 101 (grade of C or better), and ENG 201 (grade of C or better).

JRN 489 - Internship in Journalism

Credits: 1-3

Offers students job experience in the discipline through a minimum of 50 hours of supervised professional work per credit hour.

Prerequisite(s): junior standing and consent of instructor.

Repeatability: repeatable to a maximum of 3 hours.

Term(s) Offered: Fall, Spring, Summer

JRN 496 - Media Ethics

Credits: 3

This course focuses on the importance of ethical journalism in a free society and the impact of press coverage on sources, victims, news consumers, and journalists. Students will study the ethical dimensions of responsible journalism; analyze ethical problems; recognize cultural stereotypes; and learn how to ensure that the voices of both mainstream America and traditionally under-reported groups are heard in media reports.

Prerequisite(s): junior standing.

JRN 499 - Special Topics

Credits: 3

Topics will vary. Purpose of course is to cover topics that are not specific courses in the curriculum.

Prerequisite(s): junior standing.

Repeatability: Course may be repeated once if the topic is different from the one previously taken. Students may repeat this course provided the topic is different. Only six hours toward the major.

Term(s) Offered: Fall, Spring, Summer

KIN 112 - Badminton

Credits: 1

KIN 114 - Golf

Credits: 1

KIN 118 - Table Tennis

Credits: 1

KIN 122 - Bowling

Credits: 1

KIN 123 - Tennis

Credits: 1

KIN 124 - Rock Climbing

Credits: 1

KIN 125 - Advanced Rock Climbing

Credits: 1

Prerequisite(s): KIN 124

KIN 132 - Softball

Credits: 1

KIN 134 - Volleyball

Credits: 1

KIN 137 - Basketball

Credits: 1

KIN 138 - Soccer

Credits: 1

KIN 141 - Beginning Swimming

Credits: 1

KIN 142 - Advanced Swimming

Credits: 1

KIN 143 - Aquatic Exercise

Credits: 1

KIN 145 - Scuba

Credits: 1

KIN 151 - Introduction to Karate

Credits: 1

KIN 155 - Dance Activities

Credits: 1

KIN 161 - Fishing

Credits: 1

KIN 162 - Hiking and Outdoor Education

Credits: 1

KIN 163 - Sailing

Credits: 1

KIN 181 - Aerobics

Credits: 1

KIN 182 - Weight Training

Credits: 1

KIN 183 - Aerobic Dance

Credits: 1

KIN 185 - Step Aerobics

Credits: 1

KIN 186 - Wellness/Fitness Appraisal

Credits: 1

Students will assess present level of physical fitness and wellness and establish behavior modification strategies to address areas which need improvement. Topics of discussion include nutrition, weight control, components of physical fitness, stress management, tobacco use and addictive behaviors, and sexually transmitted diseases.

Term(s) Offered: Fall, Spring, Summer

KIN 188 - Introduction to Kinesiology and Sport

Credits: 2

Orientation to career opportunities in physical education, exercise science and sport-related fields. Examination of sociological, historical, and philosophical foundations, current issues and trends.

Term(s) Offered: Fall, Spring, Summer

KIN 192 - Concepts in Wellness and Fitness

Credits: 1

This course will provide students with the opportunity to develop skills to live more wisely through wellness/fitness knowledge, current status, opportunities, and assessments. The students will learn about the importance of wellness/fitness in their everyday lives. Students will have the opportunity to customize their own behavioral plans for wellness/fitness. Areas of study include body composition, cardiorespiratory health, nutrition, weight management, and substance abuse.

USI Core 39: Foundations-Physical Activity and Wellness.

KIN 199 - Special Activities

Credits: 1

Topics include: Yoga, Boot camp, Pilates, Zumba, Spinning, Taekwondo, Backpacking, Canoeing, and Fitness Walking and Cardio Kickboxing

KIN 232 - Officiating of Baseball

Credits: 1

An in-depth look at the mechanics, rules, and officiating techniques for each sport with emphasis on high school interscholastic participation. The IHSAA or appropriate licensing examination may be taken at the completion of each course. An additional fee will be charged for administration of exam.

KIN 234 - Officiating of Volleyball

Credits: 1

An in-depth look at the mechanics, rules, and officiating techniques for each sport with emphasis on high school interscholastic participation. The IHSAA or appropriate licensing examination may be taken at the completion of each course. An additional fee will be charged for administration of exam.

KIN 237 - Officiating of Basketball

Credits: 1

An in-depth look at the mechanics, rules, and officiating techniques for each sport with emphasis on high school interscholastic participation. The IHSAA or appropriate licensing examination may be taken at the completion of each course. An additional fee will be charged for administration of exam.

KIN 238 - Officiating of Soccer

Credits: 1

An in-depth look at the mechanics, rules, and officiating techniques for each sport with emphasis on high school interscholastic participation. The IHSAA or appropriate licensing examination may be taken at the completion of each course. An additional fee will be charged for administration of exam.

KIN 244 - Lifeguard Training

Credits: 2

ARC certification in lifeguarding.

Prerequisite(s): Swim 300 yards continuously, using these strokes in the following order: 100 yards of front crawl using rhythmic breathing and a stabilizing, propellant kick; rhythmic breathing can be performed either by breathing to the side or to the front; 100 yards of breaststroke; 100 yards of either front crawl using rhythmic breathing or breaststroke or a mixture of front crawl and breaststroke. Swim 20 yards using front crawl or breaststroke, surface dive to a depth of seven-10 feet, retrieve a 10-pound object, return to the surface, and swim 20 yards back to the starting point with the object and exit the water without using a ladder or steps, within one minute, 40 seconds. When returning to the starting point, the participant's face must remain above the water and the participant must hold the 10-pound object with both hands.

Term(s) Offered: Spring

KIN 281 - Personal Health Science

Credits: 3

Examination of attitudes, research facts, and misconceptions pertaining to personal health needs and practices. Topics include but are not limited to nutrition, family living, sexuality, drug use and abuse, disease prevention, safety, first aid, and public health resources. NC1

USI Core 39: Foundations-Physical Activity & Wellness.

Term(s) Offered: Fall, Spring, Summer

KIN 282 - CPR and Sports Injury Prevention

Credits: 2

Course includes sports injury prevention, first aid and CPR training. Skill training provided for certification in First Aid, Adult, Infant, and Child CPR/AED.

This course is part of the Core Transfer Library (CTL).

Indiana Statewide Common Course #: IHP 1401.

Term(s) Offered: Fall, Spring, Summer

KIN 283 - Field Experience in Sport and Exercise

Credits: 1

Provides students with practical experiences in sport and exercise related fields. Students have the opportunity to observe professionals at work and learn about the basic operations of a facility and about programs and services offered.

Prerequisite(s): Must be a declared exercise science, kinesiology, sport management, or health professions major.

Term(s) Offered: Fall, Spring

KIN 284 - Stress Management

Credits: 2

A study of the elements which manifest stress, its impact, and strategies to minimize its effect on daily life.

KIN 285 - Technology in Kinesiology and Sport Professions

Credits: 3

Explores the use of a variety of discipline specific technology related to the fields of Exercise Science, Sport Management, Kinesiology and Physical Education. Topics will include effective use of Word, PowerPoint, Excel, and Publisher as productivity and promotional tools for health related professions. Students will also develop skills and an understanding of the appropriate use, design, and development of technology related resources.

KIN 286 - Safety Education

Credits: 2

This course is designed to examine the hazards present in all aspects of modern life that may produce property damage, injury, and/or illness. The activities of transportation, recreation, education, and home living are assessed for safety. Intervention strategies are presented. NO1

Term(s) Offered: Summer

KIN 291 - Motor Behavior

Credits: 2

A study of the motor development of children through adolescence, their motor learning capabilities, and the factors which influence skill acquisition, retention, and transfer.

Term(s) Offered: Spring, Summer

KIN 304 - Research Methods in Kinesiology and Sport

Credits: 3

This course will explore the identification and evaluation of research problems within the fields of kinesiology and sport. Students will engage in the interpretation of research in sport management, exercise science, human movement science, leisure, and athletic training; and will learn basic statistical analysis and interpretation. Attention will be paid to the research process including research design, data collection methods and dissemination of pertinent results.

Prerequisite(s): Foundational core MATH course.

Cross-Listed: SPTM 304

KIN 342 - Water Safety Instructor

Credits: 2

Students will receive preparation for certification as an American Red Cross water safety instructor.

Prerequisite(s): 16 years old, possess a Fundamentals of Instructor Training (FIT) Certificate, completed a precourse session.

KIN 385 - Methods of Group Exercise Instruction

Credits: 3

Students will learn to teach exercise routines for a group setting. The course will serve to assist students in preparing for group exercise certification.

Prerequisite(s): Sophomore standing.

Term(s) Offered: Fall, Spring

KIN 390 - Special Topics in Kinesiology

Credits: 1-3

A study of selected topics of current interest and importance in kinesiology. These topics may include opportunities for students to complete research, participate in experiential learning experiences, and a wide variety of learning activities in accordance with the interests and importance of kinesiology and sport.

KIN 393 - Practicum in Kinesiology

Credits: 3

Provides students with practical experience in kinesiology-related fields. Students have the opportunity to observe professionals on campus at the Recreational, Fitness, and Wellness Center, learn about personal training and group exercise programs, and basic operations of a facility.

Prerequisite(s): KIN 283 and Junior Standing

KIN 432 - Coaching Baseball

Credits: 2

The components of coaching each sport will be analyzed from the perspective of the coach. Topics will include conditioning, fundamentals, team strategy, tournaments, meets and matches, and rules and their application to game play.

KIN 434 - Coaching Volleyball

Credits: 2

The components of coaching each sport will be analyzed from the perspective of the coach. Topics will include conditioning, fundamentals, team strategy, tournaments, meets and matches, and rules and their application to game play.

KIN 437 - Coaching Basketball

Credits: 2

The components of coaching each sport will be analyzed from the perspective of the coach. Topics will include conditioning, fundamentals, team strategy, tournaments, meets and matches, and rules and their application to game play.

KIN 438 - Coaching Soccer

Credits: 2

The components of coaching each sport will be analyzed from the perspective of the coach. Topics will include conditioning, fundamentals, team strategy, tournaments, meets and matches, and rules and their application to game play.

KIN 485 - Methods of Personal Training

Credits: 3

This course introduces students to methods of personal training in helping students learn how to work with clients during the initial consultation process, the design of appropriate cardiovascular, strength, and flexibility training programs, and proper orientation techniques.

Prerequisite(s): EXSC 397

Term(s) Offered: Fall

KIN 492 - Contemporary Issues in Sport and Exercise

Credits: 3

Enables students to integrate information from their educational experiences to critically examine and analyze contemporary issues in sport and exercise from an interdisciplinary perspective. Current issues, trends, and challenges are presented with the intent of provoking thorough and stimulating debate so students may identify their role in the resolution of issues.

USI Core 39: Embedded Experience-Global.

Term(s) Offered: Fall, Spring, Summer

KIN 495 - Personal Training Certification Review

Credits: 3

This certification review course will be a review of design with exercise program guidelines and variables: protocols for building aerobic, resistance, and flexibility training programs; and guidance on how to build clientele through professional development. This course is designed to prepare students to sit for a personal training certification exam.

Prerequisite(s): BIOL 121, BIOL 122, and KIN 485.

Term(s) Offered: Summer

KIN 499 - Practicum in Physical Education

Credits: 3-5

Practical experience in an area of professional preparation.

Prerequisite(s): Must have completed required courses in major.

Grading: Satisfactory/Unsatisfactory.

Term(s) Offered: Fall, Spring, Summer

LATN 101 - Beginning Latin I

Credits: 3

Fundamentals of the language will be taught through a multiple approach (comprehension, reading, and composition). The class will be conducted in English with emphasis placed on acquiring the ability to read and comprehend written Latin.

USI Core 39: World Languages-BA; World Language and Culture-BS; Embedded Experience Diversity.

Term(s) Offered: Fall

LATN 102 - Beginning Latin II

Credits: 3

Continuation of LATN 101. Continued development of Latin grammar, syntax, vocabulary, and reading skills. Introduction to major Roman literary figures and themes of Roman culture.

USI Core 39: World Languages-BA; World Language and Culture-BS; Embedded Experience Diversity.

Prerequisite(s): LATN 101 or consent of instructor.

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

Term(s) Offered: Spring

LATN 203 - Intermediate Latin I

Credits: 3

A thorough review of Latin grammar, syntax, vocabulary, and reading skills. Readings in Latin prose and poetry will provide students with an understanding of Roman culture and literature.

USI Core 39: World Languages-BA; World Language and Culture-BS; Embedded Experience Diversity.

Prerequisite(s): LATN 102 or consent of the instructor.

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

Term(s) Offered: Fall

LATN 204 - Intermediate Latin II

Credits: 3

Continuation of LATN 203. Review of grammar and syntax will include concepts not covered in LATN 203. An emphasis on reading Latin prose and poetry to develop students' interpretative skills.

USI Core 39: Ways of Knowing-World Languages and Culture; World Languages-BA; World Language and Culture-BS; Embedded Experience-Diversity.

Prerequisite(s): LATN 203 or consent of the instructor.

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

Term(s) Offered: Spring

LATN 390 - Independent Study in Latin

Credits: 3

Independent study of directed readings, either of the prose author (e.g., Cicero) or Latin poet (e.g., Virgil).

Prerequisite(s): LATN 204 (grade of B or better) and consent of the instructor.

Repeatability: This course is repeatable for up to six hours.

LIBA 290 - Special Topics in Liberal Arts

Credits: 3-6

A course designed for introductory-level interdisciplinary special topics in the liberal arts.

Repeatability: May be repeated for different topics.

Term(s) Offered: Fall, Spring, Summer

LIBA 490 - Advanced Special Topics in Liberal Arts

Credits: 3-6

A course designed for advanced-level interdisciplinary special topics in the liberal arts.

Prerequisite(s): junior standing or consent of instructor.

Repeatability: May be repeated for different topics.

Term(s) Offered: Fall, Spring, Summer

LIBA 497 - Capstone Studies

Credits: 3

This is a senior-level seminar course. Topics will change from semester to semester, but each offering will encourage students to draw on their educational experiences to develop interdisciplinary responses to a problem or issue in contemporary life. Open to students of any major or college.

Prerequisite(s): senior standing or consent of instructor.

Term(s) Offered: Fall, Spring, Summer

MNGT 141 - Introduction to Business

Credits: 3

A survey course to acquaint students with functions performed by business and the part business activities play in our economy as a whole. Designed to give familiarity with common business practices and terminology. This course is not open to students who have completed or are currently enrolled in three or more courses in business or economics.

This course is part of the Core Transfer Library (CTL).

Indiana Statewide Common Course #: IPO 1810.

Term(s) Offered: Fall, Spring

MNGT 201 - Survey of Management

Credits: 3

A survey of the management process; emphasis upon management techniques and actors basic to various fields of business, industrial, and public organizations. This course is designed to apply the management process to the specific interests of all associate degree candidates and four-year non-business majors. (Not open to College of Business majors in baccalaureate programs.)

Prerequisite(s): sophomore standing, PSY 201, or consent of instructor.

Term(s) Offered: Fall, Spring

MNGT 305 - Principles of Management

Credits: 3

A study of the principles of management theory and practice in organizations, with emphasis placed on the challenges of management in a diverse and complex environment.

Prerequisite(s): ACCT 201, ACCT 202*, ECON 208, ECON 209*, PSY 201, and junior standing (Courses marked * may be taken concurrently with MNGT 305.)

Term(s) Offered: Fall, Spring, Summer

MNGT 315 - Management of Organizational Behavior

Credits: 3

A study of behavior of individuals and groups within organizations and of the organization itself. Intended to develop in managers a greater awareness of the problems and opportunities in managing human resources in organizations. Specific emphasis is placed on the development of managerial skills.

Prerequisite(s): MNGT 201 or MNGT 305.

Term(s) Offered: Fall, Spring

MNGT 341 - Human Resource Management

Credits: 3

The staff work required in planning and controlling the personnel functions in businesses and the personnel responsibilities of line executives. Emphasis is placed upon principles and procedures relative to selection, placement, training of employees, employees' services, morale, wages, and hours.

Prerequisite(s): MNGT 201 or MNGT 305.

Term(s) Offered: Fall

MNGT 352 - Entrepreneurship Ideation and Innovation

Credits: 3

This course focuses on the generation, testing, evaluation, and refinement of ideas. Innovation processes that focus on idea development, idea selection, and commercialization of ideas will also be examined. Exploration of the process and stages of creating an innovative new venture will provide the context for discussing the interrelationships among ideation, innovation,

commercialization, and entrepreneurial thinking.

Prerequisite(s): junior standing.

Term(s) Offered: Fall, Spring

MNGT 353 - Entrepreneurship Feasibility Analysis and Business Plan Development

Credits: 3

Students in this course will evaluate the viability of a business venture and develop a business plan. The feasibility component of this course assesses the market opportunity, strategic position operations, risks, and the ability of the product or service to generate payback for the prospective firm. The business plan component of this course addresses the organizational plan, product/service plan, marketing plan, and financial projections for the prospective business.

Prerequisite(s): Junior standing

Term(s) Offered: Fall, Spring

MNGT 354 - Strategic Entrepreneurship

Credits: 3

Students in this course will bridge the gap between entrepreneurial thought and practice by focusing on activities that must be carried out by a company within the framework of strategic entrepreneurship. This framework highlights the activities that create, deliver, and capture value for an enterprise. The course is designed to immerse students actively in the strategic entrepreneurial process with the objectives to reinforce and develop divergent thinking, analytical thinking, and communication skills. This course will develop skills associated with opportunity recognition (convergent and divergent thinking) and feasibility analysis (market and financial analysis), and extend these to the development and communication of a business model in an atmosphere that is based on team collaboration and coaching.

Prerequisite(s): MNGT 352, MNGT 353 for non-business majors; junior standing for business majors.

Term(s) Offered: Fall, Spring

MNGT 361 - Business Environmental Factors

Credits: 3

An inquiry into the purposes, methods, institutions, results, and philosophy of business and its relationship to the environment in which it functions.

Prerequisite(s): MNGT 201 or MNGT 305 and MKTG 201 or MKTG 305.

Term(s) Offered: Fall, Spring

MNGT 408 - Collective Bargaining and Industrial Relations

Credits: 3

A study of employer-union relationships, management and union organizations for collective bargaining, trade union structure and government, the government and collective agreements, and the collective bargaining process.

Prerequisite(s): MNGT 201 or MNGT 305.

Term(s) Offered: Fall

MNGT 441 - Wage and Salary Administration

Credits: 3

A comprehensive study of wage and salary policies and techniques, including wage and salary level determination, job evaluation, employee evaluation, merit rating, methods of wage payments, fringe benefits, and controls.

Prerequisite(s): MNGT 201 or MNGT 305.

Term(s) Offered: Spring

MNGT 442 - Training and Development

Credits: 3

This course is designed to provide students with an in-depth study of the theories and skills associated with training and developing human resources. Specific attention will be given to planning, designing, implementing, and evaluating training and development programs. Broader issues concerning employee development and training for specific needs will also be addressed.

Prerequisite(s): MNGT 201 or MNGT 305.

Term(s) Offered: Fall, Spring

MNGT 443 - Organizational Theory and Design

Credits: 3

This course involves the management challenge of designing organizational structure to facilitate effective performance and achieve competitive advantage given the evolving nature of organizational environments. Issues will include organizational innovation and change; technological change and organizational restructuring; global competition; organizational culture; employee involvement; participative management and team systems; total quality management; organizational control; communication; and conflict.

Prerequisite(s): MNGT 305. MNGT 315 recommended.

Term(s) Offered: Spring

MNGT 444 - Managing Diversity in Organizations

Credits: 3

A study of cultural perspectives and processes reflecting individual, work group, and organizational diversity in the workplace.

Prerequisite(s): MNGT 201 or MNGT 305.

Term(s) Offered: Spring

MNGT 445 - International Business

Credits: 3

International and cross-cultural study of business decisions, enterprises, markets, and institutions. Examines globalization of industries and firms' competitiveness. Discusses international business transactions and entry strategies.

Prerequisite(s): ECON 241, MNGT 305, MKTG 305, FIN 305.

Term(s) Offered: Fall

MNGT 452 - Policy Formulation and Implementation

Credits: 3

This capstone course requires students to develop interdisciplinary solutions for addressing contemporary business problems. In addition to integrating the major fields of business (accounting, finance, marketing, management, computer information systems), this course requires students to address a variety of different topics, such as social issues, diversity, environmental concerns, global/cultural differences, ethics, economics, critical thinking, problem identification, problem solving, communication skills, quantitative analysis, technology, current events, and politics. Through the use of cases, presentations, written projects, class discussions, lectures, and current periodicals, students are exposed to the complexities of conducting business in a changing world.

Prerequisite(s): MNGT 305, FIN 305, MKTG 305 and senior standing.

Term(s) Offered: Fall, Spring, Summer

MNGT 455 - Small Business Consulting

Credits: 3

Application of business principles to the operation of small business firms; includes emphasis on management functions, elements of the marketing mix, business practices, and problem solving. Students in teams of two to five are assigned as a counseling unit to a small business firm requesting management counseling.

Prerequisite(s): MNGT 305, FIN 305, MKTG 305, and senior standing.

Term(s) Offered: Fall, Spring

MKTG 201 - Introduction to Marketing

Credits: 3

An introductory course designed to apply the marketing process to the specific interests of associate degree candidates and non-business majors. Emphasis upon retailing, personal selling, advertising, and marketing strategy. (Not open to College of Business majors in baccalaureate programs.)

Prerequisite(s): PSY 201 and sophomore standing.

Term(s) Offered: Fall, Spring

MKTG 305 - Principles of Marketing

Credits: 3

A general survey of the entire field of marketing. Attention is given to the management of the marketing efforts of the individual firm. Emphasis is on the role of the marketing environment, understanding markets and customers, and decision making regarding products, pricing, distribution, and promotion.

Prerequisite(s): ACCT 201 and ACCT 202*, ECON 208 and ECON 209*, PSY 201, and junior standing. (Courses marked * may be taken concurrently with MKTG 305.)

Term(s) Offered: Fall, Spring, Summer

MKTG 313 - Services Marketing

Credits: 3

Emphasis is placed on the role of services in today's economy. The differences in marketing goods and the marketing of services is stressed. Strategy development for a wide variety of services including financial, medical, and entertainment is highlighted.

Prerequisite(s): MKTG 201 or MKTG 305.

MKTG 332 - Consumer Behavior

Credits: 3

An interdisciplinary approach to the analysis and interpretation of consumer buying habits and motives, and the resultant purchase of goods and services. The purchaser's psychological, economic, and sociocultural actions and reactions are stressed.

Prerequisite(s): MKTG 201 or MKTG 305.

Term(s) Offered: Fall, Spring

MKTG 334 - Promotional Strategy

Credits: 3

An examination of the promotional techniques available to marketing management. Emphasis is given to market analysis and to the communication process providing the means by which products can be effectively promoted. The specific tools of personal selling, advertising, sales promotion, and publicity are examined as components of overall marketing strategy.

Prerequisite(s): MKTG 201 or MKTG 305.

MKTG 342 - Business and Industrial Marketing

Credits: 3

An examination of the marketing function within organizations marketing goods and/or services to other organizations (rather than final consumers). Major emphasis on business buyer behavior and the business marketing environment as key factors shaping business marketing strategy development, planning, implementation, and control.

Prerequisite(s): MKTG 201 or MKTG 305.

MKTG 344 - Personal Selling

Credits: 3

Study of the sales function in a marketing organization, development of techniques for making an effective sales presentation, and developing and maintaining account relationships. The course also will review major sales management functions including organization, allocation, recruitment, selection, training, motivation, compensation, and sales force evaluation and control.

Prerequisite(s): MKTG 201 or MKTG 305.

MKTG 355 - Interactive Marketing

Credits: 3

This course focuses on the integration of state-of-the-art interactive technologies into the design and implementation of marketing programs for the new millennium. The functions of market identification through customer analysis, and the planning and implementation of conception, pricing, promotion and distribution of ideas, goods, and services to satisfy the market benefit immensely from the capabilities of the rapidly developing information technology (IT) infrastructure. The course also includes introduction into different techniques for differentiating products and services and developing systems to focus on the market niche, establishing interactive links to customers, retrieving online information from customers, and using data mining for market research.

Prerequisite(s): MKTG 201 or MKTG 305.

MKTG 438 - Marketing Research

Credits: 3

The systematic, objective, and exhaustive search for and analysis of data relevant to problems in the field of marketing. Attention is given to marketing research procedures such as project design, sampling, data collection, data analysis, and reporting. Management's treatment of and reliance upon this important marketing tool are considered.

Prerequisite(s): ECON 265, MKTG 305, and senior standing.

Term(s) Offered: Fall, Spring

MKTG 444 - Sales Management

Credits: 3

The course is designed to help students prepare to face the changing sales environment of many organizations, brought by fierce global competition. Students are introduced to sales management concepts, terms, and the management of field sales forces. The course will highlight the broad domain of sales management, skills to handle increasing demands of buyers, and career opportunities in sales management. The course will provide students with an appreciation of the ethical issues involved with sales management.

Prerequisite(s): MKTG 201 or MKTG 305.

MKTG 447 - Retailing Policy and Management

Credits: 3

Policies, practices, and problems of efficiently operated retail stores, including the study of such areas as store location, layout, organizations, merchandise planning and control, pricing, buying, and sales promotion.

Prerequisite(s): MKTG 201 or MKTG 305.

MKTG 448 - Marketing Management

Credits: 3

Application of problem solving in the area of marketing management, emphasizing planning the marketing effort, management of the marketing organization, and control of marketing operations.

Prerequisite(s): completion of at least nine hours in marketing and senior standing.

Term(s) Offered: Fall, Spring

MKTG 461 - Seminar in Integrated Marketing Communications

Credits: 3

Approaching organizations' communications issues through the integration of advertising, marketing, and public relations strategies and techniques. Team project required.

Prerequisite(s): senior standing and either ADV 101 or PRL 101 and either MKTG 201 or MKTG 305.

Cross-Listed: PRL 461 and ADV 441.

MKTG 471 - International Marketing

Credits: 3

The whole of enterprise, comparative marketing, and transport institutions and systems in selected foreign countries and the United States. The managerial and operational problems of world enterprise, with emphasis on the role of ethnic and cultural differences in influencing marketing strategy. Case studies will be used.

Prerequisite(s): MKTG 201 or MKTG 305.

Term(s) Offered: Fall, Spring

MKTG 475 - Seminar in Contemporary Marketing Problems

Credits: 3

Individual investigation of selected marketing problems of contemporary significance will be analyzed and related to assigned readings and current periodical literature. Case studies and field trips also will be used to acquaint the student with actual practices currently employed in marketing.

Prerequisite(s): MKTG 305.

MKTG 490 - Individual Study in Marketing

Credits: 1-3

Research and reading in the student's major area of interest. May be taken on an arranged basis upon approval of the College of Business dean and the instructor.

Prerequisite(s): MKTG 305.

Repeatability: Repeatable for up to three hours.

MATH 100 - Intermediate Algebra

Credits: 3

Concepts from elementary algebra, functions, properties of exponents, operations with polynomials, rational and algebraic expressions, and solutions to equations and inequalities.

Prerequisite(s): GENS 097 (grade of B or better) or satisfactory placement score.

Term(s) Offered: Fall, Spring, Summer

MATH 101 - Intermediate Algebra Supplement

Credits: 1

This course is a supplement to MATH 100; topics include concepts from elementary algebra. Concurrent enrollment in the corresponding section of MATH 100 is required. This supplemental course is mandatory for students who have not been successful (C or better) in MATH 100 after having attempted it twice or for students who were placed into GENS 097 and did not pass it on the first attempt.

Term(s) Offered: Fall, Spring

MATH 103 - Mathematics for Elementary Teachers I

Credits: 3

This course is the first course in a two-course sequence designed to enhance the conceptual understanding and processes of the common content in elementary mathematics curricula. Topics include problem solving, counting, the structure of the decimal system and procedural and conceptual understanding of the four basic operations on whole numbers, decimals and fractions. The use of manipulatives and technology will support learning and teaching in these and other topics studied. Enrollment is only open to students seeking a degree in elementary education or a related degree.

Prerequisite(s): C or better in MATH 100 or satisfactory placement score.

MATH 107 - Fundamentals of Mathematics for Nursing

Credits: 4

This course focuses on understanding the mathematics required for nursing. Topics include algebraic concepts and procedures (equations, ratios, proportions, percentage problems, formulas, logarithmic calculations), geometric concepts and procedures (systems of measurements and conversions, area, volume), problem-solving techniques (modeling, dosage calculations, flow-rate calculations, angle measurements) and an introduction to statistical methods and procedures (measures of central tendency, constructing and interpreting graphs, range, standard deviation and coefficient of variation, normal distributions). This online course is open only to persons with an Associate's Degree in nursing who have completed at least one semester of intermediate algebra and who are seeking a BS or MS degree in nursing.

USI Core 39: Foundations-Mathematics/Quantitative Reasoning.

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

MATH 108 - Survey of Mathematics

Credits: 4

A survey of contemporary topics in mathematics designed to introduce students to thinking processes developed in mathematics.

Scientific calculators will be used.

Prerequisite(s): MATH 100 (grade of C or better) or satisfactory placement score.

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

Term(s) Offered: Fall, Spring, Summer

MATH 111 - College Algebra

Credits: 4

Topics to be emphasized include polynomials, rational algebraic expressions, graphs, inequalities, theory of equations, and matrices. Special attention is focused on functions and the utilization of appropriate technology.

USI Core 39: Foundations-Mathematics/Quantitative Reasoning.

Prerequisite(s): MATH 100 (grade of C or better) or satisfactory placement score.

This course is part of the Core Transfer Library (CTL).

Indiana Statewide Common Course #: IMA 1601.

Term(s) Offered: Fall, Spring, Summer

MATH 112 - Trigonometry

Credits: 3

Emphasis is placed upon trigonometric functions, their properties, applications, and graphs, as well as trigonometric identities, solutions of triangles, trigonometric equations and vectors. This course does not apply toward the major or minor in mathematics.

Prerequisite(s): MATH 100 (grade of C or better) or satisfactory placement score.

This course is part of the Core Transfer Library (CTL).

Indiana Statewide Common Course #: IMA 1608.

Note: A TI-83, TI-83 Plus, or TI-84 graphing calculator is required for this course.

Term(s) Offered: Fall, Spring

MATH 114 - Quantitative Reasoning

Credits: 3

This course is designed as a foundational experience in quantitative reasoning that will employ real world applications for students to enhance their skills as problem solvers, critical thinkers, informed decision makers and intelligent consumers of quantitative information. The course addresses a diverse set of mathematical topics including logic, data analysis, probability, linear and exponential models, personal finance, geometry and graph theory.

USI Core 39: Foundations-Mathematics/Quantitative Reasoning.

Prerequisite(s): MATH 100 (grade of C or better) or satisfactory placement score.

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

MATH 115 - Pre-Calculus Mathematics

Credits: 3

Advanced topics in algebra plus selected topics in trigonometry and elementary functions (polynomials, rational, algebraic, exponential, logarithmic, and trigonometric) are studied with emphasis upon notation, properties, operations, and graphs of functions and their inverses.

Prerequisite(s): MATH 111 (grade of C or better) or satisfactory placement score. Students with minimal knowledge of trigonometry may enroll concurrently in MATH 112.

Term(s) Offered: Fall, Spring

MATH 118 - Comprehensive Pre-Calculus

Credits: 5

This course is designed for students planning to enroll in MATH 230 - Calculus I. The study of functions (polynomial, rational, exponential, logarithmic, algebraic, and trigonometric) forms the foundation for this course. This course will promote the development of algebraic and analytic skills as well as conceptual understanding.

Prerequisite(s): MATH 100 (grade of B or better) or MATH 111 or satisfactory placement score.

Term(s) Offered: Fall, Spring, Summer

MATH 122 - Analytic Geometry

Credits: 4

Emphasis is placed on two- and three dimensional coordinate geometry, lines, circles, conic sections, planes, spheres, surfaces, and basic properties of vectors.

Prerequisite(s): MATH 111 and MATH 112 (grades of C or better), or satisfactory placement score.

MATH 202 - Mathematical Concepts for Preschool through Primary Teachers

Credits: 4

This course includes extensions of the fundamental concepts studied in MATH 103 with emphasis on the procedures as they relate to the early-elementary student. Topics include processes in advanced counting, the four basic operations, elementary fractions, decimals, probability, statistics, angles and other geometric concepts beyond shapes. The use of manipulatives and technology will support the teaching and learning for this course. Enrollment is open only to students in the Early Childhood Program.

Prerequisite(s): MATH 103 (grade of C or better).

MATH 203 - Mathematics for Elementary Teachers II

Credits: 4

This course is the second in a two-course sequence designed to enhance the conceptual understanding and processes of the common content in elementary mathematics curricula. Topics include proportional reasoning, algebraic reasoning, geometry, measurement, data analysis, and probability. The use of manipulatives and technology will support learning and teaching of the topics studied. Enrollment is only open to students seeking a degree in elementary education or a related degree.

USI Core 39: Ways of Knowing-Scientific and Mathematical Inquiry.

Prerequisite(s): MATH 103 (grade of C or better).

MATH 213 - Algebraic Concepts for Teachers

Credits: 3

This course is designed to develop conceptual understandings for topics in algebra and number theory. The study of sequences, the binomial theorem, fundamental theorem of arithmetic, modular arithmetic, systems of linear equations, matrix arithmetic and algebra, and matrices will be covered in this course; the use of manipulatives and technology will support the teaching and learning of these topics.

Prerequisite(s): MATH 111, MATH 115 or MATH 118 with a grade of C or better, and MATH 203 with a grade of C or better.

MATH 215 - Survey of Calculus

Credits: 3

An introduction to calculus and its applications in business, economics, and the social sciences. Not applicable to the mathematics major or minor; this course is applicable to the elementary and junior/middle school math minor.

USI Core 39: Foundations-Mathematics/Quantitative Reasoning.

Prerequisite(s): MATH 111 (grade of C or better).

This course is part of the Core Transfer Library (CTL).

Indiana Statewide Common Course #: IMA 1604.

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

Term(s) Offered: Fall, Spring, Summer

MATH 230 - Calculus I

Credits: 4

The theory of limits, differentiation, successive differentiation, the definite integral, indefinite integral, and applications of both

the derivative and integral.

USI Core 39: Foundations-Mathematics/Quantitative Reasoning.

Prerequisite(s): MATH 115 (grade of C or better), MATH 118 (grade of C or better), or satisfactory placement score.

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

Term(s) Offered: Fall, Spring, Summer

MATH 235 - Calculus II

Credits: 4

Integrating and differentiating transcendental functions, applications of the integral, numerical integration techniques, and infinite series.

Prerequisite(s): MATH 230 (grade of C or better)

This course is part of the Core Transfer Library (CTL).

Indiana Statewide Common Course #: IMA 1603.

Term(s) Offered: Fall, Spring, Summer

MATH 236 - Geometry and Measurement for Teachers

Credits: 3

The course will provide opportunities to gain a deeper understanding of geometry as a study of size, shape and properties of space; a tool for problem solving; and a way of modeling physical situations. Topics include the study of logic, polygons, solids, Euclid's postulates, congruent figures, similarity, rigid motion and symmetry, vectors and transformation, and other geometries; the use of manipulatives and technology will support the teaching and learning of these topics.

Prerequisite(s): MATH 111, MATH 115 or MATH 118 with a grade of C or better, and MATH 203 with a grade of C or better.

MATH 238 - Data Analysis and Probability for Teachers

Credits: 3

This course is designed to develop conceptual understanding for topics in data analysis and probability. The study of selecting and using appropriate statistical methods to analyze data, the developing and evaluating of inferences and predictions that are based on data, and the applying of basic concepts of probability will be covered in this class. The use of manipulatives and technology will support learning and teaching of the topics studied.

Prerequisite(s): MATH 213 with a grade of C or better.

MATH 241 - Principles of Statistics

Credits: 3

This course is an introduction to statistics including topics in probability, measures of central tendency and dispersion, estimation, hypothesis testing and regression.

USI Core 39: Ways of Knowing-Scientific and Mathematical Inquiry.

Prerequisite(s): MATH 111 or MATH 114.

Term(s) Offered: Fall, Spring

MATH 253 - Principles of Mathematical Logic

Credits: 3

Includes introductory topics in mathematical logic, combinatorics, analysis, mathematical proof, and problem solving.

USI Core 39: Ways of Knowing-Scientific and Mathematical Inquiry.

Prerequisite(s): Satisfactory placement score or MATH 111. May be taken concurrently with MATH 230.

Term(s) Offered: Fall, Spring

MATH 291 - Mathematics for Secondary Teachers

Credits: 3

This course was designed to enhance the conceptual and procedural understandings of the mathematics that is taught at the secondary level—number theory, algebra, geometry, functions, probability and statistics. Concepts and problems will be viewed from an advanced perspective where the students will investigate alternate definitions and approaches to mathematical ideas; consider proofs, extensions and generalizations of familiar theorems; investigate multiple approaches to problem solving, and study connections between topics from different courses. Understanding and communication of mathematical concepts and processes will be emphasized; the use of technology and manipulatives will be used when appropriate. This course will not serve as an upper-level mathematics elective for the major or minor in mathematics.

Prerequisite(s): MATH 253, grade of C or better.

MATH 323 - College Geometry

Credits: 3

An introduction to the foundations of geometry. Topics from finite, Euclidean, and non-Euclidean geometries are explored. Properties of polygons, convexity, and various geometric shapes are explored.

Prerequisite(s): MATH 235.

Term(s) Offered: Fall

MATH 331 - Mathematical Models with Applications

Credits: 3

Techniques from algebra, calculus, probability, and other areas of mathematics are employed to solve problems arising in the biological, physical, and social sciences.

Prerequisite(s): MATH 230 or consent of instructor.

MATH 335 - Calculus III

Credits: 4

Vectors in two- and three-dimensions, surfaces and space curves, partial differentiation, multiple integration with applications of each.

Prerequisite(s): MATH 235 (grade of C or better).

Term(s) Offered: Fall, Spring

MATH 353 - Discrete Mathematics

Credits: 3

Topics in discrete methods, combinations, graph theory, and finite algebraic structures will be studied. The applications of these topics in computer science, physical and life science, as well as in social sciences makes the course valuable for students in many majors.

Prerequisite(s): MATH 253.

MATH 362 - Linear Algebra

Credits: 3

Systems of linear equations, vector spaces, basic properties of matrices and determinants, linear transformations on a vector space, and canonical representations of a linear transformation.

Prerequisite(s): MATH 335.

Term(s) Offered: Fall, Spring

MATH 366 - Differential Equations

Credits: 3

Differential equations provides an introduction to solutions of ordinary differential equations with applications. Topics include

first-order differential equations, second and higher order linear differential equations including the method of Laplace transform and linear systems of differential equations.

Prerequisite(s): MATH 335 (may be taken concurrently).

Term(s) Offered: Fall, Spring, Summer

MATH 375 - Interest Theory and Mathematical Finance

Credits: 4

This course is an introduction to interest theory and mathematical finance. Topics include calculation of interest and yield rates; present, future, discounted and accumulated values; and time intervals involved in cash flow transactions. Both continuous and discrete time models will be considered. This course provides the basic foundation for Exam FM administered jointly by the Society of Actuaries and Casualty Actuarial Society. This course does not satisfy the requirements for a degree in mathematics.

Prerequisite(s): MATH 235 (grade of C or better).

MATH 391 - The Teaching of Mathematics in Grades 5-12

Credits: 3

This course is designed to develop the pedagogical content knowledge and instructional practices necessary to teach mathematics in grades 5-12. Topics will include lesson planning, the use of technological and manipulative tools in the teaching and learning of mathematics, assessment methods, theories of learning mathematics, mathematical misconceptions of students in grades 5-12, and current research in mathematics education. This course will not serve as an upper-level mathematics elective for the major or minor in mathematics.

Prerequisite(s): MATH 291, C or better, MATH 323, C or better and junior status.

Term(s) Offered: Fall

MATH 392 - The Teaching of Elementary School Mathematics

Credits: 3

The materials, devices, and methods of teaching mathematics in the elementary schools.

Prerequisite(s): MATH 203 (grade C or better) and admission to Teacher Education Analysis Phase.

MATH 393 - Pedagogical Knowledge for Teaching Mathematics

Credits: 3

This course is designed to provide students interactive experiences to design and enact mathematics instruction in grades K-8 and to assess the development of the mathematics learners.

Prerequisite(s): MATH 392 with a grade of C or better.

MATH 410 - Introduction to Analysis

Credits: 3

A study of the real number system as a complete ordered field, completeness properties and their equivalences, function of a single real variable, continuity differentiability, uniform continuity, and the Riemann integral.

Prerequisite(s): MATH 335.

MATH 411 - Theory of Numbers

Credits: 3

Math 411, Theory of Numbers is an introduction to classical number theory. This course studies the fundamental properties of the integers and the solution of linear and quadratic equations over the integers. Topics include prime factorization, congruences, Diophantine equations, the theorems of Fermat and Euler, and quadratic reciprocity. The course is rich in material useful for the secondary teacher of mathematics.

Prerequisite(s): MATH 253 and MATH 335

MATH 412 - Modern Abstract Algebra I

Credits: 3

Abstract Algebra offers an introduction to the main ideas of abstract mathematics and algebraic structures. The primary focus of this course will be group theory with an introduction to ring and field theory. Emphasis of the course is placed on the writing and critiquing of mathematical proofs concerning algebraic structures.

Prerequisite(s): MATH 253 and MATH 362.

Term(s) Offered: Spring

MATH 414 - Modern Abstract Algebra II

Credits: 3

Rings, integral domains, fields, quaternions, including discussions of characterizations of integers, embedding theorems, polynomials, and extension fields.

Prerequisite(s): MATH 412.

MATH 426 - Point Set Topology

Credits: 3

Definition and properties of a topological space; continuous functions, and homeomorphisms, various topological properties such as compactness, separation, and connectedness; metric spaces.

Prerequisite(s): MATH 253 and MATH 335.

MATH 432 - Advanced Calculus

Credits: 3

Functions of several variables, transformations, multiple integrals, line and surface integrals, infinite series.

Prerequisite(s): MATH 335.

MATH 434 - Advanced Differential Equations

Credits: 3

Advanced Differential Equations continues the study of differential equations. Topics include systems of ordinary differential equations, boundary value problems, non-linear and partial differential equations. An emphasis is placed on theoretical understanding of differential equations and their solution using numerical and approximation techniques.

Prerequisite(s): MATH 362 and MATH 366.

MATH 436 - Intermediate Statistics and Quality

Credits: 3

This course will include topics such as multiple regression, regressor significance tests, variable selection methods model adequacy and complications caused by multicollinearity. Additional topics will be Analysis of Variance (ANOVA), statistical quality control and nonparametric statistical methods. This course will not satisfy one of the upper-level math electives.

Prerequisite(s): MATH 438 and MATH 441 or ENGR 305.

MATH 437 - Numerical Analysis

Credits: 3

A survey of current methods in numerical analysis. Topics will include polynomial approximation and interpolation, numerical differentiation and integration, numerical solutions of differential equations, functional approximation, solution of linear and nonlinear equations, and matrix methods for inverse and eigenvalue problems.

Prerequisite(s): MATH 335.

Cross-Listed: (Dual listed as CS 437)

MATH 438 - Theory of Probability

Credits: 3

Probability theory as applied to mathematical models of random events, independent and dependent events, numerical-valued events, mean and variance of a probability law, normal and Poisson probability laws, and random variables.

Prerequisite(s): MATH 335.

Term(s) Offered: Fall

MATH 441 - Mathematical Statistics

Credits: 3

Basic empirical and theoretical frequency distributions, analysis of variance, elementary sampling theory, hypothesis testing, confidence intervals, statistical inference, correlation, and regression.

Prerequisite(s): MATH 335 and MATH 438.

Term(s) Offered: Spring

MATH 475 - Regression and Time Series

Credits: 3

This course is an introduction to regression and time series. Topics related to regression include simple and multiple regression, hypothesis testing, confidence and prediction intervals, model building and diagnostic checking. Topics related to time series include non-seasonal and seasonal time series, autocorrelation, Box-Jenkins models, parameter estimation, diagnostic checking, and forecasting.

Prerequisite(s): MATH 438 or consent of instructor.

MATH 492 - History of Mathematics

Credits: 3

An examination of the historical development of the main concepts, techniques, and areas of mathematics along with the originating cultures and key personalities.

Prerequisite(s): MATH 412.

Term(s) Offered: Spring

MATH 499 - Special Topics in Mathematics

Credits: 1-3

By consent of instructor and approval of the chair of the mathematics department.

Term(s) Offered: Fall, Spring

ME 225 - Thermodynamics

Credits: 3

Introduction and application to the laws of thermodynamics; analysis of closed and open systems; introduction to heat transfer, carnot principle, engine power plants, and refrigeration applications.

Prerequisite(s): PHYS 205.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (3-0)

Term(s) Offered: Fall, Spring

ME 363 - Vibrations

Credits: 3

An introduction to vibration theory, including the modeling and analysis of oscillatory phenomena found in linear discrete and continuous mechanical systems. This course will introduce noise and vibration control as an application of vibrations theory. A hands-on laboratory will greatly enhance the learning experience and bridge the gap between theory and practice.

Prerequisite(s): ENGR 275 and MATH 366.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): Two hours lecture, three hours lab.

ME 364 - Materials Science

Credits: 3

The design and analysis of mechanical systems considering theories of static failure, fatigue, impact loading, and fracture mechanics; with a special emphasis placed on material selection.

Prerequisite(s): ENGR 355.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): Three hours lecture.

Term(s) Offered: Spring

ME 365 - Modeling Dynamic Systems

Credits: 3

Introduction to unified approach to lumped-element modeling and analysis of mechanical, electrical, hydraulic, and mechatronic systems. Topics include graphical modeling using band graphs; formulation of state-space equations; analysis of linear systems; determination of time and frequency domain response of such systems to transient and periodic inputs, block diagram representation of dynamic system using LaPlace Transforms; and integration into feedback control systems.

Prerequisite(s): ECE 255, ENGR 275, and MATH 366.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): Three hours lecture.

Term(s) Offered: Spring

ME 366 - Dynamics of Machinery

Credits: 3

The synthesis and analysis of mechanical linkages and cams.

Prerequisite(s): ENGR 275.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): Three hours lecture.

Term(s) Offered: Fall

ME 395 - Introduction to the Finite Element Method-Theory and Application

Credits: 3

An introductory course to the theory and application of the finite element method. Students will learn techniques necessary to apply the finite element method properly. In addition, students will use finite element programs, including commercial software, to design, analyze and solve problems in structural and solid mechanics. Topics covered in the course include design and analysis of structures using rod, truss, beam, frame, shell, and solid elements.

Prerequisite(s): MATH 366 and ENGR 355.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): 2-2

Term(s) Offered: Spring

ME 463 - Heat Transfer

Credits: 3

An investigation into heat transfer and the formulation of the fundamental principles and laws that govern conduction, convection, and radiation for both steady state and transient conditions with their application in the analysis and design of actual processes and heat exchanges.

Prerequisite(s): MATH 366, ME 225, and ENGR 375.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): Three hours lecture.

Term(s) Offered: Fall

ME 465 - Fluid/Thermal Design

Credits: 3

Application of the fundamental principles of heat transfer and fluid flow in the engineering analysis and design of fluid thermal systems (piping layouts, air conditioners, heat exchangers, power plants, solar and wind power, compressors, etc.).

Prerequisite(s): ME 463.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): Two hours lecture, three hours lab.

Term(s) Offered: Spring

ME 466 - Machine Design

Credits: 3

Engineering design and analysis of fundamental mechanical machine elements; including fasteners, gears, bearings, brakes, shafts, couplings, and flywheels. Synthesis of a machine containing two or more fundamental components.

Prerequisite(s): ME 364 and ME 366 (may be taken concurrently).

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): Two hours lecture, two hours recitation.

Term(s) Offered: Fall

ME 473 - Introduction to Control Systems

Credits: 3

An introduction to the fundamentals of feedback control system design and analysis with emphasis given to frequency domain methods. Modeling, transfer functions, block diagrams, stability, and system specification will be reviewed. The Bode Ideal Cutoff design method will be thoroughly examined and compared to other techniques including root locus and PID control. Includes computer simulations using MATLAB.

Prerequisite(s): ECE 345 or ME 365 or ECE 445, and MATH 366.

MUS 161 - Music Theory I

Credits: 3

The fundamentals of music theory through part-writing and analysis. Course content includes key signatures, scales, intervals, triads, and an introduction to figured bass.

MUS 162 - Music Theory II

Credits: 3

A continuation of MUS 161 emphasizing inversions of triads, the dominant seventh chord, non-harmonic tones, and elementary modulations through part-writing, composition, and analysis with and without figured bass.

Prerequisite(s): MUS 161 or permission of the instructor.

MUS 171 - Aural Skills I

Credits: 1

This course offers a practical application of the materials studied in MUS 161 and provides the necessary drill in the skills of sight-singing, aural perception, and the dictation of music.

MUS 172 - Aural Skills II

Credits: 1

This course offers a practical application of the materials studied in MUS 162 and provides the necessary drill in the skills of sight-singing, aural perception, and dictation of music.

Prerequisite(s): MUS 171.

MUS 181 - Class Piano I

Credits: 1

This course provides a comprehensive introduction to piano performance, functional keyboard skills, and the keyboard literature of beginning piano students. Focus will be given to major scales, primary chord progressions, melodic harmonization, and performance of recital repertory relevant to the course objectives.

MUS 182 - Class Piano II

Credits: 1

The second course in the Class Piano sequence, MUS 182 provides a comprehensive introduction to piano performance, functional keyboard skills, and keyboard literature of beginning piano students. Focus will be given to major and minor scales and their inversions, primary chord progressions in root and inverted positions, melodic harmonization, and performance of repertory relevant to the course objectives.

Prerequisite(s): MUS 181 or permission of the instructor.

MUS 200 - USI Chamber Choir

Credits: 2

A select touring choir devoted to performance of an eclectic repertory of choral literature for mixed voices (S.A.T.B.). This course will focus on the development of vocal technique, performance practices, and will culminate with several performances throughout the year.

Prerequisite(s): audition and consent of instructor.

Repeatability: A maximum of 18 hours of credit may be earned in choral ensembles.

MUS 202 - Introduction to Music

Credits: 3

A basic survey of the media elements and organizational patterns of the art of music.

This course is part of the Core Transfer Library (CTL).

Indiana Statewide Common Course #: IFA 1330.

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

MUS 210 - Applied Voice

Credits: 1

One thirty-minute weekly private instruction in the area of applied voice with an emphasis on vocal performance, technique, vocal health, and the performance of Classical art song, sacred song, folk song, and Broadway musical standards.

Repeatability: May be repeated without limit.

MUS 219 - USI Women's Choir

Credits: 1

A select group devoted to the performance of standard choral repertory for women. This ensemble will focus on the development of vocal technique beginning with the simplest part-songs and progressing through more difficult choral works. This course will culminate in a choral performance near the end of the semester.

Prerequisite(s): audition and consent of the instructor.

Repeatability: A maximum of 18 hours of credit may be earned in choral ensembles.

MUS 251 - Music and Movement in Elementary Schools

Credits: 3

Develops appreciation and skills in music as applied by the middle-level education major in voice, keyboard, and recorded musical materials. Comparative study will be pursued in the areas of integrated curriculum and methodology presently used in the instruction of music and movement in grades three through six. Guided field experience.

Prerequisite(s): EDUC 196.

MUS 290 - USI Jazz Ensemble

Credits: 2

A select ensemble consisting of any combination of jazz players from a small combo up to a full jazz "big band." The purpose of this course is to educate players in the area of jazz realization and improvisation through the study of standard repertory, improvisation texts, listening assignments, and rehearsal. This ensemble will perform regularly throughout the year.

Prerequisite(s): audition and consent of the instructor.

MUS 381 - Music History I

Credits: 3

A study of the development of Western music from antiquity through the end of its Baroque period (1600-1750). Emphasis will be placed on developing a thorough knowledge of music literature, cultural history, compositional styles, and the composers who shaped the music of this time.

Prerequisite(s): Junior standing or consent of instructor

MUS 382 - Music History II

Credits: 3

A study of the development of Western Music from its Classical Period (1750-1800) through the Modern Age with some examination of contemporary trends. Emphasis will be placed on developing a thorough knowledge of music literature, compositions, cultural history, and the composers who shaped the music of this time.

Prerequisite(s): Junior standing or consent of instructor

MS 101 - Fundamental Military Concepts

Credits: 1

The course introduces students to the basic officer competencies, establishes a firm foundation for continued study in higher ROTC courses, and instructs basic life skills pertaining to personal fitness and interpersonal communication skills. Students will

be introduced to the U.S. Army values, national values, and expected ethical behavior. Students will be exposed to the unique duties and responsibilities of officers and the expectations of selfless service, dedication, and duty to the nation. Designed to introduce basic soldier skills and squad-level tactical operations. Attention is devoted to development of leadership potential through practical exercises both in and out of the classroom.

Prerequisite(s): No prereq.

Term(s) Offered: Fall

MS 102 - Basic Leadership

Credits: 1

Examines the leadership process as affected by individual differences and styles, group dynamics, and personality behavior of leaders. Will introduce a generic model of problem solving. Teaches the basic skills that underlie effective problem solving in different work environments. Instructs how to relate the problem-solving model and basic problem solving skills to the resolution of military problems. Students will experience an introduction of fundamental leadership concepts and examine factors that influence leader and group effectiveness. Designed to teach basic soldier skills and squad level tactical operations. Student involvement in briefings and hands on practical exercises. Attention is devoted to development of leadership potential through practical exercises both in and out of the classroom.

Prerequisite(s): No prereq.

Term(s) Offered: Spring

MS 201 - Advanced Leadership and Management

Credits: 2

Develops basic leadership abilities and management skills through instruction and hands on practical exercises. Introduces principles and techniques of effective written and oral communication. Teaches practical leader skills and examines the principle of subordinate motivation and organizational change. Students will apply leadership and problem solving to a complex case study/simulation. Class is designed to develop individual team skills, decision-making abilities, and test basic tactical proficiency skills as well as improve planning and organizational skills both in and out of the classroom environment. Teaches hands-on soldier skills and squad-level tactical operations. Attention is devoted to development of leadership potential through practical exercises both in and out of the classroom.

Prerequisite(s): No prereq.

Term(s) Offered: Fall

MS 202 - Leadership, Tactics and Officership

Credits: 2

Further develops leadership skills by focusing on conventional basic squad and small unit tactics and introduces students to the basic tactical principles of maneuver. Examines the roots of national and Army values and better citizenship. Allows students to apply principles of ethical decision-making and resolve ethical issues in case studies. Examines the legal and historical foundations and duties and function of the Army officer. Students will analyze the roles officers played in the transition of the Army from the Vietnam Conflict to the 21st Century. Teaches basic soldier skills and squad-level tactical operations. Special

attention is devoted to development of leadership potential through practical exercises both in and out of the classroom.

Prerequisite(s): No prereq.

Term(s) Offered: Spring

MS 204 - Leader's Training (Basic Camp)

Credits: 4

Conducted at Fort Knox, Kentucky, home of the United States Armor Branch, during the summer months, covering a training period of approximately 30 days of paid training and excitement. The Department of Military Science ROTC battalion provides travel to and from Fort Knox. While at camp you will meet students from all over the nation while earning approximately \$800 in pay and receive free room and board while at camp. While at camp, you may apply for a two-year ROTC scholarship to cover up to \$16,000 at selected high-cost universities to pay for your remaining two years of college, \$510 annually for books, and earn a monthly stipend of over \$200 for 10 months per year. The Basic Camp is a way to catch up on missed Military Science courses in order to qualify the student to contract into the Advanced ROTC Course at USI.

Prerequisite(s): departmental approval.

Term(s) Offered: Summer

MS 241 - U.S. Military History I (1740-1900)

Credits: 3

The course will focus on U.S. military activity from the French and Indian War through the Spanish American War. Emphasis is on issues in command, impacts of technology, and the evolution of strategy and tactics in modern warfare. Students will conduct a battle analysis using a variety of techniques.

Term(s) Offered: Fall

MS 242 - U.S. Military History II (1900-Present)

Credits: 3

The course will focus on U.S. military activity from before WWI through the Persian Gulf War as well as highlighted concepts in contemporary peacekeeping operations. Emphasis is on issues in command, impacts of technology, and the evolution of strategy and tactics in modern warfare. Students will conduct a battle analysis using a variety of techniques.

Term(s) Offered: Spring

MS 301 - Small Unit Leadership

Credits: 3

Course is designed for those students who contract with Army ROTC to continue their military studies in pursuit of a commission as an officer into the Army following graduation from college. Course focus is to build cadet leadership competencies in

preparation for attendance and successful completion of ROTC Leader Development and Assessment Course, Ft. Lewis, Washington. Provides an in-depth review of the features and execution of the Leadership Development Program, providing the cadet with periodic assessment of performance in leadership positions. Students will study squad and platoon-level tactics, troop-leading procedures, mission analysis, land navigation skills training, military operations plans and orders development, execution of squad battle drills, and basic briefing techniques.

Prerequisite(s): department approval.

Term(s) Offered: Fall

MS 302 - Small Unit Operations

Credits: 3

Course is a follow-on module to the MS 301 class, preparing cadets for attendance and successful completion of ROTC Leader Development and Assessment Course, Ft. Lewis, Washington. Focus will center on advanced self-development through the Leadership Development Program and an advanced-learning environment of doctrinal leadership and tactical operations at the small unit level. Cadets will plan and conduct individual and collective skill training for offensive operations and a Field Training Exercise during the spring semester. Cadets will be exposed to the developmental counseling program throughout the course period.

Prerequisite(s): MS 301 and departmental approval.

Term(s) Offered: Spring

MS 401 - Leadership, Management, and Ethics

Credits: 3

Course is designed to develop, train, and transition the advanced course graduate from cadet to lieutenant for service as an officer. Cadet will study Army staff organizations, how they function, and the processes of the army's hierarchy organizational structure. Students will learn in-depth counseling responsibilities/methods, officer and non-commissioned officer evaluation report development, officer evaluation report support form development, and training plan development. Course analyzes the legal aspects of decision-making and leadership in action. Course will expose cadets to the foundations of leadership, operational law, and the key aspects of the Uniformed Code of Military Justice. Cadets will receive training on basic leader responsibilities to foster an ethical command climate and how to meet moral obligations, as well as leader responsibilities to accommodate subordinate spiritual needs.

Prerequisite(s): departmental approval.

Term(s) Offered: Fall

MS 402 - Transition to Lieutenant

Credits: 3

Continued advanced development and transition of the advanced camp graduate from cadet to lieutenant for service as an officer. Course is a follow-on module to the MS 401 class. Course will expose cadets to the in-depth study of leadership, operational law, and the key aspects of the Uniformed Code of Military Justice with a hands-on approach with interactive scenarios being utilized in class. Students will undergo hands-on training and instruction in Joint Ethics regulations, joint strategic level operations, study

of army administrative and logistics management, in-depth counseling techniques, and duty at first military assignment. Course will cover the Army's training philosophy, METL development, equipment readiness, and rules of engagement during deployment operations. Students also will receive training in personal awareness financial planning.

Prerequisite(s): MS 401 and departmental approval.

Term(s) Offered: Spring

NURS 246 - Introduction to Professional Nursing

Credits: 5

This course introduces students to essential characteristics of professional nursing practice in today's healthcare system and the interconnected global community. Concepts to be explored include the history and theoretical basis of the nursing profession, the profession as part of a wider healthcare community and delivery system, professional communication, self-understanding and self-care as means to promote health and wellness of self and others. An introduction to the responsibility of self-directed, life-long learning and evidence-based practice is included. An emphasis will be placed on the complexity and holism of culturally sensitive nursing care in relation to the diversity of patients.

USI Core 39: Embedded Experience-Diversity; Embedded Experience-Writing.

Prerequisite(s): ENG 201 and 50 hours of required non-nursing courses including all science courses.

Term(s) Offered: Spring

NURS 247 - Health Assessment

Credits: 3

This course focuses on beginning skill development in the psychosocial and physical assessment of the health status of individuals across the lifespan. Emphasis is on the collection of subjective and objective data, physical examinations and documentation. The importance of culturally sensitive care and evidence-based practice are integrated into all aspects of patient assessment.

Prerequisite(s): 50 hours of required non-nursing courses including all science courses.

Term(s) Offered: Spring

NURS 267 - Health Assessment for Registered Nurses

Credits: 3

This course focuses on developing the practicing nurse's skill in psychosocial and physical assessment. Emphasis on the collection of subjective and objective data, physical examinations, documentation, and clinical implications of findings. The importance of culturally sensitive care and evidence-based practice are integrated into all aspects of patient assessment.

Term(s) Offered: Fall, Summer

NURS 353 - Nursing Research and Evidence Based Practice

Credits: 3

This course provides nursing students the knowledge and skills to translate current evidence into practice. Students learn the interrelationships among theory, practice, and research; the research process and how evidence is developed; protection of human subjects in the conduct of research, and application of evidence to clinical practice. Skill development to facilitate retrieval, appraisal, and synthesis of evidence will support student use of quality evidence to guide nursing practice. Development of writing and oral presentation skills will enable the student to collaborate with the interprofessional healthcare team to improve patient outcomes

USI Core 39: Embedded Experience-Writing.

Prerequisite(s): NURS 246, NURS 247, and ENG 201.

Term(s) Offered: Fall

NURS 356 - Pharmacology for Nurses

Credits: 2

This course provides the student with an introduction to pharmacotherapeutics, safe administration of medications, and medications related to the care of patients with specific disorders. Pharmacokinetic, pharmacodynamics, pharmacogenetics, principles of medication administration, medication terminology, systems of measurement and conversion, and medication calculations are discussed. Drug classifications, actions, side effects, adverse effects, and nursing implications of medication administration are presented. Use of the nursing process to safely administer medications and develop patient education plans is also emphasized.

Prerequisite(s): NURS 246 and NURS 247.

Term(s) Offered: Fall

NURS 357 - Introduction to Patient Care

Credits: 3

This course explores concepts essential to nursing practice with a focus on nursing interventions. An emphasis is placed on the development of knowledge, competence, communication, and caring with the nurse's professional role. Through class and clinical laboratory experiences, students learn to apply principles of safe and effective nursing care.

Prerequisite(s): NURS 246 and NURS 247.

Term(s) Offered: Fall

NURS 358 - Nursing Care of Adults I

Credits: 7

This course focuses on the application of the nursing process and further develops cognitive, affective, and psychomotor skills

necessary to provide nursing care for adults within a legal, ethical, and culturally sensitive framework. Students will integrate concepts from the sciences, liberal arts and nursing theory as a basis for their nursing practice. Evidence-based practice will be the foundation for providing care to patients on the continuum of illness and wellness.

Prerequisite(s): NURS 246, NURS 247, and NURS 357.

NURS 361 - Care of Elders and Families

Credits: 4

This course focuses on the integration of theories of aging, standards of practice, cultural influences, and pertinent public policy into the assessment of and interventions for older adults. Chronicity, caregiving, and end-of-life issues are included. Emphasis will be placed on utilization of evidenced-based practice.

Prerequisite(s): NURS 353, NURS 356, NURS 357, and NURS 358.

Term(s) Offered: Spring

NURS 363 - Mental Health Nursing

Credits: 4

This course focuses on therapeutic interaction, emphasizing the communication process and the concept of professional caring. Patterns of human responses associated with mental health and mental illness are examined across the lifespan. Within this framework, human responses to mental health and illness are identified. Students practice the therapeutic use of self, and implement culturally sensitive mental health nursing interventions in multiple clinical settings while utilizing methods of evidenced-based practice.

Prerequisite(s): NURS 353, NURS 356, NURS 357, and NURS 358.

Term(s) Offered: Spring

NURS 364 - Care of Children and Families

Credits: 4

This course focuses on the care of the child and adolescent specific to developmental levels. Age-specific culturally sensitive health promotion issues and health problems through theoretical and clinical application are addressed. The course emphasizes the interrelationship of pathophysiology, clinical symptoms and complications, disease-specific assessment, risk factors, nursing process, collaborative management, and expected outcomes. Emphasis will be placed on evidenced-based practice.

Prerequisite(s): NURS 353, NURS 356, NURS 357, and NURS 358.

Term(s) Offered: Spring

NURS 367 - Application of Evidence Based Practice

Credits: 3

This course provides Registered Nurses with knowledge and skills to translate current evidence into practice. Students learn the interrelationships among theory, practice, and research, the research process, and the protection of human subjects in the conduct of research. Students learn how to integrate clinical expertise with evidence to provide high quality patient centered care. Skill development to facilitate retrieval, appraisal, and synthesis of evidence will support student use of high quality evidence to guide nursing practice. Development writing and presentation skills will enable the student to better collaborate with the interprofessional healthcare team to improve patient outcomes.

USI Core 39: Embedded Experience-Writing.

Prerequisite(s): ENG 201, NURS 451 and either HP 302 or MATH 241

Term(s) Offered: Fall, Spring, Summer

NURS 368 - Nursing Care of the Adult II

Credits: 4

This course focuses on the utilization of the nursing process as a basis for providing nursing care to adult patients in acute and community-based settings. The role of the nurse as a collaborator in the healthcare team will be emphasized. Students will apply concepts from the sciences, liberal arts, and nursing theory as a basis for their nursing practice. Students will examine culturally sensitive human responses along the continuum of illness and wellness utilizing evidenced-based practice.

Prerequisite(s): NURS 353, NURS 356, NURS 357, and NURS 358.

Term(s) Offered: Spring

NURS 451 - Transition to Advanced Nursing Practice

Credits: 3

Preparation of associate or diploma nurse graduates for professional practice in diverse health care settings. Students explore theories, concepts, and assumptions foundational to contemporary nursing practice, patient centered care, and baccalaureate nursing education. Students develop the knowledge and skills necessary for success in distance education and scholarly work including an understanding of the BSN program, the ability to identify and locate scholarly resources, and professional communication and writing skills.

USI Core 39: Embedded Experience-Writing.

Prerequisite(s): ENG 201 and consent of instructor or advisor (required).

Term(s) Offered: Fall, Spring, Summer

NURS 455 - Population-Focused Nursing Practice

Credits: 4

This course emphasizes population- focused nursing practice which promotes healthy environmental conditions, lifestyle, and behaviors that improve the health of a community or population. Students focus on community assessment, including use of

epidemiologic data to determine lifestyle, environmental, and genetic factors that are major determinants of population health. Emphasis is placed on primary prevention, health promotion, disease and injury prevention across the lifespan. Students collaborate with other professionals and stakeholders to identify and reach out to populations who might benefit from service, and apply evidence-based practice, including immunization, screening, and counseling to prevent and manage health conditions, prevent disability, and mortality.

Prerequisite(s): NURS 361, NURS 363, NURS 364, and NURS 368.

Term(s) Offered: Fall

NURS 456 - Nursing of Women and Families

Credits: 4

This course explores reproduction, pregnancy, selected women's health issues and newborn care through theoretical and clinical application. Individual family and cultural influences are explored as they relate to nursing care of the family unit. Specialized assessment techniques are integrated through clinical practice. Delegation and prioritization of nursing care are emphasized and integrated throughout the course.

Prerequisite(s): NURS 361, NURS 363, NURS 364, and NURS 368.

Term(s) Offered: Fall

NURS 457 - Population-Focused Care for Registered Nurses

Credits: 4

This course emphasizes population-focused nursing practice which promotes healthy environmental conditions, lifestyle, and behaviors that improve the health of a community or population. Registered nurses build on previous clinical experience with a focus on community assessment, including use of epidemiologic data to determine lifestyle, environmental, and genetic factors that are major determinants of population health. Emphasis is placed on primary prevention, health promotion, disease and injury prevention across the lifespan. Students collaborate with other professionals and stakeholders to identify and reach out to populations who might benefit from service, and apply evidence-based practice, including immunization, screening, and counseling to prevent and manage health conditions, prevent disability, and mortality.

Prerequisite(s): NURS 451.

Term(s) Offered: Spring

NURS 467 - Professional Nursing and Healthcare Issues

Credits: 3

This course examines issues related to professional nursing and healthcare from a historical, economic, legal/ethical, global, political, multidisciplinary and multicultural framework. Evidence-based strategies designed to influence organizational, institutional, and governmental decisions impacting nursing and healthcare are discussed. Topics for discussion are selected based upon current issues and trends in nursing practice, nursing education, and healthcare.

Prerequisite(s): NURS 455, NURS 456, and NURS 468 for undergraduate nursing students or NURS 451 for RN completion students.

Term(s) Offered: Spring, Summer

NURS 468 - Nursing Care of Adults III

Credits: 8

This course focuses on human responses to complex, multidimensional health problems of adult patients. The student will study care of the patient across the continuum of acute illness, chronic illness, and rehabilitation. The role of the nurse as coordinator of care will be emphasized. The course examines the interrelationships of pathophysiology, clinical symptoms and complications, risk factors, nursing process, collaborative management, and expected outcomes.

Prerequisite(s): NURS 361, NURS 363, NURS 364, and NURS 368.

Term(s) Offered: Fall

NURS 470 - Special Topics in Nursing

Credits: 1-3

This course provides the opportunity for analysis and synthesis of concepts and research related to special topics in nursing and healthcare.

Repeatability: A student may enroll in NURS 470 a total of two times for a maximum of 6 credit hours.

NURS 471 - Health Assessment

Credits: 3

This course includes didactic instruction in physical assessment, developmental screening and history taking. Teaching methods include lecture, independent study laboratory and clinical practice.

NURS 472 - Home Health Nursing

Credits: 3

Review concepts pertinent to general nursing practice within the home environment. Theoretical framework relevant to home care for clients using a multidisciplinary approach are examined.

Prerequisite(s): permission of instructor.

NURS 474 - Perioperative Nursing

Credits: 3

Explores the role of the perioperative nurse focusing on intraoperative, preoperative and postanesthesia nursing care through various teaching methodologies including clinical activities with preceptor.

Prerequisite(s): permission of instructor.

NURS 476 - Cardiovascular Surgical Nursing

Credits: 3

Advanced knowledge and research concerning the care of patients undergoing cardiac surgery is presented. The collaborative role of the nurse while participating in the care of the critically ill cardiac surgery patient is emphasized.

NURS 478 - Rehabilitation Nursing

Credits: 3

This course examines the scope of professional nursing practice in the specialty of rehabilitation nursing. Emphasis will be placed on the diagnosis and treatment of individual and group responses to actual and potential health problems as a result of altered functional ability and altered lifestyle.

NURS 480 - Internship in Community-Based Nursing

Credits: 1-3

This course provides students with an opportunity to increase their understanding of the knowledge, skills, and competencies needed for successful practice in a community-based nursing role. Students will be paired with a community-based preceptor in a clinical setting. Individualized experiential learning opportunities for the student will be identified in collaboration with faculty and preceptor. Current issues related to community-based nursing practice will be addressed.

NURS 482 - Oncology Nursing

Credits: 3

Advanced knowledge of adult oncology nursing is presented. The dimensions of prevention and early detection, diagnosis, treatment, palliation, rehabilitation, and survivorship are studied with diagnostic evaluation, classification, staging, and various treatment modalities for a selected range of malignancies.

NURS 484 - Healthcare Outcomes: Integrating Nursing Case Management and Disease Management

Credits: 3

This course investigates the concepts of case management focusing on the policy, economic and cares factors that influence positive outcomes for individuals or groups of individuals. Emphasis will be placed on the integration of nursing with case management and disease management concepts.

NURS 487 - Leadership in Nursing and Healthcare Organizations

Credits: 6

The course provides registered nurses the knowledge and skills for the application and synthesis of leadership theories, principles, and practices within the context of the role of the Baccalaureate prepared nurse. Introduction to the role of nurse manager and leader is emphasized and integrated within the clinical experience. Students will analyze and apply quality improvement and safety principles and practices to discern the impact on error reduction, patient outcomes, and quality of care.

Prerequisite(s): NURS 451.

Term(s) Offered: Fall

NURS 488 - Leadership in Care Delivery

Credits: 6

This course provides prelicensure nursing students knowledge and skills for the application and synthesis of leadership theories, principles and practices within the context of care delivery. Management of care for groups of patients with multidimensional health problems is emphasized and integrated within the clinical experience. Students will analyze and apply quality improvement and safety principles and practices to discern the impact on error reduction, patient outcomes, and quality of care.

Prerequisite(s): NURS 455, NURS 456 and NURS 468.

Term(s) Offered: Spring

NURS 492 - Clinical Synthesis

Credits: 4

This course provides the RN-BSN student with a concentrated clinical experience designed to expand and synthesize nursing knowledge and evidence-based practice. Students will refine their clinical skills as a critical thinker possessing knowledge and communication skills to problem solve. Students will enhance their clinical skills while effectively using resources and integrating evidence-based practice to provide quality and cost-effective healthcare in varying environment.

Prerequisite(s): NURS 353.

Term(s) Offered: Fall, Spring, Summer

NURS 498 - Internship in Professional Nursing

Credits: 4

This course provides the students with a concentrated clinical experience designed to synthesize nursing knowledge and evidence-based practice. Students will refine leadership and management skills as they function as integral members of the healthcare team. Students provide and coordinate direct care for groups of patients in an approved clinical setting. Seminar discussion topics will be related to current clinical practice issues.

Prerequisite(s): NURS 467 and NURS 488 (may be taken concurrently).

Term(s) Offered: Spring

NUTR 203 - Introduction to Food, Nutrition, and Dietetics

Credits: 1

This course provides students with a general overview of practice in food, nutrition, and dietetics. Students gain a beginning understanding of state and national credentialing requirements, certification standards, ethics, and life-long learning needs.

Prerequisite(s): None.

Term(s) Offered: Fall, Spring

NUTR 205 - The Profession of Dietetics

Credits: 1

This course provides students with a general overview of the history, philosophy, and practice of dietetics and how dietitians collaborate with other disciplines. Students gain a beginning understanding of the Accreditation Council for Education in Nutrition and Dietetics (ACEND) standards, the Academy of Nutrition and Dietetics (AND) scope of practice, the code of ethics, and advocacy methods. Students will recognize state and national credentialing requirements and life-long learning needs. Current issues in dietetics and healthcare will be discussed, such as evidence-based practice, the nutrition care process, and informatics.

Prerequisite(s): NUTR 203. Students must be admitted to the dietetics program to enroll in this course.

Term(s) Offered: Spring

NUTR 285 - Management Fundamentals in Food and Nutrition

Credits: 3

This course focuses on defining and applying management theories and functions in food and nutrition settings. Human, material, and facility management will be discussed. Students gain an understanding of the tools available for managing effective and efficient food and nutrition organizations.

Prerequisite(s): None.

Term(s) Offered: Spring

NUTR 376 - Principles and Applications in Nutrition

Credits: 3

Principles and applications in nutrition emphasize the relationships among the nutrients and how homeostasis relationships are maintained in the healthy person. Students will learn more about themselves and their health in an effort to use this knowledge to improve their health. This knowledge of nutrition will allow students to personalize information to fit their lifestyle. Special attention to nutrition for the developing human and lectures focusing on nutrition counseling will address the needs of dental hygiene students and other health professionals seeking concepts in applied nutrition.

Prerequisite(s): MATH 108 and CHEM 107 recommended.

Term(s) Offered: Fall, Spring, Summer

NUTR 378 - Nutrition for Fitness and Sports

Credits: 3

An overview of the relationship of basic nutrition and energy systems to physical activity and body composition. This course examines popular myths and misconceptions associated with nutrition and performance. Incorporates application of introductory biochemistry.

Prerequisite(s): MATH 108 recommended.

Term(s) Offered: Spring

NUTR 381 - Quantity Food Production and Purchasing

Credits: 4

This course provides application of the principles of nutrition and food production in meal service from both a family social unit and the broad spectrum of food service. This course will focus on different stages of food service from menu planning and recipe conversion through the end result of serving the food. Special consideration will be given to meeting nutritional needs, food safety, cultural diversification, and consumer satisfaction. Purchasing and inventory techniques will be examined. In conjunction with the University of Southern Indiana Food Service and other food service establishments, this course will include a practicum in management. Includes a laboratory.

Prerequisite(s): NUTR 285 and BIOL 141, BIOL 133, or BIOL 122.

Term(s) Offered: Fall

NUTR 383 - Practical Applications and Evaluation of Food Preparation and Nutrition

Credits: 3

This course will focus on the study of practical applications of food science for food preparation and nutrition. Students will study the functions of specific ingredients in food, their sources in the food supply, and their effects on health. They will explore methods to maintain or improve the nutritional value of food while maintaining taste appeal. Students will apply information from food labels and modify recipes to address health concerns, prepare foods using various cooking methods, and discuss the influence of vegetarianism, culture, socio-economics, and psychological factors on food choices.

Prerequisite(s): NUTR 376 and NUTR 381 plus an introductory chemistry course (CHEM 103, CHEM 107, CHEM 141, CHEM

175, or CHEM 261).

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): 2-2

NUTR 384 - Principles and Applications in Food Science

Credits: 3

This course will focus on the studies of foods in relation to their composition of physical and chemical properties. This course will include the experimental approach to the study of foods. Throughout this course, sensory evaluation techniques will be utilized. Recipe development and modification will be explored. Includes a laboratory.

Prerequisite(s): NUTR 376 and NUTR 381, CHEM 103 or CHEM 141 or CHEM 261. Students must be admitted to the dietetics program to enroll in this course.

Term(s) Offered: Spring

NUTR 396 - Nutrition Throughout the Lifecycle

Credits: 3

This course focuses on understanding the normal nutritional requirements and needs of special populations throughout the lifecycle. Growth and development theories will be discussed and nutrition concerns will be examined for pregnant women, breastfeeding mothers, and the growing infant, child and adolescent. Students will investigate nutrition-related concerns during the lifecycle and offer appropriate suggestions for management of these concerns. Recommendations for preventing disease and promoting healthy aging will be discussed.

Prerequisite(s): NUTR 376.

Term(s) Offered: Fall, Spring

NUTR 397 - Nutrition in Health Promotion and Disease Prevention

Credits: 3

This course focuses on understanding the role of nutrition in health promotion and disease prevention. Students will have a better understanding of health and food consumption behaviors of the United States population by evaluating population-based studies. Students will locate, interpret and analyze National nutrition surveys and epidemiological studies to determine their use in health promotion. An enhanced understanding of the role of genetics on disease development will be provided. Current food consumption and lifestyle practices of people from diverse cultures and religions will be examined.

Prerequisite(s): ENG 201, NUTR 376 and NUTR 396.

Term(s) Offered: Spring

NUTR 412 - Advanced Human Metabolism

Credits: 4

This course focuses on understanding the relationship between food and nutrients, the science of chemistry of the living organism, and health. The course stresses the importance of nutrient interactions and regulation of metabolism. The methods used to assess both nutrient requirements and deficiencies will be studied.

Prerequisite(s): NUTR 376, BIOL 122, and CHEM 241 or CHEM 354. Students must be admitted to the dietetics program to enroll in this course.

Term(s) Offered: Fall

NUTR 415 - Dietary Supplements and Herb Use in Nutrition

Credits: 3

This course focuses on understanding the role of supplements from a nutrition standpoint in maintaining and promoting health. Common supplements used such as vitamins, minerals, herbs, and other substances will be discussed. Emphases are placed on understanding the history of their use, their proposed mechanisms of action, and safety concerns using the process of a critical review of the literature. Students will analyze the role of these supplements when making nutritional recommendations to individuals and groups.

Prerequisite(s): NUTR 376.

Term(s) Offered: Fall

NUTR 420 - Practicum in Food, Nutrition and Wellness

Credits: 1-6

This course provides junior- and senior-level students who meet eligibility criteria with the opportunity to gain practical insight into the food and nutrition environments while applying their management knowledge skills. The experience will lead to deeper appreciation and valuable understanding of practical workplace situations. The students will be able to apply their leadership and teamwork skills.

Prerequisite(s): NUTR 376, NUTR 285, and NUTR 381.

Repeatability: Repeatable to a maximum of six hours.

Term(s) Offered: Fall, Spring, Summer

NUTR 427 - Senior Project in Food and Nutrition

Credits: 3

This course will provide application of the principles of food production and nutrition by designing a menu and serving a meal. Students will focus on assessing needs, planning, implementing, and evaluating a food service meal. Students will utilize their knowledge of food service management and apply food and nutrition principles in a group setting.

Prerequisite(s): NUTR 285, NUTR 376, and NUTR 381.

Term(s) Offered: Spring

NUTR 452 - Nutrition and Health Assessment

Credits: 3

This course will focus on the comprehensive principles and methods of scientific nutrition assessment. Students will examine the methods and tools of the assessment process. Students will demonstrate assessment skills and proficiency in choosing appropriate tools and methods in order to utilize the nutrition care process.

Prerequisite(s): HP 115 and NUTR 396. Students must be admitted to the dietetics program to enroll in this course.

Term(s) Offered: Spring

NUTR 465 - Community Nutrition

Credits: 3

This course focuses on understanding the role of nutrition in public health. It will allow for an understanding of the tools used to design and implement community nutrition programs that promote and protect the public's health. Emphases are placed on community nutrition assessment, program planning, monitoring, and evaluation. Methods to impact the health of the community including nutrition policy making, advocacy, and the legislative process will be discussed.

Prerequisite(s): NUTR 376 and NUTR 396.

Term(s) Offered: Spring

NUTR 481 - Nutritional Education, Counseling and Theory

Credits: 3

This course focuses on the acquisition of nutrition counseling knowledge and the development of interpersonal skills that would enhance the translation of nutrition knowledge into healthy food choices. Employing a problem-solving model, the course covers counseling strategies and techniques, interviewing methods, psychological theories, life span and cross-cultural considerations for counseling, emotional factors of nutrition, eating disorders, ethics, and professional aspects of practice. Students will be challenged to apply and think critically about different counseling techniques and situations. Appropriate educational materials and documentation methods will be evaluated and developed as needed.

Prerequisite(s): PSY 201, NUTR 396 and NUTR 397, or consent of instructor. Students must be admitted to the dietetics program to enroll in this course.

Term(s) Offered: Spring

NUTR 485 - Medical Nutrition Therapy I

Credits: 3

This course focuses on understanding the diseases that are modifiable by medical nutrition therapy (MNT). The nutrition care process and MNT of hyperlipidemia, diabetes, hypertension, malnutrition including under- and over-nutrition and renal diseases

will be covered. The pathophysiology, dietary treatments, and evidence supporting MNT will be discussed.

Prerequisite(s): NUTR 376, BIOL 122, and NUTR 452. Students must be admitted to the dietetics program to enroll in this course.

Term(s) Offered: Fall

NUTR 486 - Medical Nutrition Therapy II

Credits: 3

This course focuses on understanding the diseases that are modifiable by medical nutrition therapy (MNT). The nutrition care process and MNT of liver, respiratory, gastrointestinal, cancer, and other metabolic diseases across the lifespan will be covered. The role of genetics in nutrition will be covered. The pathophysiology, dietary treatments, and evidence supporting MNT will be discussed.

Prerequisite(s): NUTR 376, BIOL 122 and NUTR 485. Students must be admitted to the dietetics program to enroll in this course.

Term(s) Offered: Spring

NUTR 492 - Food Service Operations Management

Credits: 3

This course will be a systems approach to food service management. Program planning, forecasting, program evaluation, and marketing will be discussed. This course will cover cost control methods that are specific to managing food service operations, including food waste and theft.

Prerequisite(s): NUTR 285, NUTR 381, and HP 411 or MNGT 201 or MNGT 305.

Term(s) Offered: Fall

NUTR 496 - Leadership and Professional Issues in Food and Nutrition

Credits: 3

This course will explore current political, regulatory, ethical, training, quality improvement, management, and other important related issues facing food and nutrition professionals. Students will use their educational foundation to investigate, identify, and suggest alternative methods of resolving these problems. The course will examine the leadership roles of food and nutrition professionals. Students will apply this knowledge by investigating current controversial issues in food and nutrition and will develop solutions to these problems.

USI Core 39: Embedded Experience-Writing.

Prerequisite(s): ENG 201, NUTR 285 and junior or senior standing.

Term(s) Offered: Spring

OTA 213 - Pathophysiology and Conditions I

Credits: 3

This course provides an overview of the etiology, clinical course, management, and prognosis of congenital and developmental disabilities, acute and chronic disease processes, and traumatic injuries; and examines the effects of such conditions on functional performance throughout the lifespan as well as explores the effects of wellness on the individual, family, culture, and society.

Prerequisite(s): admission to OTA program.

Term(s) Offered: Fall

OTA 214 - Pathophysiology and Conditions II

Credits: 3

Providing a focus in the areas of neurology and orthopedics, this course continues the overview of the etiology, clinical course, management, and prognosis of congenital and developmental disabilities, acute and chronic disease processes, and traumatic injuries by examining the effects of such conditions on functional performance throughout the lifespan and by exploring the effects of wellness on the individual, family, culture and society.

Prerequisite(s): BIOL 121 and OTA 213.

Term(s) Offered: Spring

OTA 221 - Technical Communication

Credits: 3

The emphasis of this course is the development of skills in the areas of listening, speaking, reading, and writing. These skills include: interviewing; self, dyadic, and group interaction; documentation to ensure accountability and reimbursement of services; critical reading of research; public speaking; and participation in meetings. This course introduces the student to medical terminology used in many of the treatment settings.

Prerequisite(s): admission to OTA program.

Term(s) Offered: Fall

OTA 231 - Therapeutic Media

Credits: 3

The first half of this course includes a multicultural perspective to emphasize the analysis of activities, the performance and teaching of selected tasks and activities, and the grading and adapting of purposeful activity for therapeutic intervention. The focus of the second half of the course is assistive technology including orthotics and prosthetics.

Term(s) Offered: Fall

OTA 232 - Media and Modalities

Credits: 2

The student will be introduced to theory and clinical competencies needed to become proficient in basic splint fabrication skills and the medical conditions associated with each type of splint constructed. The course also will explore the use of assistive devices, adaptive equipment, and an overview of prosthetics, orthotics, and the use of physical agent modalities in treatment.

Prerequisite(s): admission to OTA program.

Term(s) Offered: Fall

OTA 241 - Occupational Performance Components I

Credits: 4

This course examines the occupational therapy process with an emphasis on optimal occupational performance which enhances lifespan role functioning across occupational performance contexts. This course examines the interplay of performance areas and concomitant performance components with a focus on psychosocial skills.

Prerequisite(s): admission to OTA Program.

Term(s) Offered: Fall

OTA 242 - Occupational Performance Components II

Credits: 5

This course examines the occupational therapy process with an emphasis on optimal occupational performance which enhances lifespan role functioning across occupational performance contexts. This course examines the interplay of performance areas and concomitant performance components with a focus on sensorimotor and cognitive skills.

Prerequisite(s): OTA 241.

Term(s) Offered: Spring

OTA 297 - Practicum Seminar A

Credits: 2

Along with a 40-clock-hour Level I practicum experience, this first practicum course provides students opportunities to discuss fieldwork matters and integrate fieldwork with occupational therapy process and practice issues.

Prerequisite(s): admission to OTA Program.

Grading: Pass/No Pass

Term(s) Offered: Fall, Spring, Summer

OTA 298 - Practicum Seminar B

Credits: 2

Along with a 40-clock-hour Level I practicum experience, this second practicum course provides students additional opportunities to discuss field work matters and integrate field work with occupational therapy process and practice issues.

Prerequisite(s): OTA 297.

Term(s) Offered: Fall, Spring, Summer

OTA 343 - Occupational Performance Areas I

Credits: 5

This course examines the occupational therapy process with an emphasis on optimal occupational performance which enhances lifespan role functioning across occupational performance contexts. This course examines the interplay of performance components and their effects on subsequent performance areas, particularly activities of daily living and play or leisure.

Prerequisite(s): OTA 241.

Term(s) Offered: Spring

OTA 344 - Occupational Performance Areas II

Credits: 4

This course examines the occupational therapy process with an emphasis on optimal occupational performance which enhances lifespan role functioning across occupational performance contexts. This course examines the interplay of performance components and their effects on subsequent performance areas, particularly work and productive activities.

Prerequisite(s): OTA 343.

Term(s) Offered: Summer

OTA 345 - Occupational Performance in Pediatrics

Credits: 3

The emphasis of this course is the development of skills in use for the pediatric population including evaluation and treatment planning using developmental, cognitive, motor and psychosocial therapies. The use of experiential learning techniques will reinforce presented concepts.

Prerequisite(s): admission to OTA program.

Term(s) Offered: Summer

OTA 350 - Independent Study

Credits: 1-12

This elective course may be customized for the special interest of the student. Students may complete this independent study by participating in faculty-approved supervised service delivery, research projects under the direction of faculty, or another faculty-approved project.

Prerequisite(s): admission to OTA Program.

Term(s) Offered: Fall, Spring, Summer

OTA 372 - Management for Occupational Therapy Assistants

Credits: 3

General management principles such as planning, organizing, staffing, coordinating/directing, controlling, budgeting, marketing, strategic planning are applied to the management of activities service. There is an emphasis on the development of supervisory skills for occupational therapy students, certified occupational therapy assistants, and other personnel.

Prerequisite(s): OTA 221.

Term(s) Offered: Summer

OTA 397 - Technical Fieldwork A

Credits: 3

While working with persons having various levels of psychosocial, sensorimotor, and cognitive performance components, students have opportunities for synthesis, the integration and application of knowledge gained throughout their educational experiences which include general education/liberal arts courses as well as the sequence of occupational therapy coursework. Students will examine the interplay among occupational performance areas, components, and contexts; develop and expand a repertoire of occupational therapy treatment interventions; and employ clinical reasoning and reflective practice skills. Fieldwork A, a Level II internship of at least eight weeks (full-time) in duration, must vary from Fieldwork B to reflect a difference in ages across the lifespan of persons requiring occupational therapy services, in the setting with regard to chronic conditions (long-term versus short-term), and in facility type (institutional versus community-based).

Prerequisite(s): completion of OTA 297 & OTA 298.

Term(s) Offered: Fall, Spring, Summer

OTA 398 - Technical Fieldwork B

Credits: 3

While working with persons having various levels of psychosocial, sensorimotor, and cognitive performance components, students have opportunities for synthesis, the integration and application of knowledge gained throughout their educational experiences which include general education/liberal arts courses as well as the sequence of occupational therapy coursework. Students will examine the interplay among occupational performance areas, components, and contexts, develop and expand a repertoire of occupational therapy treatment interventions, and employ clinical reasoning and reflective practice skills. Fieldwork B, a Level II internship of at least eight weeks (full-time) in duration, must vary from Fieldwork A to reflect a difference in ages across the lifespan of persons requiring occupational therapy services, in the setting with regard to chronicity (long-term versus

short-term disability/disease process), and in facility type (institutional versus community-based).

Prerequisite(s): completion of OTA 397.

Term(s) Offered: Fall, Spring, Summer

PHIL 200 - Introduction to Philosophy

Credits: 3

The nature of philosophy and its problems.

USI Core 39: Ways of Knowing-Historical Inquiry; Embedded Experience-Diversity.

This course is part of the Core Transfer Library (CTL).

Indiana Statewide Common Course #: ISH 1050.

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

Term(s) Offered: Fall, Spring, Summer

PHIL 201 - Introduction to Ethics

Credits: 3

An in-depth study of issues in practical or applied ethics.

USI Core 39: Ways of Knowing-Moral and Ethical Reasoning; Embedded Experience-Diversity.

This course is part of the Core Transfer Library (CTL).

Indiana Statewide Common Course #: ISH 1051.

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

Term(s) Offered: Fall, Spring, Summer

PHIL 205 - Introduction to Logic

Credits: 3

Forms of inference in terms of traditional logic.

Term(s) Offered: Spring

PHIL 251 - Introduction to the Study of Religions

Credits: 3

An introductory survey course designed to expose students to the scholarly methods, disciplines, and topics involved in the academic study of religions.

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

Term(s) Offered: Fall, Spring

PHIL 301 - Theoretical Ethics

Credits: 3

An in-depth study of traditional and contemporary meta-ethical and normative theories.

Prerequisite(s): one philosophy course or consent of instructor.

PHIL 304 - Philosophy of Art

Credits: 3

Representative theories of the nature and evaluation of art.

Prerequisite(s): one philosophy course or consent of instructor.

PHIL 305 - Introduction to Symbolic Logic

Credits: 3

An examination of the principles and methods of the several branches of symbolic logic.

PHIL 312 - Ethics in the Professions

Credits: 3

This course provides participants with the foundation for understanding and applying ethical standards and analysis in professional careers including, but not limited to business, engineering, law, mass media, and medicine. The course will survey contemporary ethical theories and explore the ethical codes, standards, and practices specific to the student's chosen career.

Prerequisite(s): junior standing and consent of instructor.

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

PHIL 344 - Contemporary Philosophy

Credits: 3

A study of the philosophical thought of important 20th century figures, such as Russell, Wittgenstein, Quine, and Heidegger.

Prerequisite(s): one philosophy course or consent of instructor.

PHIL 350 - History of Philosophy I

Credits: 3

A study of the history and development of philosophical ideas from ancient Greece to the close of the Middle Ages, including Plato and Aristotle.

Prerequisite(s): one philosophy course or consent of instructor.

Term(s) Offered: Fall

PHIL 351 - History of Philosophy II

Credits: 3

A study of the history of early modern philosophy including such major philosophers as Descartes, Leibniz, Locke, Hume and Kant.

Prerequisite(s): one philosophy course or consent of instructor.

Term(s) Offered: Spring

PHIL 361 - Special Problems in Philosophy

Credits: 3

Repeatable with a change in course content. A study of some selected problem, movement, or philosopher in the field of philosophy.

Prerequisite(s): one philosophy course or consent of instructor.

PHIL 362 - Interdisciplinary Problems

Credits: 3

Repeatable with a change in course content. An interdisciplinary study of some problem or concept in which the perspective of philosophy is involved.

PHIL 363 - Bioethics

Credits: 3

A critical survey of the ethical issues generated by research and practice in the fields of biology and medicine.

Prerequisite(s): one philosophy course or consent of instructor.

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

PHIL 364 - Gender and Philosophy

Credits: 3

A survey of concepts essential to feminist social and political philosophy, including sexism, oppression, discrimination, patriarchy, and equality, with critical application of these concepts to current gender-related issues and to students' own experiences as men and as women.

Prerequisite(s): one philosophy course or consent of instructor.

PHIL 365 - Sexual Ethics

Credits: 3

An examination of various philosophical issues in sexual ethics, including the role of sexuality in human life, its relation to love and to marriage, the meaning and value of sexual freedom, the moral status of homosexuality, the meaning of sexual consent, and sexual objectification and co-modification.

Prerequisite(s): one philosophy course or consent of instructor.

PHIL 366 - Environmental Ethics

Credits: 3

This course examines the history and nature of how human relationships to ecosystems create moral obligations to act responsibly with respect to future generations of humans, non-human animals, and the ecosystems of the planet itself. It analyzes the historical roots of current environmental problems as well as more recent theories of environmental ethics such as land ethic, ecofeminism, and deep ecology. Topics may include, but are not limited to: global warming, overpopulation, endangered species, sustainable agricultural practices, genetic engineering, and corporate accountability.

Prerequisite(s): one philosophy course or consent of instructor.

PHIL 377 - Introduction to Cognitive Science

Credits: 3

Required: This course fulfills a requirement for the cognitive science minor. Cognitive Science is the interdisciplinary science of the human mind and cognition. Students will explore elementary neuroscience, perception and learning, robotics/artificial intelligence, neural networks, and other efforts to model human intelligence using machines. Insights are drawn from several fields, including artificial intelligence, linguistics, neuroscience, philosophy, psychology and robotics.

Prerequisite(s): sophomore standing or consent of instructor.

PHIL 413 - Philosophy of Religion

Credits: 3

Basic problems and philosophically significant theories of religion, including such problems as the relation of faith and reason, and the existence of God.

Prerequisite(s): one philosophy course or consent of instructor.

PHIL 415 - History of Rhetoric

Credits: 3

An understanding and comparison of various movements in the history of rhetoric, with particular emphasis on the relationship between rhetorical strategy and one's image of men and on historical events which have influenced rhetoric. The course aims to increase the scope of students' understanding of rhetoric and help them apply this knowledge to their own writing and their evaluation of the writing of others.

Prerequisite(s): ENG 201 and junior status.

Cross-Listed: Dual listing with English.

PHIL 418 - Metaphysics

Credits: 3

Alternative theories of the nature of ultimate reality and related questions about the nature, function, and possibility of such theories.

Prerequisite(s): one philosophy course or consent of instructor.

PHIL 420 - Theory of Knowledge

Credits: 3

Alternative theories of the origin, nature, and possibility of knowledge.

Prerequisite(s): one philosophy course or consent of instructor.

PHIL 425 - Philosophy of Mind

Credits: 3

Covers topics in the traditional philosophy of mind, e.g., the mind/body problem and more contemporary issues such as intentionality, mental representation, and folk psychology.

Prerequisite(s): one course in philosophy or consent of instructor.

PHIL 435 - Philosophy of Science

Credits: 3

An examination of the nature of scientific knowledge and the relation of science to culture.

Prerequisite(s): one philosophy course or consent of instructor.

PHIL 441 - Political and Legal Philosophy

Credits: 3

An examination of some central issues in political and legal philosophy, e.g., free speech, racial and sexual equality, constitutional interpretation and the relationship between law and morality.

Prerequisite(s): one philosophy course or consent of instructor.

PHIL 499 - Independent Study in Philosophy

Credits: 1-3

A course for individual research in a specific area of philosophy. Topics arranged to meet the specific interests of the student and faculty member involved. Course topic should not be covered in a regularly scheduled course. Course will be offered at the discretion and approval of a full-time faculty member who supervises the research.

Prerequisite(s): PHIL 200 or PHIL 201, junior standing, and permission of instructor.

Repeatability: May be repeated once for a maximum of six hours of credit.

PET 287 - Physical Education and the Elementary School Classroom Teacher

Credits: 2

Provides students with the basic information about teaching physical education to children in elementary school. Develop, participate in, and teach developmentally appropriate physical activities for children in grades 1-6 including classroom, recess/playground, wellness, fitness, and integrated activities.

Prerequisite(s): Sophomore standing and elementary education major

Term(s) Offered: Fall, Spring, Summer

PET 292 - Principles of Teaching Dance and Aquatics

Credits: 2

Course provides students with the principles of teaching dance and aquatics in K-12 schools. Emphasis is placed on not only being able to perform, but to teach dance and aquatic activities. Field experiences will be required in this course.

Term(s) Offered: Fall

PET 293 - Teaching Developmental Activities

Credits: 4

Course provides students with the basic information related to teaching Pre-K to 6th grade physical education. Students will participate in eight weeks of field experience in an elementary physical education setting. Students will develop lessons that are safe and developmentally appropriate while ensuring maximum participation by all students with and without disabilities and using resources effectively.

Term(s) Offered: Fall

PET 294 - Principles of Teaching Dual and Team Sports

Credits: 3

Students will learn how to teach dual and team sports. Students will learn proper skill progressions and transition techniques that are used to link fundamental movement with sport skills, and how to evolve simple strategies into more complex offenses and defenses. Field experiences will be required in this course.

Prerequisite(s): PET 292 and PET 293

Term(s) Offered: Spring

PET 297 - Teaching Individual Dual Sports

Credits: 2

Students will learn how to teach individual and dual sports. Students will learn proper skill progressions, transition techniques that are used to link fundamental movement with sports skills, and how to evolve simple strategies into more complex offenses and defenses. Students must pass proficiency exam at 80 percent.

PET 371 - Applied Biomechanics and Exercise Physiology

Credits: 3

This course is designed to provide students with a comprehensive introduction to the physiological responses and adaptations to physical activity and exercise training in school age children. In addition, it will examine human movement and physical activity from anatomic, kinematic, and kinetic perspectives.

Prerequisite(s): BIOL 121 and BIOL 122. Physical Education major

Term(s) Offered: Fall

PET 388 - School Health

Credits: 3

This course seeks to present the background, content, and strategies necessary for teaching health education as part of a comprehensive school health program. Students may be required to fulfill field experiences at a local school.

Prerequisite(s): KIN 281 and Sophomore Standing

Term(s) Offered: Fall

PET 390 - Special Topics

Credits: 1-3

The purpose of the course is to provide students with an opportunity to do personal research in a specialized area in physical education. A maximum of three hours can count toward elective requirements.

PET 392 - Adapted Physical Education

Credits: 3

A study of dysfunctions and characteristics of people with atypical performances. Basic concepts and techniques of modifying physical activity for people with special needs.

Prerequisite(s): Sophomore Standing

Term(s) Offered: Fall

PET 395 - Curriculum Construction in Physical Education

Credits: 3

Planning programs, units, and lessons in physical education to achieve long- and short-term curriculum goals.

USI Core 39: Embedded Experience-Writing.

Prerequisite(s): ENG 201 and sophomore standing.

Note: student must provide evidence of passing PRAXIS I.

Term(s) Offered: Fall

PET 396 - Teaching Secondary Physical Education

Credits: 4

Provide students with the basic information related to teaching middle/secondary school physical education. Students will participate in developmental field experiences in a middle and/or secondary school setting. Students will develop complete lessons that are safe, developmentally appropriate while ensuring maximum participation by all students and using resources effectively.

Prerequisite(s): PET 395

Term(s) Offered: Spring

PET 402 - Controversial Issues in Health Education

Credits: 3

This course is designed to investigate current controversial topics in health education, which includes sexuality, obesity, death and dying, and other issues in health education. Students may be required to fulfill field experience.

USI Core 39: Ways of Knowing-Moral and Ethical Reasoning; Embedded Experience-Writing.

Prerequisite(s): ENG 201 and Junior standing.

Term(s) Offered: Spring

PET 442 - Community Health

Credits: 3

A comprehensive understanding of community health is conducted. The problems of community health are investigated. Prevention and intervention programs are examined. Student may be required to fulfill field experience.

Prerequisite(s): Junior Standing

Term(s) Offered: Spring

PET 471 - Assessment Strategies in Physical Education

Credits: 3

This course presents various assessment strategies in the psychomotor, cognitive, and affective domains. Basic statistical analysis is presented as well as practical experience in developing and administering tests. Students will interpret test results and create

plans for advancement and/or remediation.

Prerequisite(s): Junior standing.

Term(s) Offered: Fall

PET 493 - Emotional Health of Children in Sport

Credits: 3

The study of the physiological, psychological, and sociological variables that influence children's sport participation.

Prerequisite(s): PSY 201 and Junior Standing

Term(s) Offered: Summer

PET 494 - Program Planning and Evaluation in Health Education

Credits: 3

This course will introduce students to terminology, theories, models, and tools for planning, implementing, and evaluating programs in health education and health promotion. Students will be introduced to a systematic approach to the planning and evaluation of health education programs, a diagnosis of the social, psychological, educational, and administrative aspects of the health education program, and program monitoring, rigorous methods of impact assessment, and the measurement of efficiency.
NC1

Term(s) Offered: Spring

PHYS 101 - Introduction to the Physical Sciences

Credits: 3

Lectures and demonstrations of physics at a primarily conceptual level. Basic problem solving and the scientific method are introduced. Topics covered include Newton's Laws, energy, momentum, light, electricity, magnetism, thermodynamics, fluids, and selected topics from modern physics.

USI Core 39: Ways of Knowing-Scientific and Mathematical Inquiry; Natural Science (BA and BS).

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (3-0)

This course is part of the Core Transfer Library (CTL).

Indiana Statewide Common Course #: IPS 1750.

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

PHYS 108 - Physics for Educators

Credits: 2

Physics 108 is an introductory survey of Physics principles that govern our everyday lives. It covers the topics of energy, motion,

electricity and magnetism, light and optics, sound and waves, and thermodynamics. The lectures are interspersed with hands-on activities intended to reinforce concepts and to provide the students with ideas for teaching their own classes. This course is for teacher candidates only.

USI Core 39: Ways of Knowing-Scientific and Mathematical Inquiry; Natural Science with Lab

Prerequisite(s): MATH 100 (grade of C or better) or placement into MATH 111 or higher.

PHYS 175 - General Physics I

Credits: 4

Review of metric system and vectors, the laws of motion and applications, work and energy, states of matter and molecular properties, heat and thermodynamics. Calculus is not employed in the course.

USI Core 39: Natural Science with Lab (BA and BS).

Prerequisite(s): MATH 111 and MATH 112; or MATH 115; or MATH 118; or placement into MATH 230.

Co-Requisite(s) (must be taken at same time as): PHYS 175L.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (3-2)

This course is part of the Core Transfer Library (CTL).

Indiana Statewide Common Course #: IPS 175I.

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

PHYS 175L - General Physics I Laboratory

Credits: 0

Required laboratory accompanying PHYS 175. Includes experiments studying the laws of motion and applications, work and energy, states of matter and molecular properties, heat and thermodynamics.

Co-Requisite(s) (must be taken at same time as): PHYS 175.

PHYS 176 - General Physics II

Credits: 4

Wave motion and acoustics, electrostatic fields and potentials, electric current and circuit theory, magnetic fields, optics and the wave properties of light, atomic and nuclear physics. A continuation of PHYS 175.

USI Core 39: Natural Science with Lab (BA and BS).

Prerequisite(s): grade of C or better in PHYS 175.

Co-Requisite(s) (must be taken at same time as): PHYS 176L.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (3-2)

This course is part of the Core Transfer Library (CTL).

Indiana Statewide Common Course #: IPS 1752.

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

PHYS 176L - General Physics II Laboratory

Credits: 0

Required laboratory accompanying PHYS 176. Includes experiments studying wave motion and acoustics, electrostatic fields and potentials, electric current and circuit theory, magnetic fields, optics and the wave properties of light.

Co-Requisite(s) (must be taken at same time as): PHYS 176.

PHYS 205 - Intermediate Physics I

Credits: 5

An initial study of the phenomena and concepts of classical and modern physics in the areas of mechanics including energy and momentum principles, and heat and thermodynamics, with applications involving elementary calculus. An integrated laboratory serves to develop associated skills in measurement. Required of biophysics majors, minors, physics teaching majors, and engineering students.

USI Core 39: Natural Science with Lab (BA and BS).

Prerequisite(s): MATH 230.

Co-Requisite(s) (must be taken at same time as): PHYS 205L.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (4-2)

This course is part of the Core Transfer Library (CTL).

Indiana Statewide Common Course #: IPS 1753.

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

PHYS 205L - Intermediate Physics I Laboratory

Credits: 0

Required laboratory accompanying PHYS 205. Includes experiments studying the laws of motion and applications, work and energy, states of matter and molecular properties, heat and thermodynamics.

Prerequisite(s): MATH 230.

Co-Requisite(s) (must be taken at same time as): PHYS 205.

PHYS 206 - Intermediate Physics II

Credits: 5

A continuation of PHYS 205 in the areas of wave motion, acoustics, optics, electrostatics, circuit electricity, magnetism, and modern physics. Required of biophysics majors, minors, and engineering students.

USI Core 39: Natural Science with Lab (BA and BS).

Prerequisite(s): PHYS 205 (grade of C or better) and MATH 230.

Co-Requisite(s) (must be taken at same time as): PHYS 206L.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (4-2)

This course is part of the Core Transfer Library (CTL).

Indiana Statewide Common Course #: IPS 1754.

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

PHYS 206L - Intermediate Physics II Laboratory

Credits: 0

Required laboratory accompanying PHYS 206. Includes experiments studying wave motion and acoustics, electrostatic fields and potentials and potentials, electric current and circuit theory, magnetic fields, optics and the wave properties of light.

Prerequisite(s): PHYS 205 (grade of C or better).

Co-Requisite(s) (must be taken at same time as): PHYS 206.

PHYS 207 - Intermediate Physics I (Excluding Laboratory)

Credits: 4

This course is identical with PHYS 205 except the laboratory is excluded. This is intended for students who have previously acquired credit for the general physics laboratory by having completed course PHYS 175 or who have the equivalent in laboratory experience.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (4-0)

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

PHYS 208 - Intermediate Physics II (Excluding Laboratory)

Credits: 4

This course is identical to PHYS 206 except the laboratory is excluded. This is intended for students who have previously acquired credit for the general physics laboratory by having completed course PHYS 176 or who have the equivalent laboratory experience.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (4-0)

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

PHYS 311 - Electric Circuit Theory

Credits: 2

Direct current circuit theory. Alternating current circuit theory utilizing both methods of phasers and complex numbers. Problem solving is emphasized.

Prerequisite(s): PHYS 206, MATH 230.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (2-0)

PHYS 352 - Scientific Programming

Credits: 3

The application of computer programming to scientific problems. Students will learn how to formulate a scientific problem into a form relevant for a computer solution, and create a program that will solve the problem.

Prerequisite(s): PHYS 206 and MATH 335

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (2-1)

PHYS 361 - Modern Physics

Credits: 3

Physics of the 20th century. Atomic and nuclear phenomena relativity and other fundamental theories. An introduction to quantum mechanics is included.

USI Core 39: Ways of Knowing-Scientific and Mathematical Inquiry.

Prerequisite(s): PHYS 206, MATH 235.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (3-0)

PHYS 371 - Analytical Mechanics

Credits: 3

Theory and application of Newtonian mechanics using vector calculus methods. Topics include particle dynamics, energy and momentum principles, multiparticle systems. Problem solving is emphasized.

USI Core 39: Ways of Knowing-Scientific and Mathematical Inquiry.

Prerequisite(s): PHYS 205, MATH 235.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (3-0)

PHYS 381 - Electromagnetic Fields

Credits: 3

Formulation of the basic theory of electric and magnetic vector fields. Electrostatic and magneto static fields in free space and in material media, and the formulation of Maxwell's equations are included.

Prerequisite(s): PHYS 371, MATH 235.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (3-0)

PHYS 401 - Physics and Human Thought

Credits: 3

The course will cover some of the important ideas in physics and their relationship to other areas of human thought, e.g. philosophy, literature, and art. These relationships will be made through readings from works that have a direct connection to physics. The emphasis will be on learning the physical principles and their significance. The physical theories that will be covered include Newton's laws, energy conservation, the second law of thermodynamics, special relativity, and quantum mechanics. These theories will be framed in the context of the times in which they developed. The course will involve both the solving of "traditional physics problems" and the writing of essays relating the ideas developed in the problems to a wider context.

Prerequisite(s): MATH 111 or equivalent and PHYS 101 or equivalent.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (3-0)

PHYS 409 - Theoretical Mechanics

Credits: 3

Advanced methods in mechanics and higher theoretical formulations. Matrix and tensor methods are developed. Topics include rigid body mechanics, relativistic mechanics, Lagrangian and Hamiltonian formulations.

Prerequisite(s): PHYS 371, MATH 366.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (3-0)

PHYS 429 - Quantum Mechanics

Credits: 3

Fundamental physical theory pertaining to the microstate of matter. Topics include quantum mechanical solutions for the harmonic oscillators, the hydrogen atom, and the angular momentum states.

Prerequisite(s): PHYS 361, MATH 366.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (3-0)

PHYS 439 - Thermodynamics

Credits: 3

The first and second laws of thermodynamics; formulations, interpretations, and applications. The kinetic theory of gases and an introduction to the statistical mechanics.

Prerequisite(s): PHYS 371, MATH 235.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (3-0)

PHYS 471 - Observational Astronomy

Credits: 3

Lectures and practicum in the observation and understanding of the mechanics of the celestial sphere. Identification of the visible constellations, location, and observation of the planets, Messier objects, and solar and lunar studies. The orientation and use of the equatorial telescope will be emphasized. Two hours lecture and two hours laboratory.

Prerequisite(s): ASTR 201, MATH 112 or MATH 115.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (2-1)

PHYS 490 - Special Topics in Physics

Credits: 1-3

Advanced course for physics students.

Prerequisite(s): consent of instructor.

PHYS 499 - Research

Credits: 1-2

Advanced project in physics, done under instructor supervision.

Prerequisite(s): consent of instructor.

POLS 102 - Introduction to American Politics

Credits: 3

Explores the basic elements of the American political process and the institutions of American national government. Provides a foundation for the study of American government and politics.

USI Core 39: Ways of Knowing-Social Inquiry; Social Science-BS.

This course is part of the Core Transfer Library (CTL).

Indiana Statewide Common Course #: ISH 1002.

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

Term(s) Offered: Fall, Spring, Summer

POLS 202 - Introduction to Public Administration

Credits: 3

Examination of the organizational dynamics and external pressures that affect the administration of government institutions in the United States. Theories and concepts are discussed that pertain to a number of the administrative practices in national, state, and local government organizations: planning, budgeting, staffing, decision making, communicating, implementation, controlling, and evaluation.

POLS 203 - Introduction to the Policy Process in the United States

Credits: 3

Examination of the major theoretical approaches to the study of public policy and policymaking at the federal, state and local levels in the United States. The course focuses on critical elements of the policy process such as the definition of public problems, agenda setting, policy formulation, policy implementation, oversight, and policy change.

POLS 208 - Law, Courts, and Justice

Credits: 3

Sources, types, purposes, and sanctions of American law; functions of courts; problems of legal justice in the United States.

Cross-Listed: This course is cross-listed as CRIM 208.

Term(s) Offered: Fall, Spring

POLS 232 - Research Design and Data Collection

Credits: 3

An examination of how the scientific analyses to conducting focus groups and collecting data. Students will become better consumers of the political science literature, will become well versed in several data collection methods, and will become adept at writing research designs.

USI Core 39: Embedded Experience-Writing

Prerequisite(s): POLS 102, POLS 208, POLS 271, or POLS 281; ENG 201; political science major or minor.

POLS 271 - International Politics

Credits: 3

An introduction to the study of interstate political relations, power, nationalism, and international organizations; discussion of current trends in international affairs.

USI Core 39: Ways of Knowing-Social Inquiry; Embedded Experience-Global.

This course is part of the Core Transfer Library (CTL).

Indiana Statewide Common Course #: ISH 1003.

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

POLS 281 - Comparative Politics

Credits: 3

Introduction to the comparative study of governments and politics. Examines case studies of the political systems of selected nations, including non-democratic regimes such as communism, military rule, and theocracy.

USI Core 39: Ways of Knowing-Social Inquiry; Embedded Experience-Global.

Term(s) Offered: Spring

POLS 299 - Special Topics in Political Science

Credits: 3

Provides intensive examination of current political problems and issues as selected by the instructor. Topic will vary each time the course is offered.

Repeatability: May be taken twice for credit.

POLS 305 - State and Local Government

Credits: 3

The framework of states and their local governments in the United States. Indiana government is compared with that of other states. The course stresses the most important contributions of local governments to the federal system.

Prerequisite(s): one political science course or consent of instructor.

POLS 306 - Political Parties

Credits: 3

The structure and function of American political parties and their relationship to democratic government. Emphasis is placed

upon party organization and strategy in the political process. Historical as well as current sources are utilized.

Prerequisite(s): one political science course or consent of instructor.

POLS 309 - American Political Theory

Credits: 3

Political thought from Puritan America to the present. Particular emphasis upon the great figures in the evolution of American political ideas.

USI Core 39: Embedded Experience-Writing.

Prerequisite(s): ENG 201 and one political science course.

POLS 314 - The American Presidency

Credits: 3

Office, role, and powers of the President in the American political system.

Prerequisite(s): one political science course or consent of instructor.

POLS 332 - Statistics and Data Analysis

Credits: 3

An examination of statistical techniques and data analysis in political science. Specific techniques will include descriptive statistics, model specification, measures of correlation, point estimation, construction of confidence intervals, parametric and non-parametric hypothesis testing, Analysis of Variance (ANOVA), and regression analysis.

Prerequisite(s): POLS 232; completion of University Core Curriculum or Core 39 math requirement; political science major or minor; .

POLS 351 - Leadership in Bureaucratic Organizations in the United States

Credits: 3

An examination of concepts, theories, and processes relating to leading and managing national, state, and local government bureaucracies in the United States. Particular attention is paid to how leadership and management styles are shaped by internal characteristics of government organizations and external political environments.

Prerequisite(s): one political science course or consent of instructor.

POLS 361 - Intergovernmental Relations in the United States

Credits: 3

An examination of the institutional structure of the American federal system, the basic features of contemporary intergovernmental relationships, the changes that national, state, and local governments have undergone in an era of devolution, and the challenges intergovernmental relationships pose for policy makers.

Prerequisite(s): one political science course or consent of instructor.

POLS 363 - Public Organizational Behavior

Credits: 3

This course provides an examination of theories of organizational behavior in public organizations. Students will learn about how individuals, groups, and the external environment influence the management of public organizations. Specific topics of the course include organizational structure, culture, power and politics, leadership, motivation, and performance. A strong emphasis will be placed on how managers can apply these theories and concepts toward improved decision making and performance for public organizations at the national, state and local level.

Prerequisite(s): POLS 102, POLS 202, POLS 203, POLS 208, POLS 271, or POLS 281.

POLS 371 - The United Nations

Credits: 3

An examination of the UN as an organization, UN functions, regional perspectives, and current issues.

Prerequisite(s): POLS 271 or POLS 281.

POLS 383 - Government and Politics of Latin America

Credits: 3

Comparative analysis of Latin American political structures, political movements, and political thought with emphasis upon constitutional structures; local, state, and national governments; the military; revolutions; organized labor; and contemporary affairs.

Prerequisite(s): POLS 271 or POLS 281.

POLS 384 - The Middle East

Credits: 3

Government and politics of nation-states in northern Africa and western Asia, with special attention to Israel, Iran, and members of the League of Arab States.

Prerequisite(s): POLS 271 or POLS 281.

POLS 385 - Western European Politics

Credits: 3

The course provides an introduction to Western European politics and government. Students will learn about the various political, economic, and social structures of several Western European countries, such as Britain, France, and Germany. Topics include parliamentary systems, political parties, economic policy, the welfare state, local government, political culture, and European integration.

Prerequisite(s): POLS 271 or POLS 281.

POLS 399 - Advanced Topics in Political Science

Credits: 3

An intensive examination of specialized topics in political science. May be taken twice for credit provided the topic is different.

Prerequisite(s): One political science course or consent of instructor.

POLS 404 - Indiana Constitutional Law

Credits: 3

An analysis of leading decisions of the Indiana Supreme Court, with special attention to how particular provisions of the Indiana Constitution have been interpreted. The course also examines issues relating to statutory interpretation and judicial review.

Prerequisite(s): one political science course or consent of instructor.

POLS 405 - Constitutional Law

Credits: 3

The growth of the American constitutional system by analysis of leading Supreme Court decisions, the role of the Court decisions, the role of the Court in American politics, evolution of the federal system, civil rights, problems of statutory interpretation, and judicial review of administrative action and regulations. Supplementary reading includes judicial biography and commentaries on the court.

Prerequisite(s): one political science course or consent of instructor.

Cross-Listed: This course is cross-listed as CRIM 405.

Term(s) Offered: Fall

POLS 406 - Constitutional Rights

Credits: 3

Analysis and discussion of leading decisions of the U.S. Supreme Court, with special attention given to civil rights, including the rights of persons accused of crime; freedom of speech, press, assembly, religion, separation of church and state, equal protection of the laws, and property rights.

Prerequisite(s): one political science course or consent of instructor.

Cross-Listed: This course is cross-listed as CRIM 406.

Term(s) Offered: Spring

POLS 407 - The Legislative Process

Credits: 3

The lawmaking process in Congress and selected legislative bodies in the United States; organization, powers, and problems of American legislatures.

Prerequisite(s): one political science course or consent of instructor.

POLS 410 - Interest Groups and Public Policy

Credits: 3

An intensive analysis of the major American interest groups and their impact upon the formation and implementation of public policy at the local, state, and national levels of government. Major emphasis is given to ethnic, business, labor, agricultural, veterans, and religious associations.

Prerequisite(s): one political science course or consent of instructor.

POLS 427 - Urban Politics and Governance

Credits: 3

Study and analysis of the major issues, problems, and political processes of urban America, along with topics on urban governance, such as government organization and rescaling.

Prerequisite(s): one political science course or consent of instructor.

POLS 445 - Ancient Political Theory

Credits: 3

Examines the political thinkers and ideas that founded the Western political tradition. Emphasis is upon the nature of virtue and the goals of government.

USI Core 39: Embedded Experience-Writing.

Prerequisite(s): ENG 201 and one political science course.

POLS 446 - Modern Political Theory

Credits: 3

Political thinkers from Machiavelli to Mill grapple with concepts such as liberty, equality and the proper relationship between the individual and the state.

USI Core 39: Embedded Experience-Writing.

Prerequisite(s): ENG 201 and one political science course or consent of instructor.

POLS 464 - Environmental Politics and Policy

Credits: 3

An examination of environmental politics and policies as related to international, national, state, and local issues. Primary focus on how environmental politics are created, implemented and enforced. Topics include air and water pollution, sustainable development and land use issues, and other contemporary environmental problems.

Prerequisite(s): POLS 102 or POLS 271 and junior standing or consent of instructor.

POLS 471 - International Organizations

Credits: 3

An examination of the development and administration of international organizations, both governmental and non-governmental, such as the United Nations, the European Union, the World Trade Organization, and non-profit organizations. International organizations are evaluated in the context of global issues, such as international and regional security, trade, development, environmental problems, and social and humanitarian issues.

Prerequisite(s): POLS 271 or POLS 281.

POLS 473 - International Law

Credits: 3

A systematic study of the origins, objects, sources, and theories of international law. Foremost in importance is the aim to enable students to analyze basic premises and principles of international law and to develop an awareness of the major international legal problems.

Prerequisite(s): POLS 271 or POLS 281.

POLS 487 - Government and Politics of Post-Communist States

Credits: 3

Government and politics of post-communist states, with special emphasis on Russia and China. Students will learn about the development of the socialist theory, the reality of life in communist countries, the collapse of communism, and current issues, such as political and economic reform, corruption, and ethnic conflict.

Prerequisite(s): POLS 271 or POLS 281.

POLS 495 - Judicial Internship

Credits: 3

Internship in a court for a minimum of 150 hours of supervised, professional work required. The internship experience will provide students with the opportunity to master and critique social science concepts and theories pertaining to the operation of judicial bureaucracies.

Prerequisite(s): junior or senior status and consent of instructor.

POLS 496 - Legal Internship

Credits: 3

Students work as interns in a law office or other law-related organizations for 150 hours. Students also must complete various academic requirements. Working in a law office or other law-related institution provides a pre-law student direct contact with the practical realities of the legal profession and the applications of law in society. This experience also helps a pre-law student decide whether to commit to law school. Thus, a legal internship is a valuable component of pre-law education.

Prerequisite(s): junior or senior status and consent of instructor.

POLS 497 - Legislative Internship

Credits: 6

Students serve as interns in the Indiana State Legislature. Students must be selected by one of the party caucuses in the House or Senate. In addition to working for state legislators, students must attend a speaker series and complete various academic requirements. Serving a one-semester internship in the Indiana State Legislature provides direct experience with the realities of practical politics. The internship provides students with concrete illustrations of the political concepts and processes presented in the classroom and thus are an integral part of a student's political education.

Prerequisite(s): junior or senior status and consent of instructor.

Term(s) Offered: Spring

POLS 498 - Research in Political Science

Credits: 3

Independent investigation of selected political problems under supervision of instructor.

Prerequisite(s): one political science course and consent of instructor.

Repeatability: May be taken twice.

POLS 499 - Senior Seminar in Political Science

Credits: 3

Intensive examination of selected political problems.

Prerequisite(s): POLS 332.

Repeatability: May be taken twice with topic change.

PSY 201 - Introduction to Psychology

Credits: 3

A survey of basic concepts and methods of psychology as a behavioral science. Seeks to develop an understanding of the individual and social forces that influence and direct behavior. This course is a prerequisite for all other psychology courses.

USI Core 39: Ways of Knowing-Social Inquiry; Social Science-BS.

This course is part of the Core Transfer Library (CTL).

Indiana Statewide Common Course #: ISH 1020.

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

Term(s) Offered: Fall, Spring, Summer

PSY 202 - Orientation to a Major in Psychology

Credits: 1

This course is designed to provide an orientation to educational issues and career planning and development for students majoring in psychology.

Prerequisite(s): C or better in PSY 201.

Term(s) Offered: Fall, Spring

PSY 261 - Lifespan Developmental Psychology

Credits: 3

An examination of the theories, methods, and issues of lifespan human development. Biological, intellectual, emotional, linguistic, perceptual, and social aspects of growth and development from birth through old age are explored within the context of current and classical research in the field. Common physiological, familial, and social stresses associated with individual stages of development are reviewed.

Prerequisite(s): PSY 201.

This course is part of the Core Transfer Library (CTL).

Indiana Statewide Common Course #: ISH 1021.

Term(s) Offered: Fall, Spring, Summer

PSY 273 - Social Psychology

Credits: 3

A survey of concepts, topics, and research in social psychology. Including research methodology, cognitive dissonance, prejudice, attitudes, persuasion, conformity, attraction, group dynamics, aggression, and altruism.

Prerequisite(s): PSY 201.

This course is part of the Core Transfer Library (CTL).

Indiana Statewide Common Course #: ISH 1024.

Term(s) Offered: Fall

PSY 298 - Human Sexuality

Credits: 3

Considers sexuality from a broad scientific perspective. Areas covered include sex research and methods, the biological basis of sexuality, sexual behavior, sexuality and the life cycle, sexual problems, and social issues.

Prerequisite(s): PSY 201.

This course is part of the Core Transfer Library (CTL).

Indiana Statewide Common Course #: ISH 1022.

Term(s) Offered: Spring

PSY 303 - Research Methods and Statistics I

Credits: 3

An introduction to the research methods and statistics used by psychologists, with an emphasis on experimentation. Research designs, principles of methodology, and the statistical analysis of results will be emphasized.

Prerequisite(s): Grade of C in PSY 201 , PSY 202, and math core, plus three additional hours of psychology.

Term(s) Offered: Fall, Spring

PSY 312 - Sensation and Perception

Credits: 3

Focuses on physical and psychological aspects of human perception. Study of the senses will consider measurement, methodology, and organizational principles with primary focus on vision.

Prerequisite(s): PSY 201.

Term(s) Offered: Fall

PSY 322 - Abnormal Psychology

Credits: 3

A survey of past and present conceptions of abnormal behavior. Major diagnostic issues, including the role of psychological tests, are discussed. Symptoms, diagnostic criteria, and etiological factors underlying the major disorders are considered, as well as related legal issues. Selected treatments for these disorders are described and evaluated. Disorders considered include anxiety, dissociative, somatoform, psychophysiological, geriatric, affective, schizophrenia, substance abuse/addiction, sexual deviations, disorders of childhood and adolescence, and personality disorders.

Prerequisite(s): PSY 201.

This course is part of the Core Transfer Library (CTL).

Indiana Statewide Common Course #: ISH 1023.

Term(s) Offered: Fall, Spring, Summer

PSY 332 - Forensic Psychology

Credits: 3

Psychological theories and research that address legal issues, and the role psychologists play in the criminal justice system. Includes an overview of services provided by psychologists, assessment and therapeutic services, and ethical issues.

Prerequisite(s): PSY 201 or consent of instructor

Term(s) Offered: Fall

PSY 353 - Research Methods and Statistics II

Credits: 4

Advanced topics in the research methods and statistics used by psychologists, with an emphasis on experimentation.

Prerequisite(s): PSY 303 (grade of C or better).

Term(s) Offered: Fall, Spring

PSY 357 - Learning Theory

Credits: 3

The scientific study of learning over the last one hundred years has produced a sizable body of laws and principles describing how these processes work. This course investigates the ways in which organisms (human and non-human) change their behavior as a result of experience. The course provides the behaviorist perspective on such changes and therefore focuses on respondent and operant conditioning.

Prerequisite(s): PSY 201, three additional hours in Psychology.

Term(s) Offered: Fall

PSY 361 - Child and Adolescent Psychology

Credits: 3

This course takes an in-depth look at physical, cognitive, and social-emotional development and the inter-relationships of each from conception to adolescence. Topics such as the effects of heredity as well as pre and post-natal environments on growth will be examined in the context of current and classical research in the field. Emphasis will be placed on recent advances in the understanding of forces affecting adaptive and maladaptive development.

Prerequisite(s): PSY 201.

Term(s) Offered: Fall

PSY 362 - Clinical Psychology

Credits: 3

A survey of clinical psychology that considers types of problems, diagnostic instruments, clinical orientations, ethics, and the professional role of the clinical psychologist. Students learn to describe and differentiate among psychodynamic, behavioral, cognitive, humanistic, family and group approaches to treatment. Discussions, demonstrations, and supervised laboratory experiences provide opportunities to relate theoretical knowledge to interviewing, establishing rapport, and basic record-keeping.

Prerequisite(s): PSY 201 and either PSY 322 or PSY 462, or permission of instructor.

Term(s) Offered: Spring

PSY 371 - Adulthood and Aging

Credits: 3

This course involves an in-depth study of adulthood and aging by examining the major theories, research, and issues of psychological development. Topics covered will include personality, cognitive functioning, interpersonal relationships, mental and physical health, and sociocultural context.

Prerequisite(s): PSY 201.

Term(s) Offered: Spring

PSY 376 - Industrial Psychology

Credits: 3

Examination of psychological principles applied to personnel decision-making including job analysis, performance appraisal, training, and engineering psychology. Emphasis on the selection (hiring) process, including criterion development, standardized tests, simulation, interviews, selection battery validation, adverse impact, and test fairness.

Prerequisite(s): PSY 201 and any course in statistics or research methodology.

Term(s) Offered: Spring

PSY 377 - Sport Psychology

Credits: 3

Sport psychology focuses on psychological theories and research related to sport and exercise behavior. Students will learn how various psychological variables influence participation in sport and exercise contexts including the history and development of sport psychology as a field, group and team dynamics, motivation, leadership, communication techniques, and coaching strategies.

Prerequisite(s): PSY 201

Term(s) Offered: Fall

PSY 381 - Psychology of Gender

Credits: 3

Investigation of the psychological and physiological determinates of gender differences and similarities in behavior with emphasis on development of sex-role identity, interpersonal interactions, achievement and affiliation behavior, sex-typed behavior, socialization and personality perspectives.

Prerequisite(s): PSY 201.

Term(s) Offered: Spring

PSY 385 - Physiological Psychology

Credits: 3

The study of behavior as influenced by the nervous system. Physiological mechanisms that underlie behaviors such as sensory and motor processes, motivation, emotion, learning, and behavior pathology are emphasized. Biological background is helpful but not required.

Prerequisite(s): PSY 201.

Term(s) Offered: Spring

PSY 386 - Psycholinguistics

Credits: 3

Experimental study of language, including sentence comprehension and memory, language acquisition and development, speech perception, and effects of context, perception, reasoning, and linguistic structure on processing of language.

Prerequisite(s): PSY 201

Term(s) Offered: Spring

PSY 400 - Special Topics in Psychology

Credits: 3

Devoted to the study of psychological topics not currently part of the curricular offerings. Topics change with the interests of students and faculty.

Prerequisite(s): PSY 201 and approval of instructor.

Repeatability: Students may repeat the course as the topics change.

PSY 422 - Psychopathology in Children and Adolescents

Credits: 3

This course is an introduction to the description, classification, and academic study of psychological disorders in children and adolescents. Each class of disorders is examined with respect to course of development, core and associated characteristics, prevalence data, explanatory theories, causes and current treatment options as well as prevention strategies.

Prerequisite(s): PSY 201 and PSY 261 or PSY 361 or consent of instructor

Term(s) Offered: Fall

PSY 425 - Cognitive Psychology

Credits: 3

The study of how the human mind processes information. Topics include models of memory, categorization, concept formation, creativity, and imagery with emphasis on language comprehension and problem solving.

Prerequisite(s): PSY 201 plus nine additional hours in psychology.

Term(s) Offered: Spring

PSY 435 - Community Psychology

Credits: 3

This course will cover the basic theories and concepts that define the field of community psychology while utilizing a service learning approach to community action and research. Students will also learn about the principles of research that guide community psychologists, including traditional research methods, qualitative research methods, consulting, program development and evaluation, and participatory action research.

Prerequisite(s): PSY 201 and PSY 273 or consent of instructor

Term(s) Offered: Fall

PSY 462 - Personality

Credits: 3

Critical evaluation and comparison of major personality theories. Includes coverage of key issues in personality research such as person perception and cross-situational consistency.

Prerequisite(s): PSY 201 and nine additional hours in psychology.

Term(s) Offered: Spring

PSY 476 - Psychometrics

Credits: 3

The procedures of test planning, item writing, establishing reliability and validation are presented. Interpretation and combination of scores are covered. Representative tests are discussed to illustrate the principles of test construction and interpretation.

Prerequisite(s): PSY 201, PSY 303, and junior or senior standing.

Term(s) Offered: Spring

PSY 497 - Capstone in Psychology: History and Systems

Credits: 3

This course provides a rationale and method for studying the history of psychology as a distinct academic and professional discipline. The course also surveys important theoretical systems used to build the science and application of psychology. In addition, the impact of these historical and theoretical precedents upon contemporary research and practice are discussed.

Prerequisite(s): senior standing, PSY 303.

Term(s) Offered: Fall, Spring

PSY 498 - Internship

Credits: 3

Provides for a minimum of 150 hours supervised experience related to psychology. Students are expected to arrange internships with approval of instructor, maintain a log of their experiences, and meet regularly with instructor. Assignments are negotiated with the instructor based on the demands of the particular internship experience. A maximum of 3 hours may count toward the 41 hours necessary for the psychology major.

Prerequisite(s): PSY 201, junior or senior standing, 15 additional psychology hours, and permission of instructor.

Repeatability: May be repeated once for a maximum of six hours of credit.

Term(s) Offered: Fall, Spring

PSY 499 - Individual Study in Psychology

Credits: 1-3

A course intended primarily for individual research in a specific area of psychology. Topics arranged to meet the specific interest of the student and faculty member involved. May be elected on an arranged basis upon approval of the faculty member who is to serve as supervisor of the research. Credit does not count toward the hours necessary for the psychology major.

Prerequisite(s): PSY 201 and permission of the instructor.

Repeatability: May be repeated once for a maximum of six hours of credit.

Term(s) Offered: Fall, Spring

PH 284 - Public Health

Credits: 3

This course introduces the services and measures that are used to safeguard public health. Content included in the course is: history, development and organization of public health; an introduction to the scientific concepts and analytical tools used in public health; and overviews of the major areas of public health intervention.

PH 385 - Disease Control

Credits: 3

This course provides systematic coverage of the determinants of disease and control methods by major disease groupings, such as respiratory diseases, and animal-associated diseases.

Prerequisite(s): PH 284.

PH 483 - Health All Around Us: Concepts in Environmental Health

Credits: 3

This course provides an overview of the environment in which we live and the way that our health is affected. Changes in our ecosystems, environmental diseases, food safety, water, air, noise, energy, hazardous and solid waste/pollution will all be discussed in relation to the human population.

PH 484 - Environmental Health

Credits: 3

This course introduces various environmental risks to health status, and the role of public health controls in safeguarding at-risk populations. These areas include: food production, water purity, wastewater and solid waste handling, arthropod and pest control, air quality, and occupational and industrial hazards to health.

Prerequisite(s): PH 284.

PH 485 - Epidemiology

Credits: 3

This course introduces the principles and methods of epidemiology used to study health-related issues in populations. Covers models of disease causation and the association of health-risk factors. Includes: common epidemiological measures, epidemiologic study designs, disease surveillance, and outbreak investigation. Applies epidemiological principles and methods to health service organizations and clinical settings by developing critical literature review and study design skills.

Prerequisite(s): HP 302.

PH 486 - Public Health Administration

Credits: 3

This course describes the setting for public health practice; the structure of public health policies and regulations; and the organizations responsible for public health services. Public health funding and the administration of public health services at the local, state, national, and international levels are reviewed and analyzed.

Prerequisite(s): HP 211 and PH 284.

PRL 101 - Introduction to Public Relations

Credits: 3

Lecture, discussion, and practical application of basic public relations concepts and processes including public relations in corporations, government, and institutions, public opinion, communication media, ethics of public relations, and public relations campaigns.

Term(s) Offered: Fall, Spring, Summer

PRL 362 - Writing for Public Relations

Credits: 3

Techniques of writing news releases, newsletters, brochures, public service announcements, speeches, and other print and broadcast messages that are a part of the public relations profession.

USI Core 39: Embedded Experience-Writing.

Prerequisite(s): ENG 101 (grade of C or better), ENG 201 (grade of C or better), and PRL 101 (grade of C or better) or consent of instructor.

Term(s) Offered: Fall, Spring, Summer

PRL 364 - Publications Design

Credits: 3

Writing, editing, and designing specialized publications for business and industry. Computer-generated design will include newsletters, brochures, and other publications typically used by organizations in communicating with their target publics.

Prerequisite(s): junior standing and ENG 101 (grade of C or better), ENG 201 (grade of C or better), and PRL 101 (grade of C or better) or consent of instructor.

Term(s) Offered: Fall, Spring

PRL 365 - Public Relations Administration

Credits: 3

A course involving case studies and problems regarding the principles and application of effective two-way communications in a variety of situations affecting the practice of public relations.

Prerequisite(s): junior standing and PRL 362 (grade of C or better), or consent of instructor.

Term(s) Offered: Fall, Spring, Summer

PRL 366 - Seminar in Public Relations

Credits: 3

A rotating seminar that addresses various topics essential to the public relations practitioner.

Prerequisite(s): junior standing and PRL 101 (grade of C or better), ENG 101 (grade of C or better, and ENG 201 (grade of C or better) or consent of instructor.

Repeatability: May be taken only once.

Term(s) Offered: Fall

PRL 368 - Strategic Writing

Credits: 3

An applied writing course that focuses on strategically planning and preparing goal-oriented messages, and the selection of appropriate delivery techniques to communicate with an organization's target publics.

Prerequisite(s): PRL 362 (grade of C or better), ENG 101 (grade of C or better), and ENG 201 (grade of C or better), or consent of instructor.ENG 101

Term(s) Offered: Fall, Spring, Summer

PRL 400 - Independent Study in Public Relations

Credits: 1-3

This course is designed to provide an opportunity for upper division communications majors and minors to research subject areas in the field of public relations. A maximum of six hours may be taken; only three may be taken in any one semester. Students who wish to take independent study courses in the public relations curriculum should be aware of the following points: 1) Only six hours of independent study may apply toward a major in Communications; 2) No more than three hours of Public Relations 400 may be directed by the same instructor; 3) Students wishing to enroll in independent study courses must receive written permission from their instructors prior to registration.

Prerequisite(s): 21 credit hours in Communications, upper-division status, and written consent of instructor.

Term(s) Offered: Fall, Spring

PRL 461 - Seminar in Integrated Marketing Communications

Credits: 3

Approaching organizations' communications issues through the integration of advertising, marketing, and public relations strategies and techniques.

Prerequisite(s): senior standing and PRL 101 (grade of C or better) or ADV 101 (grade of C or better), and MKTG 201 (grade of C or better) or MKTG 305 (grade of C or better), and ENG 101 (grade of C or better) and ENG 201 (grade of C or better).

Cross-Listed: ADV 441; may be taken only once as one of these courses.

Term(s) Offered: Spring

PRL 465 - Institutional Advancement

Credits: 3

This course explores principles of institutional advancement (public relations) and development (fundraising). Topics covered include marketing, public relations, publications, alumni relations, annual appeal, planned giving, corporate and foundation relations, major gifts, and capital campaigns. The course examines ethical issues involved in all aspects of institutional advancement. This course focuses on institutional advancement in modern universities and non-profit institutions, providing students with a foundation in the institutional advancement field.

Prerequisite(s): PRL 101 (grade of C or better) and one course with a grade of C or better from: ADV 342, CMST 317, JRN 384, or PRL 362 and ENG 101 (grade of C or better) and ENG 201 (grade of C or better) or consent of instructor.

PRL 466 - Seminar in Public Opinion

Credits: 3

A study of the nature of public opinion and its influences on government, the role of mass media, poll-taking, propaganda techniques, relationship to voting habits, and a detailed examination of techniques developed and used by the press in influencing public opinion.

Prerequisite(s): junior standing.

PRL 467 - Crisis Communications

Credits: 3

Development of strategic plans and execution of communications for events that have the potential to generate negative news coverage of unfavorable public opinion of an organization.

Prerequisite(s): junior standing.

PRL 468 - Public Relations Campaigns

Credits: 3

A capstone course using research techniques to identify problems and/or public relations opportunities, to monitor implementation of communications programs, and to evaluate those programs using a planning process to develop public relations objectives, strategies, and tactics designed to meet client/employer needs. Students will develop a detailed public relations campaign plan for clients.

Prerequisite(s): PRL 368 (grade of C or better) and PRL 365 (grade of C or better), and junior standing or consent of instructor.

Term(s) Offered: Fall, Spring

PRL 489 - Internship in Public Relations

Credits: 1-3

Offers students job experience in the discipline through a minimum of 50 hours of supervised professional work per credit hour.

Prerequisite(s): junior standing and consent of instructor.

Repeatability: repeatable to a maximum of 3 hours.

Term(s) Offered: Fall, Spring, Summer

PRL 499 - Special Topics

Credits: 3

Topics will vary. The purpose of the course is to cover topics that are not specific courses in the curriculum.

Prerequisite(s): junior standing.

Repeatability: Course may be repeated once if the topic is different from the one previously taken.

RTV 150 - Practicum in Broadcasting

Credits: 1

Assignment of electronic media duties with radio station WSWI-AM, the Scripps Howard Video Production Complex, or in an approved CAP course. Students may earn up to eight hours credit for this course, but may enroll for no more than one credit hour per semester. No more than three credit hours may be applied to a major or minor in Communications.

Prerequisite(s): consent of instructor.

Term(s) Offered: Fall, Spring, Summer

RTV 151 - Survey of Contemporary Broadcasting

Credits: 3

A history and survey of broadcasting. This course traces the development of broadcasting to the present day, with emphasis on contemporary broadcasting with its social, cultural, and economic implications.

Term(s) Offered: Fall, Spring

RTV 255 - Media Production

Credits: 3

An introductory course covering the fundamentals of digital production techniques for radio, video, and audio and video streaming on the Internet.

Prerequisite(s): sophomore standing.

Term(s) Offered: Fall, Spring

RTV 256 - Broadcast Journalism

Credits: 3

Techniques of gathering, writing, editing, and producing news for radio and television. Topics will include broadcast style, working with wire services, codes of ethics, legal considerations, and news applications of audio and video technology.

Prerequisite(s): RTV 151 (grade of C or better) or COMM 192 (grade of C or better) and RTV 255 (grade of C or better) or consent of instructor.

Term(s) Offered: Fall, Spring, Summer

RTV 350 - Radio-Television Workshop

Credits: 1-3

A workshop course involving the planning, production, and presentation of radio and/or television program materials.

Prerequisite(s): RTV 255 (grade of C or better), ENG 101 (grade of C or better), and ENG 201 (grade of C or better) and written consent of the instructor.

Repeatability: A maximum of six hours credit may be taken in this course in the following manner: No more than three hours may be earned in radio nor more than three hours in television; No more than three credit hours in radio and/or television may be taken in any one semester;

Term(s) Offered: Fall, Spring, Summer

RTV 351 - Radio-Television Performance

Credits: 3

Specific training in broadcast performance situations applicable to both radio and television, including commercial announcing, news reporting, interviewing, and ad-lib announcing. Attention is given to pronunciation, articulation, and diction.

Prerequisite(s): RTV 255 (grade of C or better), ENG 101 (grade of C or better) and ENG 201 (grade of C or better), or consent of instructor.

Term(s) Offered: Fall, Spring

RTV 352 - Advanced Television Studio Producing and Directing

Credits: 3

Study of the problems and techniques of studio-based, multi-camera, real-time television production. Students will prepare, produce, and direct programs for broadcast.

Prerequisite(s): RTV 255 (grade of C or better), ENG 101 (grade of C or better) and ENG 201 (grade of C or better),

Term(s) Offered: Spring

RTV 353 - Advanced Video Field Production

Credits: 3

Study of the theory and practice of single camera video production with emphasis on concept and script development, camera technology, shot composition, lighting, computer nonlinear editing, and special effects. Students will prepare, produce, and direct client-based PSAs and channel IDs for broadcast.

Prerequisite(s): RTV 255 (grade of C or better), ENG 101 (grade of C or better) and ENG 201 (grade of C or better), or consent of instructor.

Term(s) Offered: Fall

RTV 354 - Writing for Electronic Media

Credits: 3

Students will learn to write effective copy for radio, television, and the Internet. Assignments will involve writing of advertising and public service copy, and promotional materials for the electronic media. Legal and ethical issues, consumer behavior, and various advertising strategies will also be covered.

USI Core 39: Embedded Experience-Writing.

Prerequisite(s): ENG 101 (grade of C or better), and ENG 201 (grade of C or better); and either RTV 151 (grade of C or better) or ADV 101 (grade of C or better) or PRL 101 (grade of C or better).

Term(s) Offered: Fall, Spring, Summer

RTV 356 - Sportscasting

Credits: 3

A study of radio and television sportscasting, with an emphasis on radio. Emphasis will be placed upon play-by-play sports newscasts, interviewing, and features.

Prerequisite(s): RTV 255 (grade of C or better), ENG 101 (grade of C or better) and ENG 201 (grade of C or better) .

Term(s) Offered: Spring

RTV 357 - Advanced Broadcast Journalism

Credits: 3

A study of the policies and practices of broadcast news with an emphasis on reporting. Students will produce news packages and learn the decision making processes of broadcast news managers, including agenda setting, gate keeping, and diversity and ethical issues.

Prerequisite(s): RTV 255 (grade of C or better), RTV 256 (grade of C or better), ENG 101 (grade of C or better) and ENG 201 (grade of C or better).

Term(s) Offered: Fall

RTV 358 - Advanced Digital Audio Production

Credits: 3

In-depth study of the problems and techniques of preparing, producing and designing audio production for radio, video and the internet.

Prerequisite(s): RTV 255.

RTV 400 - Independent Study in Radio-Television

Credits: 1-3

This course is designed to provide an opportunity for upper-division Communications majors and minors to research subject areas in the field of radio-television. A maximum of six hours may be taken; only three hours may be taken in any one semester. Students who wish to take independent study courses in the radio-television curriculum should be aware of the following points: 1) Only six hours of independent study may apply toward a major in communications; 2) No more than three hours of Radio-Television 400 may be directed by the same instructor; 3) Students wishing to enroll in independent study courses must receive written permission from their instructors prior to registration.

Prerequisite(s): 21 hours of communications, upper-division status, and written consent of instructor.

Term(s) Offered: Fall, Spring, Summer

RTV 451 - Radio-Television Programming

Credits: 3

A study of current theories and practices of radio and television programming. The stimulation of creative thinking regarding media programming and its conversion into tangible and practical form. Special attention is given to important aspects of broadcast law and station management and their relationships to programming.

Prerequisite(s): RTV 151 (grade of C or better) and RTV 255 (grade of C or better), ENG 101 (grade of C or better) and ENG 201 (grade of C or better) or consent of instructor.

Term(s) Offered: Fall

RTV 452 - Broadcast and Cable Sales

Credits: 3

Techniques for selling time on radio, television, and cable. Includes interpretation of ratings reports, working with advertising agencies, preparation of sales presentations, and marketing.

Prerequisite(s): RTV 151 (grade of C or better) or ADV 101 (grade of C or better); and ENG 101 (grade of C or better) and ENG 201 (grade of C or better) or consent of instructor.

Term(s) Offered: Fall

RTV 453 - Broadcast and Cable Management

Credits: 3

The special problems encountered by managers of broadcast and cable operations. Emphasis on FCC regulations, managing "creative" personnel, serving the public interest, and other issues faced by radio, TV, and cable managers.

Prerequisite(s): RTV 151 (grade of C or better) or RTV 255 (grade of C or better); and ENG 101 (grade of C or better) and ENG 201 (grade of C or better) or consent of instructor.

Term(s) Offered: Spring

RTV 457 - Key Issues in Telecommunications

Credits: 3

A capstone course examining contemporary issues confronting broadcasters, cable operators, and Internet content providers. Economic, regulatory, social, and ethical issues are explored.

Prerequisite(s): RTV 151 (grade of C or better) or RTV 255 (grade of C or better); and ENG 101 (grade of C or better) and ENG 201 (grade of C or better) and senior standing.

Term(s) Offered: Fall, Spring

RTV 489 - Internship in Radio-Television

Credits: 1-3

Offers students job experience in the discipline through a minimum of 50 hours of supervised professional work per credit hour.

Prerequisite(s): junior standing and consent of instructor.

Repeatability: repeatable to a maximum of 3 hours.

Term(s) Offered: Fall, Spring, Summer

RTV 499 - Special Topics

Credits: 3

Topics will vary. Purpose of course is to cover topics that are not specific courses in the curriculum.

Prerequisite(s): ENG 101 (grade of C or better) and ENG 201 (grade of C or better); junior standing.

Repeatability: Course may be repeated once if the topic is different from the one previously taken.

Term(s) Offered: Fall, Spring, Summer

RADT 196 - Orientation to Radiologic and Imaging Sciences

Credits: 2

This course provides a general overview of radiologic technology history and practice. Students gain a beginning understanding of the value of radiologic sciences in a healthcare setting, survey the role of radiologic technologists in a variety of settings, recognize national and state credentialing requirements, identify radiologic technology association functions at all levels, and recognize ARRT standards, ethics, and policies and their effects on practicing radiologic technologists' conduct and patient treatment.

Prerequisite(s): No prereq.

Term(s) Offered: Fall, Spring, Summer

RADT 305 - Current Issues in Radiologic and Imaging Sciences

Credits: 3

This course examines the issues important to the radiographers and radiologic technologists practicing in the field of radiography. Human diversity, ethics, health care systems, hospital organizations, radiology organizations, accreditation, professional credentialing, professional organizations, and professional development are studied in relation to the field of radiology.

Prerequisite(s): pre-radiology majors and students admitted to the radiologic and imaging sciences programs or consent of instructor.

Term(s) Offered: Fall, Summer

RADT 307 - Critical Thinking Skills in Radiography

Credits: 3

This course is designed to emphasize the need for critical thinking and to identify factors that hinder critical thinking. This course focuses on identifying the qualities of a critical thinker through the review of numerous case studies, performance case studies for the ionized laboratory, and critical analysis of radiographs.

Prerequisite(s): pre-radiology majors and students admitted to the radiologic and imaging sciences programs or consent of instructor.

Term(s) Offered: Fall, Summer

RADT 308 - Introduction to Radiographic Positioning

Credits: 3

This course is an introduction to general anatomy, terminology, imaging principles, and positioning principles. Positioning methods required for radiographic examinations of the chest, abdomen, and upper extremity will be performed.

Prerequisite(s): acceptance in the Radiologic Technology program.

Term(s) Offered: Spring

RADT 311 - Introduction to Radiologic Technology

Credits: 3

This course introduces students to the field of radiologic technology with reference to the duties and responsibilities of the radiographer, types of equipment used, and image production. Radiation protection, personnel, and organizational structure also are discussed.

Prerequisite(s): acceptance in the Radiologic Technology program.

Term(s) Offered: Spring

RADT 312 - Radiographic Exposure

Credits: 3

This course presents the principles of radiographic image formation with respect to the variables that affect contrast, density, recorded detail, distortion, radiographic facilities, equipment, chemicals, film, radiographic processing, radiographic artifacts, silver recovery systems, x-ray tubes, tube rating, tube cooling charts, control of secondary radiation, and radiographic grids.

Prerequisite(s): RADT 308.

Term(s) Offered: Summer

RADT 313 - Radiographic Procedures I

Credits: 3

This course provides a detailed study of the anatomy and positioning methods required for radiographic examinations of the chest and abdomen; urinary, gastrointestinal, and biliary systems; upper extremity and shoulder girdle; and lower extremity.

Prerequisite(s): RADT 308.

Term(s) Offered: Summer

RADT 316 - Radiographic Procedures II

Credits: 3

This course is a detailed study of the anatomy and positioning methods required for radiographic examinations of the pelvis/hip, spine, ribs, sternum, sacrum, coccyx, SI joints, SC joints, cranium, and facial bones.

Prerequisite(s): RADT 313.

Term(s) Offered: Fall

RADT 318 - Radiographic Procedures III

Credits: 3

A detailed study of positioning methods required for trauma radiographic examinations of the cranium, facial bones, spine, chest, shoulder, upper extremities, abdomen, pelvis, hip, and lower extremities. Vital signs, patient assessment, medical emergencies, trauma terminology, types of fractures, common injuries for various types of trauma, common radiographic exposure factors, grid usage, and case studies will be presented.

Prerequisite(s): acceptance in the Radiologic Technology program or consent of instructor.

Term(s) Offered: Spring

RADT 333 - Clinical Practicum I

Credits: 2

This course is an introduction to radiographic/fluoroscopic rooms, image acquisition and manipulation, radiology office and information systems, hospital nursing units and ancillary departments. This course gives student radiographers supervised practical application of previously studied theory of patient care, imaging procedures and professional skills.

Prerequisite(s): RADT 308.

Term(s) Offered: Summer

RADT 334 - Radiologic Physics

Credits: 3

This course includes the physical principles underlying radiologic technology, with special attention given to the equipment required to generate x-rays, the nature and behavior of x-radiation, and the devices relevant to the practical applications of x-rays in diagnosis.

Prerequisite(s): RADT 312.

Term(s) Offered: Fall

RADT 335 - Radiation Biology

Credits: 2

This course is designed to study the biological effects of radiation at atomic, molecular, cellular, and systemic levels. In addition, short- and long-term somatic and genetic effect, dose limits, and methods of radiation protection for the patient and the technologist are discussed.

Prerequisite(s): none.

Term(s) Offered: Spring

RADT 337 - Introduction to Invasive Imaging Procedures

Credits: 2

An introduction to invasive procedures, including cardiovascular, neurological, and other specialized radiographic procedures. This course is designed to provide students with basic knowledge of aseptic procedures, sterilization, patient preparation, and instrument manipulation. The course will include an in-depth review of vascular, visceral and neurological anatomy visualized and imaged during invasive procedures. Radiologic and medical pharmacological agents will be discussed in regards to dosage, precautions and usage during invasive procedures.

Prerequisite(s): RADT 334.

Term(s) Offered: Spring

RADT 343 - Clinical Practicum II

Credits: 2

During this course students will apply knowledge and essential skills of radiographic positioning and exposure. Students will be exposed to clinical rotations in computed tomography and magnetic resonance imaging.

Prerequisite(s): RADT 312, RADT 313, RADT 333 and DMS 301.

Term(s) Offered: Fall

RADT 345 - Radiographic Pathology

Credits: 3

Studies the changes that occur with disease in the various systems of the body and the methods of examination and application to radiologic technology.

Term(s) Offered: Spring

RADT 353 - Clinical Practicum III

Credits: 2

This course is a continuation of RADT 343. Students will be exposed to clinical rotations in invasive procedure and start to orient to other clinical affiliates and their established protocols.

Prerequisite(s): RADT 343.

Term(s) Offered: Spring

RADT 355 - Advanced Patient Care for Imaging Sciences

Credits: 3

This course offers an advanced approach to patient care, patient education, and patient management within imaging sciences. Course content will include advanced patient assessment, emergency and lifesaving care, hemodynamics, pathology, pharmacology and contrast media administration.

Prerequisite(s): DMS 301.

Term(s) Offered: Spring

RADT 365 - Directed Study

Credits: 3

This course emphasizes individualized study in two major areas of diagnostic imaging which include radiographic procedures and patient care procedures.

Prerequisite(s): RADT 334.

Term(s) Offered: Spring

RADT 411 - CT/MRI Physics and Instrumentation

Credits: 3

This course provides the students with a detailed study of the computed tomography and magnetic resonance imaging physics and instrumentation information. Course topics include principles of operation, system components, image characteristics, image resolution, image quality, scan design for spiral computed tomography, nuclear magnetism, precession of nuclei, production of the nuclear magnetic resonance signal, nuclear magnetic resonance pulses, nuclear magnetic resonance decay, production of the magnetic resonance image, magnetic resonance imaging equipment, image quality, image contrast, paramagnetic contrast agents, safety, and biological hazards.

Prerequisite(s): acceptance in the Radiologic Technology program.

Term(s) Offered: Fall, Summer

RADT 412 - Advanced Radiographic Exposure and Mobile Radiography

Credits: 3

This course provides an introduction to the principles of radiographic image formation with respect to digital radiography, image formation with respect to digital radiography, image intensifier tubes, and mobile radiographic equipment. This course helps the student apply critical thinking skills to case studies.

Prerequisite(s): RADT 312.

Term(s) Offered: Fall

RADT 413 - Magnetic Resonance Imaging and Computed Tomography Procedures I

Credits: 3

This course provides the students with a detailed study of the magnetic resonance imaging computed tomography procedures of the head and spine.

Prerequisite(s): acceptance in the Radiologic Technology program.

Term(s) Offered: Fall, Spring

RADT 414 - Clinical VII – CT/MRI

Credits: 3

This course provides the students with an introduction to the functions and basic procedures of magnetic resonance imaging and computed tomography. This course includes an overview of the field of MRI/CT, ethics, patient care, professional standards, and the clinical application of imaging skills of the following examinations: routine examinations of the head, skull, neck, cervical spine, thoracic spine, and lumbar spine. All MRI/CT procedures will be performed under the direct supervision of a registered MRI/CT technologist.

Prerequisite(s): acceptance in the Radiologic Technology program.

Term(s) Offered: Fall

RADT 415 - Magnetic Resonance Imaging and Computed Tomography Procedures II

Credits: 3

This course provides the students with a detailed study of the magnetic resonance imaging physics and computed tomography procedures of the thorax, abdomen, urogenital system, pelvis, hip, and knee.

Prerequisite(s): acceptance in the Radiologic Technology program.

Term(s) Offered: Spring, Summer

RADT 416 - Clinical VIII – CT/MRI

Credits: 3

This course provides the students with the introduction to the functions of magnetic resonance imaging and computed tomography. The students will perform the following routine examinations: the thorax, abdomen, pelvis, and knee. All MRI/CT procedures will be performed under the direct supervision of a registered MRI/CT technologist.

Prerequisite(s): acceptance in the Radiologic Technology program.

Term(s) Offered: Spring

RADT 421 - Radiologic and Imaging Sciences Clinical Education Methods

Credits: 3

This course focuses on clinical education principles and procedures for radiology programs. Lesson plan formation, unit plan organization, teaching strategies for the clinical educator, and evaluation methods are studied.

Prerequisite(s): none.

Term(s) Offered: Fall

RADT 424 - Radiologic and Imaging Sciences Practice and Management

Credits: 3

This course will provide students an opportunity to explore leadership within a diagnostic imaging department. Students will participate in classroom instruction or Internet delivered instruction. Students will share knowledge gained during clinical education and/or work environment with each other concerning positive experiences and difficulties they may have encountered. Students will focus on teamwork and problem-solving strategies as applicable in practice.

USI Core 39: Embedded Experience-Writing.

Prerequisite(s): RADT 345 and ENG 201

Term(s) Offered: Fall

RADT 425 - Radiographic Critique

Credits: 3

This course focuses on the general guidelines for radiographic critique. The student will critique radiographs on the following regions: chest and abdomen; upper and lower extremities; shoulder; pelvis and hip; cervical, thoracic, and lumbar vertebrae; ribs;

and cranium.

Prerequisite(s): none.

Term(s) Offered: Fall

RADT 426 - Radiologic and Imaging Sciences Advanced Practice

Credits: 3

This course provides students with a practicum in clinical applications with general radiography and radiology management. The student will intern as an assistant clinical instructor or assistant radiologic manager in an accredited radiology clinical site. Concurrent with the clinical practicum the student will participate in classroom instruction or Internet-delivered instruction. Students will share knowledge with each other concerning positive experiences and difficulties they may encounter in their clinical practicum. Students will be supervised by clinical instructors and departmental managers.

Prerequisite(s): RADT 421 or RADT 305.

RADT 427 - Digital Radiography and Imaging Informatics

Credits: 3

This course provides students with a detailed study of digital radiography encompassing image acquisition and storage. Students will also study current radiology management systems and picture archival medical systems.

Prerequisite(s): registered radiologic technologist, registered nurse, or permission of the instructor.

Term(s) Offered: Fall, Spring

RADT 435 - Clinical Practicum IV

Credits: 3

This course is a continuation of RADT 353. Students will become oriented to the clinical outpatient radiology environment. In addition, students will utilize critical thinking skills and learn to prioritize duties as required during hours of optimized staffing.

Prerequisite(s): RADT 353.

Term(s) Offered: Summer

RADT 445 - Clinical Practicum V

Credits: 3

This course is a continuation of RADT 435. Students will expand their critique of images as it relates to pathological processes.

Prerequisite(s): RADT 435.

Term(s) Offered: Fall

RADT 455 - Clinical Practicum VI

Credits: 3

This course leads to final mastery of all clinical competencies with an introduction to night shift and alternate clinical environments.

Prerequisite(s): RADT 445.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (30 hours/week).

Term(s) Offered: Spring

RADT 456 - Imaging Sciences Seminar

Credits: 3

This course emphasizes individualized study in three major areas of diagnostic imaging which includes radiation protection; radiographic equipment operation and maintenance; and image production and evaluation.

Prerequisite(s): RADT 335.

Term(s) Offered: Spring

RADT 465 - Directed Study in Radiologic Technology

Credits: 3

This course emphasizes individualized study in the five major areas of diagnostic imaging which include radiation protection; radiographic equipment operation and maintenance; image production and evaluation; radiographic procedures; and patient care procedures.

Prerequisite(s): RADT 435.

Term(s) Offered: Spring

RADT 480 - Special Topics in Radiologic and Imaging Sciences

Credits: 1-3

This course provides the opportunity for analysis and synthesis of concepts and research related to special topics in imaging sciences and healthcare.

Prerequisite(s): Students admitted to the radiologic and imaging sciences program or consent of instructor.

Repeatability: Students may enroll a total of two times for a maximum of six credit hours.

Term(s) Offered: Fall, Spring, Summer

RADT 486 - Clinical IX – CT/MRI

Credits: 3

This course provides students with the knowledge, theory, and proficiency in performing the following MRI/CT examinations: skull, head, sinuses, neck, cervical spine, thoracic spine, lumbar spine, pelvis, hip, and knee.

Prerequisite(s): registered radiographic technologist by the AART or a registered nurse and admission into the BS program in Radiologic and Imaging Sciences.

Term(s) Offered: Summer

RADT 491 - Professional Development and Literacy in Imaging Sciences

Credits: 3

A capstone course focusing on the synthesis of professional knowledge, skills, and attitudes in preparation for professional employment and lifelong learning. This course will explore the imaging technologist's contribution to the body of knowledge of the radiologic sciences, effectively analyze resources to promote growth within the profession, foster life-long learning skills to stay in step with the current health care environment and promote reflection in practice to meet required professional continued qualifications.

Prerequisite(s): RADT 196 and junior or senior standing.

Term(s) Offered: Fall, Spring

REST 101 - Respiratory Therapy Procedures I

Credits: 2

This course examines and studies the procedures, techniques, and equipment utilized in the administration of oxygen and other gases, with emphasis on analysis. It includes introductory topics pertinent to entering the respiratory care profession, e. g., patient assessment, basic modes of care, specific medical terminology, and general patient care.

Term(s) Offered: Fall

REST 102 - Respiratory Therapy Procedures II

Credits: 2

Emphasizes procedures, techniques, and equipment utilized in airway management and resuscitation. Correlates with Respiratory Therapy REST 101.

Term(s) Offered: Spring

REST 103 - Respiratory Therapy Procedures III

Credits: 2

Emphasizes procedures, techniques, and equipment utilized in humidification and aerosol therapy. Correlates with Respiratory Therapy REST 101 and REST 102.

Term(s) Offered: Fall

REST 104 - Respiratory Therapy Procedures IV

Credits: 4

Emphasizes procedures, techniques, and equipment utilized in ventilation assistance and control, volume ventilation, and long-term ventilation. Correlates with Respiratory Therapy REST 101, REST 102, and REST 103.

Term(s) Offered: Spring

REST 116 - Respiratory Care I

Credits: 2

Introduces the student to the scientific basis of respiratory care, including the study of the anatomy of the normal lung, gas exchange mechanisms, and interpretation and clinical application of arterial blood gases.

Term(s) Offered: Fall

REST 122 - Respiratory Physiology II

Credits: 1

Provides the student with additional information regarding lung physiology.

Term(s) Offered: Spring

REST 126 - Respiratory Care II

Credits: 1

Studies infectious diseases, the physiologic basis of mechanical ventilation, and introduces the student to physical diagnosis. Correlates with Respiratory Care REST 116.

Term(s) Offered: Spring

REST 205 - Respiratory Therapy Procedures V

Credits: 1

Examines and studies the procedures, techniques, and equipment utilized in the practice of lung physiotherapy, with emphasis on the mechanics of respiration, breathing exercises, and respiratory therapy care techniques. Involves clinical practice.

Term(s) Offered: Summer

REST 206 - Respiratory Therapy Procedures VI

Credits: 3

Studies, in theory and practice, the operation, handling, and maintenance of respiratory therapy equipment, including tests and maintenance of analyzers, humidifiers, masks, catheters, cannulae, inhalators, nebulizers, respirators, ventilators, and other specialized equipment and mechanical devices. Involves clinical practice.

Term(s) Offered: Summer

REST 214 - Pulmonary Diseases I

Credits: 3

Examines the etiology, pathophysiology, physical diagnosis, and respiratory care of pulmonary problems with physician rounds and examination of selected patients, and discussion of commonly related clinical problems.

Term(s) Offered: Fall

REST 222 - Respiratory Pathophysiology II

Credits: 1

Further explores the structure and function of the diseased lung with physician rounds and discussion of respiratory disorders. Involves clinical practice.

Term(s) Offered: Spring

REST 224 - Pulmonary Diseases II

Credits: 1

Further explores respiratory care of pulmonary problems, with weekly physician rounds continued. Correlates with Respiratory Therapy REST 214. Involves clinical practice.

Term(s) Offered: Spring

REST 230 - Ethics and Administration

Credits: 1

Presents the ethics adhered to by health professionals, describing the basic elements of organization and administration. Emphasis is on ethics pertinent to the ill person, with the examination of various hospital organizational structure and function, as these relate to the respiratory therapist.

Term(s) Offered: Fall

REST 261 - Clinical Applications Of Respiratory Therapy I

Credits: 3

Examines the relationship between theoretical concepts from the physician's point of view to the clinical practice of the respiratory therapist, with emphasis on emergency care and treatment, blood gas analysis, arterial puncture, and endotracheal intubation.

Term(s) Offered: Spring

REST 262 - Clinical Applications of Respiratory Therapy II

Credits: 2

Continuation of Respiratory Therapy REST 261, with emphasis on neonatology and pediatric ventilation and intubation.

Term(s) Offered: Spring

REST 263 - Clinical Applications of Respiratory Therapy III

Credits: 2

Continuation of Respiratory Therapy REST 261 and REST 262, with emphasis on general, thoracic, and neurosurgical conditions, as well as spirometry and pulmonary function.

Term(s) Offered: Spring

REST 291 - Clinical Practice of Respiratory Therapy Procedures I And III

Credits: 2

Practical study of the theory and practice of respiratory therapy and the treatment of respiratory diseases. Includes seminar discussions of client problems relevant to respiratory care.

Term(s) Offered: Fall

REST 292 - Clinical Practice of Respiratory Therapy Procedures II And IV

Credits: 1

Continuation of Respiratory Therapy REST 291.

Term(s) Offered: Spring

REST 293 - Clinical Practice of Respiratory Therapy Procedures V And VI

Credits: 1

Continuation of Respiratory Therapy REST 292.

Term(s) Offered: Summer

REST 294 - Clinical Practice of Respiratory Therapy I

Credits: 3

Provides experience in the clinical application of respiratory care in the critical care setting. Students also gain experience in other areas of the hospital including the OR, ER, and special care areas.

Term(s) Offered: Fall

REST 295 - Clinical Practice of Respiratory Therapy II

Credits: 1

Continuation of Respiratory Therapy REST 294.

Term(s) Offered: Spring

REST 391 - Clinical Practice of Respiratory Therapy III

Credits: 3

Provides experience in clinical respiratory therapy patient care. Emphasizes the assessment and management of patients in critical care and rehabilitation.

Term(s) Offered: Summer

STEM 101 - PLUSS Seminar

Credits: 1

This course is designed to provide exposure to the different STEM disciplines. The seminar will provide opportunities for student to strengthen their foundational knowledge and will provide resources to enhance the study of STEM courses. This course is only open to engineering, mathematics, and science majors.

Prerequisite(s): Admission to the PLUSS program is required.

SOCW 221 - Introduction to Social Work

Credits: 3

This course is an introduction to the field of social work. The class is designed to expose the student to the profession of social work, an overview of systems theory, and the relationship of the social worker to the overall social welfare system. The course will emphasize a core understanding of generalist social work practice, the NASW Code of Ethics, and the social work roles needed to impact systems to solve human problems. Special emphasis will be placed on helping the student to develop an understanding and appreciation for diverse cultures, social and economic justice, disabilities, and populations at risk. Open to all students.

Prerequisite(s): No prereq.

Term(s) Offered: Fall, Spring

SOCW 222 - Social Welfare: Emergence of the Social Services

Credits: 3

This course explores the philosophical and historical evolution of the American social welfare system. Course content will cover public and voluntary efforts to deal with poverty and other social problems. Theories of political influence on social change are addressed. Content on social justice, oppression, discrimination, spirituality, and diversity are included. Open to all students.

Term(s) Offered: Fall, Spring

SOCW 223 - Introduction to Gerontology

Credits: 3

This is an introductory course to the field of gerontology with an emphasis on programs, resources, and services provided to older populations. Open to all students.

Prerequisite(s): No prereq.

Term(s) Offered: Fall

SOCW 224 - Introduction to Social Justice

Credits: 3

Introduction to Social Justice is a semester-long course designed to engage students in the careful reading and critical analysis of topics related to social justice issues from historical perspectives. Through readings, guest speakers, field experiences, and independent inquiry, students will deepen their understanding of a variety of social justice movements.

Prerequisite(s): ENG 101 (may be taken concurrently)

SOCW 225 - Child Welfare Services

Credits: 3

This introductory course provides a survey of child welfare services in the human services field. Various services are examined including child abuse and neglect, adoption, foster care, and family support services. Open to all students.

Prerequisite(s): No prereq.

Term(s) Offered: Fall, Spring

SOCW 238 - Disabilities in Contemporary Society

Credits: 3

This course explores important issues regarding disabilities in contemporary society. The history of treatment of people with disabilities will be explored with an emphasis on the implications of this history in current programs and services. Special focus will be placed on a critical analysis of the assumptions that support contemporary thinking about disabilities and the service delivery systems based on these assumptions. The range of disabilities addressed will include developmental, adventitious, hidden, and visible. Open to all students.

Prerequisite(s): No prereq.

Term(s) Offered: Spring

SOCW 239 - Human Behavior and the Social Environment

Credits: 3

This course is designed as a focal point of integration for human behavior content already encountered in life span development, biology of human concern, and social work courses required of pre-majors. The overall goal of this course is to assist the student in understanding the "person-in-environment" and systems concepts when working with individuals, families, and groups. This course will provide opportunities for the student to understand the biological, psychological, sociological, and spiritual aspects of individuals as well as other cultures and minority groups. As a result, students will be able to integrate these components of human behavior as generalist social workers.

Prerequisite(s): SOCW 221, SOCW 222, SOC 121, PSY 201, PSY 261, and BIOL 105.

Term(s) Offered: Fall, Spring, Summer

SOCW 241 - Social Work Intervention

Credits: 3

Basic introduction to generalist social work practice and its various modes of intervention. The course gives the student a frame of reference for analyzing various systems encountered in social work practice and an opportunity to experience some of the concepts, skills, value systems, and activities which are the foundation of the practice of social work.

Prerequisite(s): SOCW 221, SOCW 222, PSY 201, PSY 261, SOC 121, and BIOL 105.

Term(s) Offered: Fall, Spring, Summer

SOCW 323 - Social Work Practice with the Aged

Credits: 3

This course is designed to give the student an overview of the variety of social, psychological, physical, economical, and environmental issues that confront our aging population today. Students will be exposed to a number of social work generalist roles, primary prevention strategies, and relevant social work interventions which are based on major theoretical approaches in working with this population. Open to all students.

Prerequisite(s): No prereq.

Term(s) Offered: Spring

SOCW 325 - Introduction to Social Work Statistics

Credits: 3

This basic statistics course is designed to expose students to descriptive and inferential statistical measurements. The course will overview various methods of data collection, analysis, and presentation. Research methodology and related issues will be examined as they pertain to the social work researcher and more specifically, the social work practitioner.

Prerequisite(s): SOCW 221 and MATH 100. Open to social work majors and pre-majors or consent of instructor.

Term(s) Offered: Fall, Spring

SOCW 326 - Introduction to Social Work Research

Credits: 3

The course is designed to expose the student to the fundamentals of social work research methodology. Students will gain basic skills and knowledge related to hypothesis development, sampling procedures, research methodology, measurement processes, and evaluative procedures. Careful attention will be paid to research methodology used by the social work professional to evaluate macro and micro practice situations and program development.

Prerequisite(s): SOCW 325 and open to social work majors and pre-majors or consent of instructor.

Term(s) Offered: Spring

SOCW 340 - Communications Skills

Credits: 3

A laboratory experience that engages students in experiential learning situations which enhance interpersonal communication and professional interviewing skills essential to the helping professions. Variables including culture, race, gender, age, ethnic background, disability, and social and economic justice will be examined as they impact the professional communications process. Open to social work majors only.

Term(s) Offered: Fall

SOCW 341 - Social Welfare Policy-Program and Service Delivery Analysis

Credits: 3

Social work is a policy-based profession and this course takes the student through the analysis of policy as it affects the practice of social work. The student will study the historical, social, political, and economical aspects of social welfare policy and engage in the analysis of a social welfare policy. The course also will be examining the impact of policy change on both diverse groups and populations at risk. Open to social work majors only.

USI Core 39: Embedded Experience-Writing.

Prerequisite(s): ENG 201

Term(s) Offered: Spring

SOCW 342 - Social Work Practice with Micro Systems I

Credits: 3

This course is designed to build knowledge and develop the skills needed to work with individuals in a variety of settings. Generalist practice intervention is used as a model to help the student in understanding and completing assessments and in developing intervention plans among diverse populations and populations at risk. The student also will explore ethical and value issues that confront the social worker. Open to social work majors only.

Term(s) Offered: Fall

SOCW 343 - Social Work Practice with Micro Systems II

Credits: 3

The purpose of this course is to train student social workers in group methods that will be utilized in generalist social work practice situations. The types of social group work are covered, the history of group work, and the skills needed to be an effective group leader are presented. Students also will be exposed to group work with both diverse groups and/or populations at risk. Open to social work majors only.

Term(s) Offered: Spring

SOCW 344 - Social Work Practice with Macro Systems

Credits: 3

The macro course prepares social work students to facilitate planned changes in the community and within agencies. Social work macro practice theory and strategies will be presented to students in the course. The student will demonstrate learning by identifying a problem or need in the community, developing an implementation plan based on solid research, and carrying out the implementation plan and evaluating the results. Open to social work majors only.

Term(s) Offered: Fall

SOCW 390 - Independent Study in Social Work

Credits: 1-3

This course is intended for the examination of special topics in social work on an individual basis. Topics will be developed and examined on an arranged basis in agreement with the student and the supervising faculty member. Research will culminate in a scholarly paper submitted by the student.

Prerequisite(s): social work junior standing and consent of instructor.

Term(s) Offered: Fall, Spring, Summer

SOCW 392 - Global Social Work

Credits: 3

This course is designed for students seeking to increase their global awareness by engaging in social service work outside the United States. Included in the course is a visit to another country where students will apply social work skills and values through service learning activities.

Prerequisite(s): SOCW 221, permission of instructor, and sophomore standing.

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

Term(s) Offered: Spring

SOCW 400 - Special Topics in Human Service Practice

Credits: 3

This course provides students exposure to a variety of selected topics of current interest and importance in human service delivery. These topics will change with the interests of faculty and students.

Prerequisite(s): Sophomore standing.

Term(s) Offered: Fall, Spring, Summer

SOCW 401 - Social Work Practicum I

Credits: 3

An experiential, on-site supervised learning opportunity consisting of a minimum of 150 contact hours per semester or approximately 12 hours per week in a local social service agency approved by the director of field in the Social Work Department. The student will be exposed to the actual skills and behavior of the professionals in social work and will have the opportunity of testing newly formed values and knowledge. Open to social work majors only.

Prerequisite(s): Senior standing and consent of the director of field.

Co-Requisite(s) (must be taken at same time as): SOCW 402.

Term(s) Offered: Fall

SOCW 402 - Social Work Practice I

Credits: 3

The focus is on integrating classroom knowledge content as it relates to the issues of the field practicum. Open to social work majors only.

Prerequisite(s): Senior standing and consent of the director of field.

Co-Requisite(s) (must be taken at same time as): SOCW 401.

Term(s) Offered: Fall

SOCW 411 - Social Work Practicum II

Credits: 6

Course provides supervised experiential learning external to the classroom. A minimum of 300 contact hours per semester or approximately 20 hours per week are spent in a community social service agency or related organization to develop social work skills and gain supervised practice in performing the role of social worker. Open to social work majors only.

Prerequisite(s): Senior standing, completion of all social work major courses except SOCW 412 and SOCW 413, and consent of the director of field.

Concurrent (may be taken at same time): Must be taken concurrently with SOCW 412.

Term(s) Offered: Spring

SOCW 412 - Social Work Practice II-Integration Seminar for Social Work Practicum II

Credits: 3

Focus is on providing field students the opportunity of resolving issues encountered in the practicum by consulting with their peers. Under the direction of the faculty, the students participate in consultation/training and peer interaction to enhance the learning gained in the field practicum. Open to social work majors only.

Prerequisite(s): Senior standing, completion of all social work major courses except SOCW 411 and SOCW 413, and consent of the director of field.

Concurrent (may be taken at same time): Must be taken concurrently with SOCW 411.

Term(s) Offered: Spring

SOCW 413 - BSW Project-Research Study

Credits: 3

The student will choose from one of several "Project Options." With the guidance of the social work faculty, students are expected to carefully develop a project which culminates in a "Senior Level" project or research term paper. The paper will be developed in the final semester of the student's senior year. The student must have completed all social work requirements, with the exception of SOCW 411 and SOCW 412 . Open to social work seniors only.

Term(s) Offered: Spring

SOC 121 - Principles of Sociology

Credits: 3

An examination of social dynamics and consequences of social life. The main topics are culture, social groups, socialization, deviance, social stratification, race relations, gender, and family. It is required of majors and minors.

USI Core 39: Ways of Knowing-Social Inquiry; Social Science-BS; Embedded Experience-Diversity.

This course is part of the Core Transfer Library (CTL).

Indiana Statewide Common Course #: ISH 1060.

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

Term(s) Offered: Fall, Spring, Summer

SOC 200 - Special Topics in Sociology

Credits: 3

This course is a means for the study of selected topics of current interest and importance in sociology. These topics will vary in accordance with the interests of students and faculty. Students may repeat the course without limit as the topic changes.

Prerequisite(s): SOC 121.

SOC 225 - Criminology

Credits: 3

A consideration of criminality, its nature and extent, particularly in the United States. Includes analysis of the etiology of criminal behavior, the sociology of criminal law, and societal reaction to criminals.

Term(s) Offered: Fall

SOC 231 - Social Problems

Credits: 3

Examination of the nature, extent, causes, and effects of selected contemporary social problems, such as gender, sexual behavior, drugs, environment, economic inequality, racial inequality, crime, and education.

This course is part of the Core Transfer Library (CTL).

Indiana Statewide Common Course #: ISH 1061.

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

Term(s) Offered: Fall, Spring

SOC 251 - Principles of Social Psychology

Credits: 3

A general consideration of human behavior in social situations with particular emphasis on communication processes, socialization, social roles, social self, and social groupings.

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

SOC 261 - Marriage and Family

Credits: 3

The course examines research about the family life cycle. The specific areas investigated are sex roles, a history of the American family, dating, sexual behavior, marriage, childbirth, children, the middle-aged, the elderly, divorce, and step-parenting.

USI Core 39: Ways of Knowing-Social Inquiry; Social Science-BS; Embedded Experience-Diversity.

Prerequisite(s): SOC 121.

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

SOC 335 - Juvenile Delinquency

Credits: 3

An in-depth study examination of juvenile delinquency and its causes, effects, treatment and prevention. Includes analysis of how social institutions influence delinquency, theoretical explanations for delinquency, and the creation and current efforts of the juvenile justice system.

Prerequisite(s): SOC 121 and junior standing.

Term(s) Offered: Spring

SOC 341 - Sociology of Medicine

Credits: 3

The social organization of medical care. The course considers patterns of morbidity and mortality, social epidemiology of disease, social effects of disease, doctor-patient relationships, cost of medical services, hospitalized patients, modes of medical practice, hospital organization, and programs of medical care.

Prerequisite(s): SOC 121.

SOC 343 - Sociology of Death and Dying

Credits: 3

The social structures and processes involved with death and dying. The course considers different concepts of death, death as a social disease, the demography of death, the determination of death, the funeral industry, the social psychology of dying, dying patients, and the survivors of death.

Prerequisite(s): SOC 121.

SOC 345 - Simulated Games of Society

Credits: 3

The study of society through the use of simulated games. The power structure, the social class system, the justice system, sex roles, different cultures, whole societies, ghettos, economic systems, municipal politics, and national political parties are simulated in classroom games to provide the student with experiential knowledge of these processes.

Prerequisite(s): SOC 121.

SOC 370 - Seminar in Sociology

Credits: 3

An intensive, small-group discussion of recent research on topics of current interest to sociologists. The seminar format will emphasize critical thinking and discussion.

Prerequisite(s): junior standing.

Repeatability: Students may take the course more than once as the reading list changes.

Term(s) Offered: Fall, Spring, Summer

SOC 371 - Classical Sociological Theory

Credits: 3

An examination of 19th and early 20th century developments in sociological theory. Course examines developments in some of

the major theoretical traditions. The context and key ideas of each tradition will be considered. Students will read original texts.

Prerequisite(s): SOC 121 and three hours of sociology or consent of instructor.

Term(s) Offered: Fall

SOC 372 - Contemporary Sociological Theory

Credits: 3

An examination of early 20th century to present developments in sociological theory. Course examines developments in some of the major theoretical traditions. The context and key ideas of each tradition will be considered. Students will read original texts.

Prerequisite(s): SOC 371.

Term(s) Offered: Spring

SOC 375 - Social Change

Credits: 3

An investigation of change in cultural patterns, behavioral relationships, and social structure. Topics comprise social movements, work, urbanization, family, computerization, social organizations, and other aspects of American society.

Prerequisite(s): SOC 121 and junior standing.

SOC 391 - Introduction to Sociological Research

Credits: 3

An examination of the various methods that sociologists use to conduct research. Course work includes concept formation, sampling, questionnaire construction, content analysis, experiments, and field observations. Students learn how to conceptualize and design their own research project.

Prerequisite(s): nine hours of sociology/criminal justice studies courses.

Term(s) Offered: Fall

SOC 392 - Statistics for Social Research

Credits: 3

An introductory course in descriptive and inferential statistics. Course work includes probability, univariate statistics, bivariate statistics, and statistical modeling using the SPSS computer analysis software package. Students learn how to write research reports using statistical evidence.

Prerequisite(s): SOC 391, MATH 108 or MATH 111.

Term(s) Offered: Spring

SOC 415 - Sociology of the Environment

Credits: 3

A sociological approach to understanding the interaction of society and the natural environment. It focuses on social causes and consequences of environmental problems and mitigating actions taken toward them. It also addresses inequality in the distribution of environmental problems. Several specific cases are studied in detail.

Prerequisite(s): Any approved Diversity course and six hours of sociology or consent of instructor.

SOC 421 - Race and Ethnicity

Credits: 3

A sociological exploration of the origins and influence of race, ethnicity, and cultural/national identity in American and international stratification systems.

Prerequisite(s): six hours of sociology or consent of instructor.

SOC 424 - Population

Credits: 3

The quantitative and qualitative aspects of population and population trends in significant areas of the world; emphasis is on cultural implications with some attention to population research techniques.

Prerequisite(s): six hours of sociology or consent of instructor.

SOC 426 - Sociology of Deviant Behavior

Credits: 3

An examination of various concepts of deviant behavior, the nature and prevalence of such behavior, and the theories developed to explain deviance. The course emphasizes the relationship of such behavior to social structure and social processes.

Prerequisite(s): six hours of sociology or consent of instructor.

SOC 431 - Gender and Society

Credits: 3

An exploration of gender patterns. The course focuses on gender differences. It analyzes the causes and the consequences of these differences for social life, including the various social inequalities between males and females that have become institutionalized in American society.

Prerequisite(s): six hours of sociology or consent of instructor.

Term(s) Offered: Fall, Spring

SOC 441 - Social Movements

Credits: 3

Consideration of social movements as attempts to establish a new order of life. Analyzes states of development from inception to the achievement of full institutionalization. Specific social movements are examined such as the labor movement, the women's movement, and racial, religious, and political movements.

Prerequisite(s): six hours of sociology or consent of instructor.

SOC 461 - Sociological Issues in Education

Credits: 3

An examination of current problems and controversies in American education from preschool to college, particularly issues involving quality and equality. The course explores the reciprocal influence between educational institutions and other institutions in American society.

SOC 463 - Wealth and Poverty

Credits: 3

An examination of social stratification in U.S. society with comparisons to other countries. The course explores different indicators of inequality, the social class system, theories of inequality, poverty, social mobility, and legitimation of inequality. It also explores racial and gender stratification.

USI Core 39: Embedded Experience-Writing.

Prerequisite(s): ENG 201 and six hours of sociology or consent of instructor.

SOC 489 - Independent Study

Credits: 1-3

An extensive examination of the main sociological ideas on a specific topic. The major paper is a product of critical reading or

advanced research.

Prerequisite(s): nine hours in sociology and consent of instructor.

Repeatability: The course may be taken up to six hours.

Term(s) Offered: Fall, Spring

SOC 499 - Internship in Sociology

Credits: 3

An opportunity for a job-related experience in the area of sociology. Students will be placed in an agency that reflects their future occupational interests.

Prerequisite(s): nine hours in sociology and consent of instructor.

Repeatability: The course may be taken up to six hours.

Term(s) Offered: Fall, Spring

SPAN 101 - Beginning Spanish I

Credits: 3

Fundamentals of Spanish; no previous Spanish required. Emphasis on the four language skills of listening, speaking, reading, and writing in the cultural context of the Spanish speaking countries. In addition to regular class meetings, students are required to complete one hour per week in the language lab.

USI Core 39: World Languages-BA; World Language and Culture-BS; Embedded Experience Diversity.

This course is part of the Core Transfer Library (CTL).

Indiana Statewide Common Course #: IWL 1910.

SPAN 102 - Beginning Spanish II

Credits: 3

Fundamentals of Spanish; continuation of SPAN 101. Emphasis on the four language skills of listening, speaking, reading, and writing in the cultural context of the Spanish speaking countries. In addition to regular class meetings, students are required to complete one hour per week in the language lab.

USI Core 39: World Languages-BA; World Language and Culture-BS; Embedded Experience Diversity.

Prerequisite(s): SPAN 101 or consent of instructor.

This course is part of the Core Transfer Library (CTL).

Indiana Statewide Common Course #: IWL 1911.

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

SPAN 203 - Intermediate Spanish I

Credits: 3

Continuation of SPAN 102. Emphasis on the four language skills of listening, speaking, reading, and writing in the cultural context of the Spanish-speaking countries. In addition to regular class meetings, students are required to complete one hour per week in the language lab.

USI Core 39: World Languages-BA; World Language and Culture-BS; Embedded Experience Diversity.

Prerequisite(s): SPAN 102 or consent of instructor.

This course is part of the Core Transfer Library (CTL).

Indiana Statewide Common Course #: IWL 1912.

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

SPAN 204 - Intermediate Spanish II

Credits: 3

Continuation of SPAN 203. Emphasis on the four language skills of listening, speaking, reading, and writing in the cultural context of the Spanish-speaking countries. In addition to regular class meetings, students are required to complete one hour per week in the language lab.

USI Core 39: Ways of Knowing-World Languages and Culture; World Languages-BA; World Language and Culture-BS; Embedded Experience-Diversity.

Prerequisite(s): SPAN 203 or consent of instructor.

This course is part of the Core Transfer Library (CTL).

Indiana Statewide Common Course #: IWL 1913.

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

SPAN 205 - Cultural Contexts for Conversation

Credits: 3

Intensive oral practice of Spanish on the intermediate level. Topics include Hispanic popular culture, current events, work, and travel.

Prerequisite(s): SPAN 203 or consent of instructor.

Concurrent (may be taken at same time): May be taken concurrently with SPAN 204 or SPAN 306.

SPAN 275 - The Hispanic Film

Credits: 3

Weekly showings and discussions of Hispanic films. Analysis of the thematic and artistic diversity from its beginnings in the

early 20th century to the present. (Course taught in English)

USI Core 39: Ways of Knowing-Creative and Aesthetic Expression; Embedded Experience-Global.

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

SPAN 303 - Spanish for Heritage Speakers

Credits: 3

Expansion of bilingual proficiency of Spanish-heritage speakers. Emphasis on basic language development in reading, writing, and cultural knowledge.

Prerequisite(s): consent of instructor.

SPAN 306 - Advanced Spanish I

Credits: 3

Continuation of SPAN 204. Emphasis on the four language skills of listening, speaking, reading, and writing in the cultural context of the Spanish-speaking countries. In addition to regular class meetings, students are required to complete one hour per week in the language lab.

USI Core 39: Ways of Knowing-World Languages and Culture; Embedded Experience-Diversity.

Prerequisite(s): SPAN 204 or consent of instructor.

SPAN 307 - Advanced Spanish II

Credits: 3

Continuation of SPAN 306. Emphasis on the four language skills of listening, speaking, reading, and writing in the cultural context of the Spanish-speaking countries. In addition to regular class meetings, students are required to complete one hour per week in the language lab.

Prerequisite(s): SPAN 306 or consent of instructor.

SPAN 308 - Hispanic Cultures

Credits: 3

Study of Hispanic cultures, emphasizing developments in language, literature, philosophy, the arts, politics, traditions and institutions from the beginnings to present. (Course may be taught in English.)

USI Core 39: Ways of Knowing-World Languages and Culture; Embedded Experience-Global.

Prerequisite(s): SPAN 306.

SPAN 325 - Introduction to Hispanic Literature

Credits: 3

Critical readings and literary and cultural analysis of selected Latin American and Spanish texts from the Middle Ages to present in the major literary genres.

Prerequisite(s): SPAN 306 or consent of instructor.

SPAN 332 - US Latino Literature and Culture

Credits: 3

A study of Latino Voices in the United States.

Prerequisite(s): SPAN 306 or consent of instructor.

SPAN 333 - Afro-Latin American Studies

Credits: 3

Study of social conditions, and literary and cultural products of Latin American minorities of African descent that have contributed to the establishment of modern nation-states.

Prerequisite(s): SPAN 306 or consent of instructor.

SPAN 335 - Spanish for the Professional

Credits: 3

Study of the working knowledge of the target language, cultural behaviors, and values useful in various professional fields. Course may include a service learning component.

Prerequisite(s): SPAN 306 or consent of instructor.

SPAN 344 - Hispanic Literature in Translation

Credits: 3

Study and analysis of selected Spanish American and Spanish literary masterworks in English translation.

SPAN 365 - Introduction to Applied Linguistics

Credits: 3

Focuses on the development of language in human beings, first and second language acquisition in formal or informal settings, including computer-assisted language learning. (Course taught in English)

Prerequisite(s): Sophomore standing

SPAN 402 - Composition and Stylistics

Credits: 3

Intensive practice of original compositions with a review of the difficult points of grammar, directed to promote students to write Spanish correctly and to develop a literary style.

Prerequisite(s): SPAN 306 or consent of instructor,

SPAN 411 - Spanish Linguistics I

Credits: 3

Fundamentals of Spanish phonetics, phonology, and dialectology.

Prerequisite(s): SPAN 306 or consent of instructor,

SPAN 412 - Spanish Linguistics II

Credits: 3

Fundamentals of Spanish morphology, syntax, and semantics, including an overview of the history of the Spanish language.

Prerequisite(s): SPAN 306 or consent of the instructor.

SPAN 413 - Spanish American Narrative

Credits: 3

The study of Spanish American narrative from romantic to psychological, text, including the novel.

Prerequisite(s): SPAN 307 or consent of the instructor.

SPAN 414 - Hispanic Poetry

Credits: 3

Study of the development and understanding of traditional poetry forms as manifested in the literature of Spanish America and Spain.

Prerequisite(s): SPAN 307 or consent of instructor.

SPAN 415 - The Hispanic Essay

Credits: 3

Literary analysis of ideas of the principle thinkers of Spanish American countries and Spain through their most important works.

Prerequisite(s): SPAN 307 or consent of instructor.

SPAN 417 - Hispanic Drama

Credits: 3

Study of 20th century drama, emphasizing the contributions of dramatic traditions in Latin America and Spain.

Prerequisite(s): SPAN 307 or consent of instructor.

SPAN 454 - Golden Age Drama

Credits: 3

The verse dramas which illustrate the dramatic techniques and themes prevalent in Spain (1600-1700).

Prerequisite(s): SPAN 307 or consent of instructor.

SPAN 460 - Internship in Spanish

Credits: 1-6

An opportunity for job-related experience in the area of language studies.

Prerequisite(s): Consent of department chairperson.

Repeatability: The course may be taken for a maximum of six credit hours.

SPAN 490 - Special Topics in Spanish

Credits: 3

Specialized topics to study in the fields of Spanish language study, teacher preparation, culture, and literature..

Prerequisite(s): Consent of instructor.

Repeatability: Students may repeat the course without limits as the topic changes.

SPAN 499 - Individual Study in Spanish

Credits: 1-3

Research or advanced study in a specific area of Hispanic literature, culture, education, or language, culminating in an analytical paper or comprehensive exam.

Prerequisite(s): Approval of department chair.

Repeatability: May be taken for up to six credit hours.

SPTM 223 - Principles of Recreation

Credits: 3

As an introductory course in recreation services, emphasis is placed on the history, concepts, principles, and philosophical rationale of the recreation movement. Types of recreation sponsorship are analyzed, and a detailed investigation is made into the function of governmental levels in recreation. Future implications for recreation as a profession are analyzed in light of current trends. Course topics include philosophy, history, theory, and survey of public and private recreation service organizations. As an introductory course in recreation and leisure services, emphasis is placed on the history and development of concepts, principles, and philosophical rationale of the recreation movement. The development of leisure and recreation is investigated from ancient to modern times. Future implications for recreation as a profession are analyzed in light of current trends. Course topics include historical investigations of the philosophic and theoretical bases of public and private recreation service organizations.

USI Core 39: Ways of Knowing-Historical Inquiry; Embedded Experience-Writing.

Prerequisite(s): ENG 201.

Term(s) Offered: Fall

SPTM 225 - Principles of Intercollegiate Athletic Administration

Credits: 3

This course provides a comprehensive view of management processes such as the hiring of coaches, generating revenue to cover expenses, recruiting and its mechanics and regulations, ensuring the well-being of student-athletes, and Title IX enforcement.

Term(s) Offered: Fall

SPTM 226 - Principles and Problems of Coaching

Credits: 3

Examines the basic philosophies and concepts of coaching. Attention is focused on the background information of coaching in general rather than on specific sports. Topics of study include the background of athletics, program organization, conditioning, motivation, and public relations as they relate to the coaching position.

Term(s) Offered: Fall, Spring

SPTM 228 - Principles and Applications of Sport Management

Credits: 3

Introduces the foundations and principles on which sport management operates. A general overview of the sport industry and the fundamental knowledge and skill sets of the sport manager are discussed. Potential employment and career choices are highlighted.

Term(s) Offered: Fall, Spring

SPTM 263 - Outdoor Adventure Education

Credits: 2

This course covers the philosophy of Outdoor Adventure Education by examining the practical organizational and instructional skills needed for outdoor leadership. The student will be presented with definitions of terms related to outdoor education, historical antecedents, environmental and adventure education. This course will also present perspectives on the social and psychological benefits of outdoor education.

Term(s) Offered: Summer

SPTM 283 - Field Experience in Sport and Exercise

Credits: 1

Provides students with practical experiences in sport and exercise related fields. Students have the opportunity to observe professionals at work and learn about the basic operations of a facility and about programs and services offered.

Prerequisite(s): Must be a declared exercise science, kinesiology, sport management, or health professions major.

Term(s) Offered: Fall, Spring

SPTM 288. - Introduction to Sport Communication

Credits: 3

The course will provide a comprehensive understanding of the emerging field of sport communication. Through the examination of key research, current trends, industry demands, and the organizational value of sport communication, readers will gain a thorough grounding in the diverse areas the field offers for both academic study and professional practice.

Term(s) Offered: Fall

SPTM 302 - Practicum in Recreational Sports

Credits: 3

Integrates coursework with planned and supervised recreational sports experiences for a total of 150 hours.

Prerequisite(s): Sophomore standing

Term(s) Offered: Fall, Spring, Summer

SPTM 303 - Practicum in Intercollegiate Athletics

Credits: 3

Integrates coursework with planned and supervised intercollegiate athletic experiences for a total of 150 hours.

Prerequisite(s): Sophomore standing

Term(s) Offered: Fall, Spring, Summer

SPTM 304 - Research Methods in Kinesiology and Sport

Credits: 3

This course will explore the identification and evaluation of research problems within the fields of kinesiology and sport. Students will engage in the interpretation of research in sport management, exercise science, human movement science, leisure, and athletic training; and will learn basic statistical analysis and interpretation. Attention will be paid to the research process including research design, data collection methods and dissemination of pertinent results.

Prerequisite(s): Foundational core MATH course.

Cross-Listed: KIN 304.

SPTM 332 - Sport Facility Management

Credits: 3

Introduces students to skills needed to manage a sport facility including operations, maintenance, finance/budgeting, purchasing, human resources, security, design/ development, and legal issue within diverse settings. Practical application is provided through exercises that are completed by visiting sport facilities in the community during the semester.

Prerequisite(s): Sophomore standing.

Term(s) Offered: Fall, Spring

SPTM 333 - Sport Marketing

Credits: 3

Introduces marketing tools that are utilized within the sport industry, at the promotions, branding strategies, and product position statements. professional, intercollegiate, and interscholastic levels. Sport marketing plans are created, which provide practical experience in developing SWOT analyses, market segmentation approaches, pricing schemes, sponsorship packages, promotions, branding strategies, and product position statements. Students also gain knowledge of foundational concepts such as consumer behavior and market research.

Prerequisite(s): Sophomore standing.

Term(s) Offered: Fall, Spring

SPTM 334 - Sport Event Management

Credits: 3

Introduces planning, funding, operating, and evaluating events within the sport industry. Provides practical application through the involvement of planning and managing events during the semester.

Prerequisite(s): Sophomore standing.

Term(s) Offered: Fall, Spring

SPTM 335 - Sport Publicity and Promotion

Credits: 3

Introduces the responsibilities of college sports information directors or professional sports public relations professionals including writing press releases, creating media kits, and developing crisis communication plans. Additional topics of discussion include the integration of public relations with strategic management, interviews and press conferences, internal and external communication, legal aspects of PR, and the symbiotic relationship between sport and the media.

Prerequisite(s): Sophomore standing

Term(s) Offered: Fall, Spring

SPTM 336 - Governance and Ethics in Sport

Credits: 3

Encourage students to integrate management and ethical theory with governance and policy development practices. Introduction to the power and politics, as well as the ethical problems, dilemmas, and conflicts within different sport organizations and the basics of managerial activities necessary for sport governance and policy development.

USI Core 39: Ways of Knowing-Moral and Ethical Reasoning.

Prerequisite(s): Sophomore standing

Term(s) Offered: Fall, Spring

SPTM 337 - Recreational Sports Administration

Credits: 3

As a specialized course in recreational sport service delivery and management, an overview of programmatic elements and techniques in recreational sports is provided. Topics include informal, intramural, club, extramural, and instructional sports programming; values of recreational sports; and terminology and career opportunities in various recreational sport settings.

Prerequisite(s): Sophomore standing

Term(s) Offered: Spring

SPTM 353 - Sport Blogging and Social Media

Credits: 3

This course is designed for both inexperienced and experienced social media users. Throughout the semester, students will be introduced to various social media platforms with an emphasis being placed upon hands-on experience. The primary focus of this course will be the relationship between sport and social media. However, students will be expected to understand the larger social implications associated with these various mediums.

Prerequisite(s): Sophomore standing.

Term(s) Offered: Spring

SPTM 390 - Special Topics in Sport Management

Credits: 1-3

A study of selected topics of current interest and importance in sport management. These topics may include opportunities for students to complete research, participate in experiential learning experiences, and a wide variety of learning activities in accordance with the interests and importance of kinesiology and sport.

SPTM 451 - Legal Aspects of Sport

Credits: 3

Examines the basic legal and risk management issues surrounding the sport management profession. Informs future sport managers of their legal duties and responsibilities, prevention of legal liability and litigation, and the basic foundation of the U.S. legal system.

Prerequisite(s): Junior Standing

Term(s) Offered: Fall, Spring

SPTM 452 - Sport Finance and Economics

Credits: 3

Examines the basic financial and managerial accounting procedures encountered within the sport industry including revenue sources for professional and collegiate sport organizations, sponsorship development, and stadium financing. Additional topics include fundraising, economic impact analysis, and private/public subsidy. Practical experience is provided in the form of sponsorship package creation.

Prerequisite(s): Junior Standing

Term(s) Offered: Fall, Spring

SPTM 453 - Diversity in Sport

Credits: 3

This course explores how historical and contemporary forces in society have shaped the opportunities and experiences of various cultural groupings in the realm of sport. In particular, the course will focus on diversity issues as they relate to race, ethnicity, gender, social class, sexuality and physical ability/disability. Examples of possible topics include: Native American names and mascots for sport teams, homophobia in sport, social class stratification in sport, gender equity in collegiate sport, and the expansion of sporting opportunities for individuals with disabilities.

USI Core 39: Embedded Experience-Diversity.

Prerequisite(s): Junior Standing

Term(s) Offered: Fall, Spring

SPTM 482 - NCAA Compliance and Institutional Control

Credits: 3

This course introduces students to the bylaws that govern institutions affiliated with the NCAA including Division I, II, and III athletic programs. Students will gain detailed knowledge of both governing principles and enforcement procedures. This course will offer a more specialized look into the inner workings of intercollegiate athletics operations. Furthermore, this course is necessary for anyone who wants to work within an athletic department whether it be in compliance, public relations, academic

affairs, marketing or management.

Prerequisite(s): Junior Standing

Term(s) Offered: Spring

SPTM 491 - Managing Organizations for Sport and Physical Activity

Credits: 3

Studies the four functions of management: planning, organizing, leading, and evaluating within sport and physical activity organizations. The four functions of management are applied in developing a potential organization.

Prerequisite(s): Junior standing.

Term(s) Offered: Fall, Spring, Summer

SPTM 492 - Contemporary Issues in Sport and Exercise

Credits: 3

This course will enable students to integrate information from their educational experiences to critically examine and analyze contemporary issues in sport and exercise from an interdisciplinary perspective. Current issues, trends, and challenges will be presented with the intent of provoking thorough and stimulating debate, so that students may identify their role in the resolution of issues.

USI Core 39: Embedded Experience-Global.

Prerequisite(s): Junior standing.

Term(s) Offered: Fall, Spring, Summer

SPTM 498 - Internship in Sport Management

Credits: 9

Students work at least 450 hours under the supervision of a professional within an approved sport related organization.

Prerequisite(s): Senior standing.

Term(s) Offered: Fall, Spring, Summer

TECH 103 - Materials & Manufacturing Processes

Credits: 3

Survey of materials commonly used in industry and the primary processes and techniques utilized in fabrication. Laboratory experiences will involve techniques of forming, drilling, machining, and welding metals and alloys.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (2-3)

Term(s) Offered: Fall

TECH 121 - CAD Fundamentals

Credits: 3

Principles of engineering modeling and documentation in a computer environment. Specific topics to be covered include visualization, geometric modeling of objects in a computer- aided design environment, and application of documentation standards and engineering conventional representations. Emphasis is placed on freehand sketching as a means of communication and on the accurate generation of three-dimensional computer models and documentation files.

Prerequisite(s): MATH 111.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (2-3)

Term(s) Offered: Spring

TECH 213 - Mechanics for Technology

Credits: 3

Mechanics is the study of bodies under the action of forces. This course will provide a real world understanding of physical objects and forces, primarily focused on statics. Topics will include particles, cables, beams, trusses, frames, and machines.

Prerequisite(s): PHYS 175 and MATH 215.

Term(s) Offered: Fall

TECH 261 - Fundamentals of Instrumentation

Credits: 2

This course covers the fundamental principles and circuitry used in electronic and electromechanical instrumentation. Topics include divider circuits, electronic and pneumatic relays, power supplies, bridge circuits, filters, operational amplifiers, digital logic, transmitters, and actuators. Applications are demonstrated in the laboratory experiments.

Prerequisite(s): PHYS 175.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (0-6)

TECH 272 - Robotics

Credits: 3

Introduction, classification, and application of robots and similar types of automated industrial equipment and corresponding educational robots. Fundamental principles and characteristics of representative robots are presented in the laboratory to demonstrate operational features. Both online (teach pendant) and off-line (computer) programming are demonstrated and used in

the laboratory.

Prerequisite(s): ENGR 104.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (2-3)

TECH 275 - Statistics and Safety in Manufacturing

Credits: 3

This course is designed to develop an understanding of the topic of statistics and its application to accident investigation, worker liability and compensation, and hazard control. Topics include the selection and use of appropriate statistical methods to analyze manufacturing safety data, the development of statistical inferences, and the application of probability.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (3-0)

TECH 298 - Service Learning: Leadership and Mentoring in Technology

Credits: 3

Technology students will be assigned to middle schools and high schools to work under supervision of the classroom teacher to help deliver the Project Lead the Way curriculum. Students are assigned classes by invitation of the appropriate middle and/or high school authorities and will assist the classroom teacher as necessary. Students must keep a journal during the course and write a report at the end of the semester.

Prerequisite(s): Junior or senior standing

Grading: Pass/No Pass

TECH 315 - Strength of Materials

Credits: 3

Strength of materials is the study of internal stresses and external strains that result from the application of external, thermal, and mechanical loads on an objects of given material and geometry. The laboratory experience will include material testing to determine physical and mechanical properties that will reinforce the principles studied.

Prerequisite(s): TECH 213.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (3-3)

Term(s) Offered: Spring

TECH 331 - Statistics in Manufacturing

Credits: 3

Topics include probability and probability distributions, sampling methods, statistical process control, hypothesis testing, regression and correlation analysis, and experiment design. Lab exercises include development and implementation of

experiments, data collection, and design of experiments. Use of both a calculator and various statistical software packages on a computer will be required for problem solving and report generation.

Prerequisite(s): MATH 215 or MATH 230.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (3-0)

TECH 343 - Servo and Non-Servo Hydraulics

Credits: 3

This course is intended to give the student a broad overview of the principles of servo and nonservo fluid power systems and the components that comprise these systems. Lecture and laboratory topics include pumps, linear and rotary actuators, control devices, and fluid conductors.

Prerequisite(s): PHYS 175 or PHYS 205 and MATH 215 or MATH 230.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (2-3)

TECH 351 - Thermodynamics and Heat Transfer

Credits: 3

This course is intended to give the students a broad overview of the principles of thermodynamics and heat transfer and the industrial applications that use these principles.

Prerequisite(s): MATH 215 or MATH 230 and PHYS 176 or PHYS 206.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (2-3)

TECH 362 - Manufacturing

Credits: 3

This course includes an introduction into the design and implementation of contemporary manufacturing systems. Single and multiple station, manual, mixed mode, automated, and flexible manufacturing systems are covered. Numerical analysis of these systems to determine production rates, product cost, defect rates, and efficiency will be performed. During the lab students will learn to program and operate various types of production hardware including CNC turning and milling machines.

Prerequisite(s): Junior standing in industrial supervision or advanced manufacturing or consent of instructor.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (2-2)

Term(s) Offered: Fall

TECH 367 - Advanced Manufacturing

Credits: 3

This course is designed to enhance the student's knowledge of advanced manufacturing principles and concepts of quality control, work and material requirements planning, automated manufacturing, and mass production methods.

Prerequisite(s): TECH 362.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (2-3)

Term(s) Offered: Spring

TECH 385 - Electrical Machines and Distribution Systems

Credits: 3

This course covers basic D.C. and A.C. circuit analysis, power distribution, and power machinery applications. The laboratory will provide an opportunity for hands-on experience with electrical machinery.

Prerequisite(s): MATH 215 or MATH 230.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (2-3)

TECH 401 - Work Cell and Production Systems Design

Credits: 3

This course covers practical application of the principles learned in previous courses to the design of various types of work cells and manufacturing systems. Case studies and example problems will be covered during the lectures. Lab exercises include the programming and operation of robots, CNC machines, and automated work cells.

Prerequisite(s): TECH 367.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (2-2)

TECH 411 - Materials

Credits: 3

Fundamental structures comprising the principal families of materials – metals, ceramics, and polymers; and how structures influence the properties of strength, hardness, heat treatment, plasticity, fatigue, creep, wear, etc. Experiments in the laboratory will demonstrate structure-property relationships.

Prerequisite(s): CHEM 175 and PHYS 176.

Lecture-Lab (ex: 3-1 means 3 hrs lecture and 1 hr lab): (2-3)

TECH 439 - Special Problems in Industrial Supervision or Advanced Manufacturing

Credits: 1, 2, or 3

An independent study course requiring the student to complete an assigned or self-generated project under the guidance of a

faculty member. The project will require application of various analytical methods and/or the use of computer models or laboratory facilities. A written report is required upon completion of the project.

Prerequisite(s): ENG 210, junior standing, and consent of advisor.

Repeatability: Not repeatable for credit.

Term(s) Offered: Fall, Spring

TECH 468 - Introduction to Senior Project

Credits: 1

This course will serve as a prerequisite to TECH 471 Senior Project. The scope of this course is to provide a basic preparation in project management and team work. In addition, students will be required to select a project, develop scope and milestones in order to be ready to start working on the project itself in TECH 471.

Prerequisite(s): Senior standing.

TECH 471 - Senior Project

Credits: 3

A course which provides an opportunity for synthesis of technical, professional, and general knowledge for industrial supervision students. Problems provided by industrial sponsors are studied by individual students or small teams of students to develop solutions which consider technical, economic, social, environmental, sustainability, ethical and manufacturability aspects of the problems. Formal written and oral reports to faculty, industrial sponsors, and invited guests are required.

USI Core 39: Embedded Experience-Writing.

Prerequisite(s): ENG 201, senior standing in industrial supervision or advanced manufactured and consent of advisor and department chair.

Term(s) Offered: Fall, Spring

THTR 101 - Introduction to Theatre

Credits: 3

Analysis of the nature of theatre, its origin and development from the standpoint of the play, the physical theatre, and its place in culture. Specific emphasis is placed on the study of styles and the various artistic components which "collaborate" to create theatre.

USI Core 39: Ways of Knowing-Creative and Aesthetic Expression.

This course is part of the Core Transfer Library (CTL).

Indiana Statewide Common Course #: IFA 1302.

Indiana Statewide Transfer General Education Core: Meets IN Statewide Core.

Term(s) Offered: Fall, Spring

THTR 102 - Intro to Theatrical Production

Credits: 3

Introduction to the major elements and theory of theatrical production including, but not limited to, back-of-house administration and organization, the various design disciplines, basic collaboration, and overview of current trends and technologies. Course will place specific emphasis upon the "visual" component and the basic procedures involved with mounting a performing arts production.

Term(s) Offered: Fall

THTR 120 - Theatre Laboratory I

Credits: 1

Assigned in one-hour units, two hours required for the major. Designed to provide credit for work completed on USI Theatre productions. Students are required to spend each semester working in a different technical area. A minimum of 42 contact hours of work is required.

Prerequisite(s): Consent of director or production area coordinator.

Term(s) Offered: Fall, Spring

THTR 150 - Practicum in Dance

Credits: 3

Provides a practical background in the fundamentals of three styles of dance. The techniques and discipline of dance will be explored and utilized, culminating in an examination that tests the comprehension, comportment, and flexibility of the student.

Repeatability: Course may be repeated once.

Term(s) Offered: Fall, Spring

THTR 153 - Improvisational Theatre

Credits: 3

This course employs improvisational exercise and training as a primary methodology to actor training, helping beginning actors to achieve unified state of mind and body in spontaneous acts of imagination. Course derives pedagogy from early and contemporary training approaches, from Lecoq and Spolin to Johnstone.

THTR 224 - Production Technology

Credits: 3

Fundamental study of scenery production and engineering, shop organization, and the various techniques and procedures utilized by production personnel. Course will include technical drawing, budgeting, instructional workshops, safety, task-oriented

engineering solutions, and theatre program production lab work.

Prerequisite(s): THTR 102.

THTR 226 - Production Graphics

Credits: 3

This course teaches the fundamental techniques for transferring design concepts into proper form for consultation with other theatre artists and technicians. Techniques include both hand-drafting skills and model-making.

Prerequisite(s): THTR 102 or consent of instructor.

THTR 228 - Theatre Graphics I

Credits: 3

This is an introductory course in the fundamentals of drafting for theatrical design utilizing Vectorworks and Lightwright. Emphasis is placed on 2-D drafting.

THTR 234 - Costume Technology

Credits: 3

This course is the study and practical application of both hand and machine sewing, clothing construction and basic pattern making.

THTR 235 - Stage Make-up

Credits: 3

Basic principles of the art and technique of make-up for the use in the design and execution of developing and projecting the stage character. Purchase of make-up kit required.

THTR 236 - Costume Crafts

Credits: 3

This course is a study and practical application of fabric modification techniques, beginning millinery, mask making, and jewelry making.

Prerequisite(s): No prereq.

THTR 243 - Lighting Technology

Credits: 3

Fundamental practice and theory of electrical applications in lighting a theatrical production and the collaborative process of basic theatrical lighting design. Course includes lighting terminology, electrical theory and practice, script analysis, the elements of design, and the design process. Projects include lighting observations, master electrician packets, and a lighting design project. Students will be required to participate in at least three outside lighting labs correlating to the USI Theatre productions season.

Prerequisite(s): THTR 102 or concurrent enrollment.

THTR 251 - Fundamentals of Acting

Credits: 3

Study and practice in the fundamentals of the acting process. Class emphasizes physical and vocal work in conjunction with exercises geared toward the expansion of personal imaginative skills. Class work focuses on monologues and improvisational games. Open to all University students.

USI Core 39: Ways of Knowing-Creative and Aesthetic Expression; Embedded Experience-Diversity.

This course is part of the Core Transfer Library (CTL).

Indiana Statewide Common Course #: IFA 1301.

Term(s) Offered: Fall, Spring

THTR 252 - Fundamentals of Scene Study

Credits: 3

Continued study and development of the fundamental acting processes taught in THTR 251. Class work consists of scene study focusing on the action, objective, and subtext of the actor's characterizations.

Prerequisite(s): THTR 251 or permission of the instructor.

THTR 253 - Voice and Diction

Credits: 3

Concerned with the anatomy and function of the speech mechanism. Emphasis on articulation, phonation, and resonance. Study of voice characteristics, vocal quality, volume, rate, pitch, and force. This course requires that the students learn the International Phonetic Alphabet. Students evaluate their own speech characteristics.

Repeatability: May be repeated once.

THTR 254 - Stage Combat

Credits: 3

Students learn safe techniques for stage combat, including hand-to-hand (fisticuffs) and armed (rapier/dagger) combat. Students will also learn how to apply the techniques in choreographic sequences for dramatic effect.

Prerequisite(s): THTR 102

THTR 260 - Intermediate Dance Practicum

Credits: 3

Provides a practical background in the fundamentals of a variety of traditional dance forms. The techniques and discipline of dance will be explored and utilized, culminating in an examination that tests the comprehension, comportment, and the flexibility of the student.

Prerequisite(s): THTR 150 or by permission of instructor.

Repeatability: May be repeated once.

THTR 307 - Period Styles for the Theatre

Credits: 3

Emphasizing research methods employed by theatre designers, this course examines the styles and aesthetics of art, architecture, fashion and the decorative arts from ancient Egypt through the first half of the 20th century. Emphasis will be placed on periods and countries that have been most influential on Western theatrical practices and design.

Prerequisite(s): THTR 102.

THTR 320 - Theatre Laboratory II

Credits: 1

Assigned in one-hour units, two hours required for the major. Designed to provide credit for work completed on USI Theatre productions. This is the final rotation of the theatre lab. Students will be assigned placement in a technical area their first semester and permitted to select an area for their second. A minimum of 42 contact hours of work is required.

Prerequisite(s): Consent of director or production area coordinator.

Term(s) Offered: Fall, Spring

THTR 326 - Theatre Graphics II

Credits: 3

This course continues training in computer-assisted design and image-editing software programs commonly employed in theatrical design.

Prerequisite(s): THTR 228.

THTR 327 - Scene Design

Credits: 3

Study of the elements and principles of scenic design. Students will explore the application of design concepts based upon an analysis of script and production parameters in order to produce complete packages of speculative work (research, plans, models, drawings, etc.).

Prerequisite(s): THTR 102 and THTR 224 .

THTR 337 - Costume Design

Credits: 3

A study of the elements and principles of costume design for the theatre. Students will develop skill in play analysis for costuming, basic rendering skills, and period research. The class will include an introduction to the various media used in communicating a costume design concept.

Prerequisite(s): THTR 102.

Term(s) Offered: Spring

THTR 346 - Lighting Programming

Credits: 3

Students explore conventional, automated, and video lighting through hands-on utilization of control consoles. They will further develop both their design skills and their understanding of automated lighting techniques through practical application.

Prerequisite(s): THTR 102.

THTR 347 - Lighting Design

Credits: 3

Advanced study and application of lighting design for theatre, opera, dance, and other theatrical genres. May also explore basic elements of television and film. Students will complete design projects that improve upon script analysis, research, rendering, color theory, drafting, and presentation skills. Beginning computer drafting and supplemental paperwork software applications to

be introduced. Students will be required to participate in at least three outside lighting labs correlating to the USI Theatre productions season.

Prerequisite(s): THTR 243.

Term(s) Offered: Spring

THTR 351 - Acting for the Modern Stage

Credits: 3

Study and practice of the acting techniques and methods used to create a character for the stage. Emphasis placed on the application of these theories in the development of monologues and scenes from major American plays.

Prerequisite(s): THTR 252 or permission of the instructor.

THTR 352 - Acting in Period Style

Credits: 3

Provides a background in period styles to the advanced student actor, examining the special considerations inherent in performing classical drama, beginning with Greek tragedies and continuing on through Elizabethan, Restoration, and other periods, including contemporary pieces of a special nature, such as epic, expressionist, and absurdist drama.

Prerequisite(s): THTR 351 or permission of instructor.

THTR 353 - Musical Theatre Performance I

Credits: 3

The student will explore and experience the nature of musical theatre and the unique performance demands required to create it at a proficient level. Emphasis will be placed on accessible vocal material from the standard musical theatre repertoire, including solos, duets, and company numbers. Students will present research on the genre's historical and stylistic eras.

Prerequisite(s): THTR 251.

THTR 354 - Musical Theatre Performance II

Credits: 3

The student will further explore and experience the nature of musical theatre and the unique performance demands required to create it at a proficient level. Emphasis will be placed on more challenging vocal material from the standard musical theatre repertoire, including solos, duets, and company numbers. Students will present research on the genre's historical and stylistic eras.

Prerequisite(s): THTR 251 and THTR 353.

THTR 360 - Practicum in Dance, Advanced Level

Credits: 3

This class will continue to develop the working techniques of movement within the dance disciplines of modern, classic ballet, tap and modern jazz and to show the application of these disciplines to the theatre. Students will develop choreography with other dancers, as well as learn rehearsal techniques for solo and group compositions.

Prerequisite(s): THTR 260 or consent of instructor.

Repeatability: Repeatable once for credit.

THTR 361 - Playwriting

Credits: 3

Students will participate in an intense study of dramaturgy and will write dramas of their own.

USI Core 39: Ways of Knowing-Creative and Aesthetic Expression.

Prerequisite(s): ENG 302 or THTR 102 or consent of the instructor.

Cross-Listed: Dual listing with ENG 361.

THTR 371 - History of Theatre I

Credits: 3

History of the theatre from pre-Grecian through Elizabethan time periods. Also touching on the Asian theatre. Concentration of the physical theatre, conventions in acting, directing, design.

Prerequisite(s): THTR 102 or permission of instructor.

THTR 372 - History of Theatre II

Credits: 3

History of the theatre from the French Renaissance through the present day. Concentration on the physical theatre, conventions in acting, directing, and design.

Prerequisite(s): THTR 102 or permission of instructor.

THTR 381 - Stage Management

Credits: 3

This course will look at the structure of theatre, the elements of production, the rehearsal and performance process, and the role and responsibilities of the stage manager in all of these aspects. Students learn the preparation of a promptbook, standard record-keeping, management etiquette, and union requirements.

Prerequisite(s): THTR 102.

THTR 400 - Independent Study in Theatre Arts

Credits: 1-3

This course is designed to provide an opportunity for upper division communications/theatre majors and minors to research subject areas in the field of theatre arts. A maximum of six hours may be taken; only three may be taken in any one semester. NOTE: Students who wish to take independent study courses in the theatre arts curriculum should be aware of the following points: 1) Only six hours of independent study may apply toward a major in Communications. 2) No more than three offerings of THTR 400 may be directed by the same instructor. 3) Students wishing to enroll in independent study courses must receive written permission from their instructors prior to registration.

Prerequisite(s): 21 hours of theatre arts, upper division status, and written consent of instructor.

Term(s) Offered: Fall, Spring, Summer

THTR 427 - Advanced Scene Design

Credits: 3

Individual development in scene design projects through intensive study of various styles. Detailed representation of design ideas in rendering and models required. Class includes practice and development in scene painting.

Prerequisite(s): THTR 102, THTR 224, and THTR 327.

THTR 432 - Advanced Stage Direction

Credits: 3

Continued study of directing techniques. Class will explore dramatic styles and diverse conceptualizations of classic and modern texts. Emphasis will be placed on the actor/director, and designer/director collaborative processes. Class will require the student to direct a one-act play.

THTR 437 - Advanced Costume Design

Credits: 3

Teaches students to further incorporate the principles of design with play analysis, and apply them toward creating a specific production of a play. This course enables the student to experiment with a variety of styles and rendering techniques, including computer rendering, and also to explore the unique challenges provided by various genres of costume design.

Prerequisite(s): THTR 337.

THTR 447 - Advanced Lighting Design

Credits: 3

Students are instructed in advanced lighting techniques as part of a comprehensive approach to lighting design. Emphasis is placed on aesthetics, script analysis in visual terms, visual research methods, theatrical style, and concept development. Practical application will include dramatic, musical, and dance pieces.

Prerequisite(s): THTR 347.

THTR 451 - Acting as a Business

Credits: 3

Acting as a Business teaches students about the various techniques, tools, and standards required to pursue a professional acting career. Through one-on-one work with the instructor, the student will learn the various auditioning techniques for theatre, film and television; the tools required to seek out and submit for audition opportunities; and the strategies used in finding and preparing strong audition material.

Prerequisite(s): Theatre Major/Minor and senior standing.

THTR 473 - History of World Drama I

Credits: 3

A broad study of dramatic literature from the Ancient World through 1600 AD as a basis for establishing a world view through theatrical and dramatic criticism.

Prerequisite(s): ENG 201 and junior standing, or consent of instructor.

Cross-Listed: Cross-listed as ENG 473.

Term(s) Offered: Fall

THTR 474 - History of World Drama II

Credits: 3

A broad study of dramatic literature from 1600 to the modern period as a basis for establishing a world view through theatrical and dramatic criticism.

Prerequisite(s): ENG 201 and junior standing, or consent of instructor.

Cross-Listed: Cross-listed as ENG 474.

Term(s) Offered: Spring

THTR 487 - Stage Directing

Credits: 3

An introduction to the principles of play directing. Class emphasizes text analysis, interpretation, picturization, and the various aspects involved in the production process. Class will include direction of extended scenes from full-length plays.

Prerequisite(s): THTR 102 and THTR 251, or consent of instructor.

THTR 490 - Repertory Theatre Internship

Credits: 3

This course is an intensive internship within the professional environment of the USI Theatre and New Harmony Theatre Repertory Project. Students will be assigned positions within a professional theatre season based upon their interests and experience. Assignments will be identified and outlined by contract and may be made in more than one area depending upon degree of supervisory responsibility assigned by the instructor. Internship hours assigned will range between 100 and 140, depending upon area and responsibility.

Prerequisite(s): THTR 101 or THTR 102 and consent of instructor.

Repeatability: This course is repeatable; up to six hours may be earned for Theatre-directed elective credit.

THTR 498 - Internship in Theatre

Credits: 3

Work experience in an approved professional theatre, shop, or enrichment center. The course provides for a minimum of 150 hours of supervised professional work, two written evaluations by the supervisor, two written self-evaluations, and a final review with a department faculty member.

Prerequisite(s): 21 hours in the major, upper-division status, and written consent of the instructor.

Grading: Grades are assigned as Pass or No Pass only.

Term(s) Offered: Fall, Spring, Summer

THTR 499 - Special Topics in Theatre Arts

Credits: 3

Topics will vary. Purpose of course is to cover topics which are not specific courses in the curriculum.

Prerequisite(s): consent of the instructor.

Repeatability: Repeatable with change in topic.

UNIV 101 - First Year Experience

Credits: 1

This course is an introduction to the University of Southern Indiana and the undergraduate experience with a specific focus on academic success, campus involvement and community engagement. Students will discuss issues of value and behavior in the college setting, discover what resources are available to them, and learn what it means to integrate themselves into the campus and surrounding communities.

USI Core 39: Foundations - First Year Experience.

UNIV 102 - Learning Communities Seminar II

Credits: 1

This course continues to provide the integrative component for the identified Freshman Interest Group linked courses. It provides opportunities for students to connect prior knowledge and experiences with new learning tasks and content in a shared learning experience. This course will focus on understanding the co-curriculum and self, career exploration, technological literacy, and improving the educational experiences of first-year students.

Prerequisite(s): UNIV 101.

UNIV 201 - Special Topics in Leadership

Credits: 3

This course provides an overview of the theory related to and skills necessary for the practice of effective leadership in teams and organizational settings. Leadership is explored as an integral component of a student's career and life plan.

Prerequisite(s): Consent of instructor.

WLC 155 - Cultural Awareness

Credits: 3

Practical study of citizenship and professionalism in the "global village" of the 21st century, emphasizing complexities of cultural, linguistic and social systems of nations and people, to promote communication among widely diverse constituencies at

home and abroad. Serves as preparation for study abroad and further work in international disciplines. (Course taught in English.)

USI Core 39: World Language and Culture-BS; Embedded Experience-Diversity.

Student Rights and Responsibilities: A Code of Student Behavior

Please visit the Dean Of Students Office website at :

<http://www.usi.edu/deanofstudents/code>

Higher education plays a vital role in developing future leaders by providing students with educational opportunities both in and outside the classroom. As an institution of higher education, the University of Southern Indiana is a learning community dedicated to excellence. All USI students are presented with rights, privileges, and opportunities by choosing to become a part of the USI community.

In order for USI community members to live and learn in harmony, they must assume responsibility for their actions and respect the rights of others. Students, faculty, staff, and alumni make a commitment to furthering the mission of the University of Southern Indiana.

The University of Southern Indiana expects and requires all of its students upon admission to the University to develop, adhere to, and maintain high standards of scholarship and conduct. The *Student Rights and Responsibilities: A Code of Student Behavior* is the guiding document for USI community standards and outlines all rights and responsibilities afforded to USI students.

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