

College of Arts and Sciences (COAS)

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Web site: www.iun.edu/coas

Telephone: (219) 980-6730

Overview

Mission

At the heart of IU Northwest is the College of Arts and Sciences. We provide undergraduate and graduate education in a broad range of arts and sciences disciplines that prepare students for rewarding careers of their choice. We also provide the academic coursework that are the foundation for success in majors across the university. The college is dedicated to helping our students develop the communication, reasoning, and analytic skills necessary to succeed in a rapidly changing world. The skills and content offered in the college are the core of what it means to be educated in the 21st Century. We invite all of our students to delve into the vast offerings of the College with the expectation that expanding your knowledge of the liberal arts and sciences will lead to better lives and more successful and fulfilling careers.

At the core of our programs, many unique to the region, are the analytical, cognitive, and expressive skills needed to assimilate and advance knowledge. An arts and sciences education focuses on an understanding of the human condition—past and present—and the world in which we live. It emphasizes a humanistic and aesthetic appreciation of cultural life as well as valuing of science and its methodology in which intellect, logical processes, ethical perspectives, and problem solving are vital. The strong research and creative activities of our faculty encourage students toward a life of learning and reflection.

Intrinsic to a liberal arts and sciences education is preparing graduates to appreciate, contribute to, and thrive in a diverse, culturally rich, technologically, and scientifically advanced society with a compelling history, a promising future, and a capacity for transformation. Through our teaching, research, creative arts, and professional and community services, we engage in the vitality of Northwest Indiana. An informed, educated population is not only democracy's strongest, best hope, it is also society's wisest investment. That, more than anything else, is the endeavor of the faculty and staff of the College of Arts and Sciences.

At present, the college consists of 14 departments offering baccalaureate degrees in the following areas: Actuarial Science, African American and African Diaspora Studies, Anthropology, Applied Science, Biology, Biochemistry,

Chemistry, Communication, Computer Information Systems, Economics, English, Fine Arts, French, General Studies, Geology, History, Informatics, Mathematics, Philosophy, Political Science, Psychology, Sociology, Spanish, and Theatre. Courses are offered in all those fields plus Astronomy, Canadian Studies, Comparative Literature, Computer Science, Geography, German, Journalism, Latino Studies, Linguistics, Music, Physics, Religious Studies, Telecommunications, and Women's and Gender Studies.

The College offers interdepartmental majors that lead to baccalaureate degrees in Graphic Design, Environmental Science, African American and African Diaspora Studies and Communication, African American and African Diaspora Studies and English, and Computer Information Systems and Mathematics as well.

In addition to undergraduate education leading to the bachelor's degree, which prepares students for citizenship as well as for professional training and graduate study, the programs of the College of Arts and Sciences provide students in the College of Health and Human Services, the School of Business and Economics and the School of Education with courses that are a foundation for those professional programs.

Postbaccalaureate certificates are offered in Computer Information Systems, Community Development and Urban Studies, and Race-Ethnic Studies to students who already hold a baccalaureate degree. The college offers a Master of Liberal Studies degree for students who hold a bachelors degree and wish to pursue a broad interdisciplinary program of study and a Master of Science in Clinical Counseling with a specialization in drug and alcohol counseling for students who are preparing themselves for a career in addictions treatment and a Master of Science in computer Information Systems for students pursuing for careers in information technology.

Contact Information

[College of Arts and Sciences](#)

IU Northwest
 Hawthorn Hall, Room 225
 3400 Broadway
 Gary, Indiana 46408
 (219) 980-6730

[Contact the College of Arts and Sciences](#) for additional contact information.

Accreditation

The undergraduate and graduate degree offerings of the College of Arts and Sciences are accredited by the Higher Learning Commission as an Academic Quality Improvement Program.

Policies & Procedures

Students in the College of Arts and Sciences are encouraged to familiarize themselves with "General Academic Regulations and Policies". See IU Northwest Bulletin Policies and Procedures

Distinctions & Opportunities

Scholastic Honor Society

Omicron Sigma Delta is a liberal arts scholastic honorary society based on the same criteria as those used by the prestigious national honorary scholastic society, Phi Beta Kappa. Candidates are selected from the college's juniors and seniors on the basis of high scholarship and good character.

Graduation with Distinction

Recognition for excellence in scholarship is awarded at graduation by identifying such students in three categories of distinction. These are, with their corresponding minimum overall grade point averages:

- Distinction (3.60)
- High distinction (3.75)
- Highest distinction (3.89)

The number of students so recognized will not exceed 10 percent of the graduating class in the college for that year. Students considered for this recognition must have completed at least 60 graded credit hours at Indiana University.

Career Information

Each department and its faculty members can advise students about graduate school and career opportunities. Information and advising regarding preprofessional programs is available in a separate section of the COAS bulletin.

Departments

Biology

Phone: (219) 980-6724

Webpage: <http://www.iun.edu/biology>

About the Department of Biology

Biology is the study of life. The Department of Biology at IU Northwest offers an interdisciplinary program in the life sciences leading to a Bachelor of Science degree, or a Bachelor of Arts degree. Students majoring in other subjects may also earn a Minor in Biology. Our undergraduate programs are designed to interface with the faculty's expertise in biomedical sciences, biotechnology, and environmental and ecological sciences. The programs are diverse, flexible, and designed to accommodate individuals who have a wide range of interests within the life sciences. Courses are available for students seeking preprofessional training in the medical sciences (premedical, pre dental, and allied health sciences), for those pursuing occupations in biotechnology, forensics, and the pharmaceutical industry, for students intending to continue with graduate studies, and for those interested in environment and conservation. We firmly believe that the training of an undergraduate student is enhanced by experience in the "discovery side" of the discipline. Thus, students are encouraged to participate in research with faculty mentors. Our faculty maintain research collaborations at research institutions within greater metropolitan area including the IU School of Medicine located across campus. This expands the opportunities for our students to engage in research projects with a broad spectrum of life scientists within and outside of Indiana University.

Each student majoring in biology is encouraged to acquire in-depth knowledge in related scientific disciplines or in other areas of study that use biology or contribute to biological methodologies. Biology students are thus encouraged to consider obtaining a minor in another area of study. The student's advisor will help plan such a program, which may be in disciplines in the College of Arts and Sciences or in other divisions of the university.

In addition to course work structured for the biology major, the Biology Department offers an array of classes designed for students majoring in other disciplines who are interested in certain areas of the life sciences.

The Department of Biology sponsors a chapter of Beta Beta Beta, the national biology honor society. Moreover, many of our students belong to student run organizations with faculty advisors such as the Biology Club and the PreProfessional Studies Club. These organizations foster friendships and community among students interested in the biological sciences and other sciences, and offer outside avenues for learning and gaining experience related to their formal training within the department.

Major in Biology - B.S.

The Bachelor of Science in Biology degree provides students with a rigorous general background in the field of biology to prepare for graduate or professional school or science-related jobs requiring bachelor's-level training. The requirements in chemistry, mathematics, and physics have been selected to optimize the student's future opportunities. The degree provides a solid foundation in fundamental biology and cognate areas.

Requirements

Students must take the following sequence of classes in the major discipline (Group Va courses):

- BIOL-L 101 (4 cr.)
- BIOL-L 102 (4 cr.) prerequisite* of BIOL-L 101
- BIOL-L 211 (3 cr.) prerequisite* of BIOL-L 101
- BIOL-L 311 (4 cr.) prerequisite* of BIOL-L 211

*=passing with a grade of C- or better

- At least 25 additional credit hours in Biology upper-level (300-400) courses must be completed.
- Students must complete at least four additional upper level labs.
- BIOL-L 403 (Senior Seminar, 1cr.) must be completed during the senior year.
- A course such as BIOL-L 331, BIOL-L 420, BIOL-Z 466 or BIOL-L 473 will satisfy the capstone requirement.

A minimum of one course must be taken from the three areas listed below (each with example courses):

- Molecular and Cellular Biology
 - BIOL-L 312 (3-4 cr.)
 - BIOL-M 310 (3-4 cr.)
 - BIOL-L 321 (3 cr.)
 - BIOL-L 323 (3 cr.)
- Genetics, Development, Evolutionary Biology
 - BIOL-L 318 (3 cr.)
 - BIOL-L 331 (3 cr.)

- BIOL-Z 317 (3 cr.)
- Ecology, Physiology, and Organismal Biology
 - BIOL-B 351 (3 cr.)
 - BIOL-B 352 (2 cr.)
 - BIOL-Z 406 (3-4 cr.)
 - BIOL-L 473 (3-4 cr.)
 - PHSL-P 416 (3 cr.)
 - PHSL-P 461 (4 cr.)
 - PHSL-P 431 (4 cr.)

Students should consult with the Biology faculty for additional information concerning prerequisites and course content.

In addition to the required biology courses, the student must complete the following courses outside the major discipline (Group Vb courses):

- The following courses are required:
 - CHEM-C 105 (3 cr.)
 - CHEM-C 125 (2 cr.)
 - CHEM-C 106 (3 cr.)
 - CHEM-C 126 (2 cr.)
 - CHEM-C 341 - Organic Chemistry I (3 cr.)
 - CHEM-C 343 - Organic Chemistry I lab (2 cr.)
 - CHEM-C 342 - Organic Chemistry II (3 cr.)
 - Select one of the following
 - CHEM-C344 - Organic Chemistry II lab (2 cr.)
 - BIOL-L 323 - Molecular Biology lab (3 cr.)
 - Select one of the following series of physics classes
 - PHYS-P 201 (5 cr.) and PHYS-P 202 (5 cr.)
 - PHYS-P 221 (5 cr.) and PHYS-P 222 (5 cr.)
 - Math-M215 - Calculus (5 cr.)
 - PSY-K 300 - Statistics (3 cr.)
 - select one of the following computer science classes:
 - CSCI-A 106 (3 cr.)
 - CSCI-C 106 (3 cr.)
 - CSCI-A 201 (4 cr.)
 - CSCI-C 201 (4 cr.)

In addition to the above courses, the student is responsible for fulfilling the general requirements of the Bachelor of Science degree as established by the College of Arts and Sciences.

Major in Biology - B.A.

Major in Biology – B.A.

Requirements

Students must take the following sequence of classes in the major discipline (Group Va courses):

- BIOL-L 101 (4 cr.)
- BIOL-L 102 (4 cr.) prerequisite* of BIOL-L 101
- BIOL-L 211 (3 cr.) prerequisite* of BIOL-L 101
- BIOL-L 311 (4 cr.) prerequisite* of BIOL-L 211

*=passing with a grade of C- or better

- At least 18 additional credit hours in Biology upper-level (300-400) courses must be completed.
- Students must complete at least two additional upper level labs.
- A course such as BIOL-L 331, BIOL-L 420, BIOL-Z 466 or BIOL-L 473 will satisfy the capstone requirement.

A minimum of one course must be taken from the three areas listed below (each with example courses):

- Molecular and Cellular Biology
 - BIOL-L 312 (3-4 cr.)
 - BIOL-M 310 (3-4 cr.)
 - BIOL-L 321 (3 cr.)
 - BIOL-L 323 (3 cr.)
- Genetics, Development, Evolutionary Biology
 - BIOL-L 318 (3 cr.)
 - BIOL-L 331 (3 cr.)
 - BIOL-Z 317 (3 cr.)
- Ecology, Physiology, and Organismal Biology
 - BIOL-B 351 (3 cr.)
 - BIOL-B 352 (2 cr.)
 - BIOL-Z 406 (3-4 cr.)
 - BIOL-L 473 (3-4 cr.)
 - PHSL-P 416 (3 cr.)
 - PHSL-P 461 (4 cr.)
 - PHSL-P 431 (4 cr.)

Students should consult with the department for additional information concerning prerequisites and course content.

- The following general chemistry courses outside the major discipline (Group Vb courses) are required and should be taken concurrently with BIOL-L 101 and BIOL-L 102
 - CHEM-C 105 (3 cr.)
 - CHEM-C 125 (2 cr.)
 - CHEM-C 106 (3 cr.)
 - CHEM-C 126 (2 cr.)

Students planning on applying to graduate or professional school should take:

- chemistry through CHEM-C 344
- PHYS-P 201
- PHYS-P 202
- mathematics at least through MATH-M 215
- statistics (PSY-K 300 or equivalent)
- computer language / application course.

In addition to the above courses, the student is responsible for fulfilling the general requirements of the Bachelor of Arts degree as established by the College of Arts and Sciences.

Minor in Biology

A biology minor requires a minimum of 18 credit hours in biology. Students must complete one 100 level biology course (e.g. L100 or P130) and at least four (4) additional biology classes at the 200 level and above. Alternatively, a minor can be earned by taking L101, L102, and at least

three (3) additional biology classes at the 200 level and above.

Special Programs for Preprofessional Students in the Health Sciences

Students interested in a preprofessional curriculum for medicine, dentistry, podiatry, optometry, or other health fields should refer to the preprofessional curriculum section in this bulletin. No specific major or degree program is required for preprofessional students. Students desiring a B.S. or B.A. biology degree should consult with the biology faculty and advisor to plan their course work. Most professional schools prefer students who will have completed a B.S. or B.A. degree before actually beginning the professional curriculum.

Options for Special Credit

Course credit may be awarded for high scores on the Advanced Placement and College Entrance Examination Board tests. Please see the Admissions Office and/or the Biology Department for more information.

Courses for Nonmajors

The BIOL-L 100 course offers the nonmajor an opportunity to examine the fundamental principles of biology or to prepare for more advanced courses should the student decide to continue in biology.

The 200-400 level nonmajor courses are designed to acquaint students possessing minimal science background with the basic principles underlying the modern biological sciences.

In addition to BIOL-L 100, the following courses can be taken by nonmajors: BIOL-L 104, PHSL-P 130, BIOL-L 200, BIOL-M 200, BIOL-L 215, PHSL-P 261, PHSL-P 262, PHSL-P 263, BIOL-L 300, BIOL-L 302, BIOL-L 316, BIOL-L 363, BIOL-L 378, BIOL-L 490 and BIOL-L 499

Chemistry, Biochemistry, Physics, and Astronomy

Phone: (219) 980-6740

: <http://www.iun.edu/chemistry/>

Chemistry and Biochemistry

The chemistry major provides an excellent academic background for graduate school; for a career as an industrial chemist; for acceptance into medical, dental, veterinary or other professional health-related programs; and for positions in chemical instrument sales or chemically related administrative positions. *Minimum Degree:* Regardless of which degree track students seek, they are encouraged to take as many chemistry courses as possible above the minimum to enhance their professional skills and employment opportunities.

About the B.S. Chemistry or Biochemistry Degree

The American Chemical Society certifies the IU Northwest ACS Chemistry degree. Graduates of this program will be recommended to the American Chemical Society as having fulfilled requirements of the ACS Committee on Professional Training. The B.S. degree emphasizes science and mathematics courses as major requirements outside of the major required core. An honors sequence is available for the B.S. degree. The Honors Track requires

(1) Research, (2) Minimum Chemistry GPA 3.4 and (3) a senior thesis. Consult the department for further detail.

Degree Departmental Requirements

Bachelor of Science

Course	Credits	Chemistry	Biochemistry
CHEM-C 105	3	•	•
CHEM-C 106	3	•	•
CHEM-C 125	2	•	•
CHEM-C 126	2	•	•
CHEM-C 301	1	•	•
CHEM-C 310	5	•	•
CHEM-C 341	3	•	•
CHEM-C 342	3	•	•
CHEM-C 343	2	•	•
CHEM-C 344	2	•	•
CHEM-C 361	3	•	•
CHEM-C 362	3	•	•
CHEM-C 363	2	•	•
CHEM-C 409	2	•	•
CHEM-C 410	4	•	•
CHEM-C 430	3	•	•
CHEM-C 481	3	•	•
CHEM-C 484	3	•	•
CHEM-C 485	3	•	•
CHEM-C 487	2	•	•
CHEMISTRY CREDITS		46	34
PHYS-P 221	5	•	•
PHYS-P 222	5	•	•
PHYSICS CREDITS		10	10
MATH-M 215	5	•	•
MATH-M 216	5	•	•
MATH-M 311	4	•	•
MATH CREDITS		14	10
BIOL-L 101	4	•	•
BIOL-L 102	4	•	•
BIOL-L 211	3	•	•
BIOL-L 312	3	•	•
BIOL-L 323	3	•	•
BIOLOGY CREDITS		4	17
ADDITIONAL STEM CREDITS		13	10

PHYS-P 301 can, on alternate years, be substituted for CHEM-C 362. See department advisor for which courses satisfy STEM credits.

About the B.A. Chemistry or Biochemistry Degree

The B.A. degree is intended for students who desire a degree in chemistry or biochemistry but have an interest in a wider variety of courses in the humanities and social sciences as well as a foreign language.

Degree Departmental Requirements

Bachelor of Arts

Course	Credits	Chemistry	Biochemistry
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CHEM-C 105	3	•	•
CHEM-C 106	3	•	•
CHEM-C 125	2	•	•
CHEM-C 126	2	•	•
CHEM-C 301	1	•	•
CHEM-C 310	5	•	
CHEM-C 341	3	•	•
CHEM-C 342	3	•	•
CHEM-C 343	2	•	•
CHEM-C 344	2		•
CHEM-C 361	3	•	
CHEM-C 362	3		
CHEM-C 363	2	•	
CHEM-C 409	2		
CHEM-C 410	4		
CHEM-C 430	3	•	
CHEM-C 481	3		
CHEM-C 484	3		•
CHEM-C 485	3		•
CHEM-C 487	2		•
CHEMISTRY CREDITS	32		29
PHYS-P 221	5	•	•
PHYS-P 222	5	•	
PHYSICS CREDITS	10		5
MATH-M 215	5	•	•
MATH-M 216	5	•	
MATH-M 311	4		
MATH CREDITS	10		5
BIOL-L 101	4		•
BIOL-L 102	4		
BIOL-L 211	3		•
BIOL-L 312	3		
BIOL-L 323	3		
BIOLOGY CREDITS	0		7
ADDITIONAL STEM	0		6

At least one course must be chosen from

- CHEM-C 344
- CHEM-C 362
- CHEM-C 410
- CHEM-C 484

Chemistry and Physics courses for STEM credit.

- CHEM-C 303
- CHEM-C 335
- CHEM-C 431
- CHEM-C 441
- PHYS-P 301
- PHYS-P 309
- PHYS-P 331

Advanced science and mathematics courses can also be used for STEM credit. Please consult the department advisor for details.

Minor in Chemistry

The Minor in Chemistry is available to any student who has passed the following courses with a grade of C- (minus) or better.

Requirements (19 credit hours)

- CHEM-C 105
- CHEM-C 125
- CHEM-C 106
- CHEM-C 126
- CHEM-C 341

plus two additional 300 or 400 level chemistry courses of 3 credit hours or more.

Chemistry Courses for Non Majors

These courses can be used to fulfill science general education requirements or requirements in health fields such as nursing, dental hygiene, etc. Students in the health fields should contact their program for verification. CHEM-C 101 and CHEM-C 121 are excellent preparatory in courses in chemistry for students majoring in the sciences.

- CHEM-C 100
- CHEM-C 101
- CHEM-C 102
- CHEM-C 110
- CHEM-C 120
- CHEM-C 121
- CHEM-C 122

Courses for ACS Degree (B.S. or B.A). Degree

Suggested sequence of required science and mathematics courses for the BS degree in Chemistry or Biochemistry. STEM electives are not shown on this table but course details can be found in the degree descriptions for the BS(BA) degrees in Chemistry/Biochemistry. A similar course sequence for the BA degree in Chemistry or Biochemistry can be found on the department website. It is essential for the student obtain academic advising from the department at the beginning and middle of every academic year

Course	Chemistry	Biochemistry
CHEM-C 105	FR	FR
CHEM-C 106	FR	FR
CHEM-C 125	FR	FR
CHEM-C 126	FR	FR
BIOL-L 101	SO	FR
BIOL-L 102		FR
MATH-M 215	FR	SO
MATH-M 216	FR	SO
CHEM-C 341	SO	SO
CHEM-C 342	SO	SO
CHEM-C 343	SO	SO
CHEM-C 344	SO	SO
BIOL-L 211		SO
MATH-M 311	SO	
PHYS-P 221	SO	JR
PHYS-P 222	SO	JR
CHEM-C 361	JR	

CHEM-C 362	JR		
CHEM-C 363	JR		
CHEM-C 484	JR	JR	
CHEM-C 409	JR	JR	
CHEM-C 410	JR		
CHEM-C 310	SR		
CHEM-C 430	SR		
CHEM-C 485		JR	
CHEM-C 487		JR	
CHEM-C 481		SR	
CHEM-C 301	SR		
BIOL-L 312		SR	
BIOL-L 323		SR	

It is important to get advising throughout your academic career.

Physics

Minor in Physics

Requirements (16 credit hours).

Two sequences are available to the student: calculus and non-calculus. Students seeking the physics minor are encouraged to discuss their course schedule with the department.

Course	Credit	Calculus	Algebra
PHYS-P 201	5		•
PHYS-P 202	5		•
PHYS-P 221	5	•	
PHYS-P 222	5	•	
PHYS-P 301	3	•	•
PHYS-P 309	2	•	•
PHYS-P 331`	3		
PHYS-P 406	1 or 2	•	•
Credits		16 or 17	16 or 17

See department advisor for other courses that might apply to the physics minor.

Physics and Astronomy Courses for Non-Majors

The following courses are intended for students not majoring in the sciences. They assume little or no background in science or mathematics. PHYS-p 101 can serve as an excellent preparatory course for PHYS-p 201 or PHYS-P 221. All courses listed can be used to satisfy divisional distribution requirements as well as prepare students for 200 level general physics.

- PHYS-P 101
- AST-A 100
- AST-A 105
- AST-A 109
- AST-A 200

Interdepartmental Major in Environmental Science - B.S.

The Interdepartmental major involving Biology, Chemistry, and Geology in Environmental Science provides rigorous interdisciplinary background in the natural science segment of the environmental sciences, combined with a significant background in the allied disciplines of physics

and mathematics, and coursework in environmental affairs. Please see Geosciences for further details.

Communication

Phone: 219-980-6781

Website: <http://www.iun.edu/communication/>

About the Department of Communication

The communication program provides students with an opportunity to investigate communication processes as they occur within and among individuals, groups, organizations, and societies. Students analyze the human communication process, develop communication skills, and learn how to facilitate the communication of others.

Communication is one of the core national areas and IUN recognizes this need by requiring and/or providing the basic SPCH-S121 Public Speaking course across campus curriculums. For purposes of organization and utility, courses in speech, communication, public relations, journalism, and telecommunications have been combined into a single administrative unit within the department.

The major in communication provides the student with a broad-ranged understanding of human communication processes and the ability to apply basic principles, methods, and findings of human communication behavior and research in a variety of settings. Student organizations sponsored include Indiana University Northwest Communication Association-IUNCA (communication), Public Relations Student Society of America-PRSSA (national affiliation), and WIUN (radio programming/production). The major serves as a foundation for professional fields such as nonprofit and profit public relations, personnel, sales, and training as well as providing excellent preparation for graduate study in communication, law, the ministry, public administration, public relations, and business.

Communication (COMM), Public Relations (COMM-J), Journalism (JOUR), Speech (SPCH), and Telecommunications (TEL) courses are alpha clustered listed within separate emphasis sections.

Major in Communication

Requirements

1. A minimum of 30 credit hours, with grades of C- or higher, in courses labeled SPCH, COMM, JOUR, or TEL.
2. As part of the 30 credit hours, students must take SPCH-S 122, SPCH-S 424, SPCH-S 400 (must have 21 credit hours completed in the major before taking capstone course), Tel-C 200 and one of the following: COMM-J 321, SPCH-S 405, COMM-J 429, or SPCH-S 450.
3. Seniors completing 21 credit hours in the major must take SPCH-S 400 (the capstone course).
4. Communication majors must take a minimum of two courses designated as intensive writing courses. S424, required of all majors, is one designated intensive writing course. The Department of Communication offers a choice for the second intensive writing course: (S405, J429 or S450).
5. A minimum of 15 credit hours must be taken at the 300-400 level.

6. Communication majors are required to augment their academic program in communication with a minor (a minimum of 15 credit hours) in another discipline. The student selects the minor area in consultation with a faculty advisor.

Most of the courses fall into one of three emphasis areas.

A minimum of 12 credit hours in one area, beyond the required courses, constitutes an emphasis in that area. The emphasis areas are as follows:

Emphasis Areas for Communication Majors

Cultural & Relational Communication

- COMM-J 219 Introduction to Public Relations (3 cr.)
- COMM-M 460 Culture and Mass Communication (3 cr.)
- SPCH-S 122 Interpersonal Communication (3 cr.)
- SPCH-S 322 Advanced Interpersonal Communication (3 cr.)
- SPCH-S 398 Independent Study in Speech Communication (3 cr.)
- SPCH-S 400 Senior Seminar in Speech (3 cr.) *Must have completed 21 hours in the major*
- SPCH-S 405 Human Communication Theory (3 cr.)
- SPCH-S 424 Empirical Research Methods in Speech Communication (3 cr.)
- SPCH-S 450 Gender and Communication (3 cr.)
- SPCH-S 490 Profession Practice Internship (3 cr.)
- TEL-C 200 Introduction to Mass Communication (3 cr.)

Business Communication and Public Relations

- COMM-J 219 Introduction to Public Relations (3 cr.)
- COMM-J321 Advanced Public Relations (3 cr.)
- COMM-J429 Public Relations Campaigns (3 cr.) *Intensive Writing course*
- JOUR-C 327 Writing for Publication (3 cr.)
- JOUR-J 200 Writing for Mass Media (3 cr.)
- SPCH-S 223 Business and Professional Speaking (3 cr.)
- SPCH-S 336 Current Topics in Communication: Introduction to Public Relations - Public Relations Internet Resources: Impact of Social Media (3 cr.)
- SPCH-S 398 Independent Study in Speech Communication (3 cr.)
- SPCH-S 400 Senior Seminar in Speech (3 cr.) *Must have completed 21 hours in major*
- SPCH-S 405 Human Communication Theory (3 cr.)
- SPCH-S 424 Empirical Research Methods in Speech Communication (3 cr.)
- SPCH-S 450 Gender and Communication (3 cr.)
- SPCH-S 490 Profession Practice Internship (3 cr.)
- TEL-C 200 Introduction to Mass Communication (3 cr.)

New Media Studies and Mass Communication

- COMM-J 219 Introduction to Public Relations (3 cr.)
- COMM-C 340 Practicum in Media Production (3 cr.)
- COMM-C 351 TV Production I (3 cr.)
- JOUR-J 200 Writing for Mass Media (3 cr.)
- SPCH-S 398 Independent Study in Speech Communication (3 cr.)
- SPCH-S 400 Senior Seminar in Speech (3 cr.) *Must have completed 21 hours in the major*

- SPCH-S 424 Empirical Research Methods in Speech Communication (3 cr.)
- SPCH-S 450 Gender and Communication (3 cr.)
- SPCH-S 490 Profession Practice Internship (3 cr.)
- TEL-C 200 Introduction to Mass Communication (3 cr.)
- TEL-R 204 Foundations of Telecommunications (3 cr.)
- TEL-R 308 Radio Production and Directing (3 cr.)

Certification in Public Relations

Candidates working toward the Public Relations emphasis with the intent of becoming certified must have a 2.5 overall and 3.0 in the major. Certification requires the following specific public relations courses: COMM-J 219, COMM-J 321, COMM-J 429, SPCH-S 336 (current topics—PR on the Internet & Social Media), SPCH-S398 (independent study covering specific certification requirements), and SPCH-S 490 (public relations internship). Other required courses include SPCH-S 223, Tel-C 200, SPCH-S 424, SPCH-S 400, and one of the following: SPCH-S 405 or SPCH-S 450. Membership in the Public Relations Student Society of America (PRSSA) is required. There is an additional fee to register for the national certification exam sponsored by the Universal Accreditation Board.

Degree Attainment Meets Diverse Scheduling Needs

The Department of Communication is committed to making the communication major available to part-time and working students. Multiple courses are offered in the evening and during the summer to meet diverse scheduling needs. Communication majors must also complete the general education requirements for the Bachelor of Arts degree in the College of Arts and Sciences as well as general university requirements.

Internships

Internships are available for communication majors; required for the public relations emphasis, if meeting standards. SPCH-S 490 requirements include minimums of junior or senior standing, 21 credit hours of completed communication courses, a 3.0 grade point average in the major, an overall 2.5 grade point average (or higher), faculty supervision, and departmental approval. There are also practicum and independent study courses such as COMM-C 340 and SPCH-S398.

Interdepartmental Major in Afro-American Studies and Communication

The Departments of Communication and Minority Studies offer a thematically integrated major in Afro-American and Communication Studies. This interdepartmental major is designed for students who wish to combine substantial Afro-American studies with their work in the communication major. (Details available under the "Department of Minority Studies" section of this bulletin.)

Minor in Communication

Requirements

- SPCH-S 121 (3 cr.)
- SPCH-S 122 (3 cr.)
- SPCH-S 223 (3 cr.)

- Select a minimum of 6 credit hours at the 300-400 level

With careful planning, it is possible for students to eventually earn a minor through successfully completing required courses offered during a combination of evenings, summer sessions, and weekends.

Computer Information Systems

Phone: 219-980-6638

Website: <http://www.iun.edu/cis/>

B.S. in Computer Information Systems (CIS)

Requirements

Group Va Major—Computer Information Systems Core (45 cr.)

- CSCI-C 106 (3 cr.)
- CSCI-C 150 (3 cr.)
- CSCI-A 106 (3 cr.)
- CSCI-A 247 (3 cr.)
- CSCI-A 285 (3 cr.)

Select one of the following programming options:

- option A
 - CSCI-A 201 (4 cr.)
 - CSCI-A 302 (4 cr.)
- option B
 - CSCI-C 201 (4 cr.)
 - CSCI-C 307 (3 cr.)
- option C
 - CSCI-A 210 (4 cr.)
 - CSCI-A 346 (3 cr.)

All of the following:

- CSCI-C 330 (3 cr.)
- CSCI-C 430 (3 cr.)
- CSCI-C 442 (3 cr.) or INFO-I 421 (3 cr.)
- INFO-I 402 (3 cr.)

Select one of the following for the capstone requirement:

- CSCI-Y 398 (1-6 cr.)
- CSCI-C 390 (1-6 cr.)

CIS Electives to complete 45 credit hours. (See Department for list of electives.)

Group Vb

- Complete ENG-W231, MATH-M118, and PSY-K 300 (C- or better is required)

Microcomputer Applications Proficiency Test

- A microcomputer applications proficiency test allows students to test out of CSCI-A 106 Introduction to Computing (3 cr.). The test consists of online and written modules that measure the student's ability to perform various tasks upon actual computer files. Achieving a total minimum grade of 70 percent would allow a student to test out of CSCI-A 106. However, in order to receive credit hours for the course, a student must satisfactorily complete either CSCI-A 285 or CSCI-A 213 with a C (2.0) or higher. Such a student will be eligible for 3 credit hours of special credit with a grade of S. It is the responsibility

of the student to request that CIS forward this information to his or her division.

- Each module will be graded separately. Achieving a minimum grade of 70 percent for a module would allow a student to test out of that particular module. CIS provides a method for students to receive instruction only in the areas where placement scores indicate that they are deficient by teaching three 1 credit hour courses taught concurrently with CSCI-A 106: CSCI-A 103 (word processing), CSCI-A 104 (spreadsheets), and CSCI-A 105 (relational database).

Group VI: Minor

- Students must select a minor in any area. (A business, SPEA, or Health Information Management minor is very marketable with the computer information systems degree.)

Electives and Internship

- Each student will be required to gain sufficient elective or internship credit to meet the minimum 120 credit hour requirement.
- A maximum of 6 credit hours may be awarded for successful completion of an internship. Credit not given for both COAS-W 398 and CSCI-Y 398 in excess of 6 credit hours. The CSCI-Y 398 Internship is considered a capstone course. While internships are opportunities to learn new skills, CIS interns are often hired based on their cumulative knowledge and ability to provide employers with needed skills.
- CIS Internship credit is normally awarded 1 credit hour a semester.
- Consult the department chairperson for specific details concerning registration requirements, and check with Career Services for internship opportunities.

In addition to the preceding courses the student is responsible for fulfilling the general requirements of the College of Arts and Sciences.

B.S. in Informatics (INFO)

Requirements

Students must complete the general requirements of the College of Arts and Sciences. This includes at least 120 total credit hours, at least 36 credit hours at the 300 and 400 level, and at least 105 credit hours of COAS courses.

Group Va—Major (55-58 cr.)

The major requirements are organized into three categories:

Informatics Core (34 cr.)
 Informatics Electives (6 cr.)
 Tract Area (15-18 cr.)

Informatics Core (34 credit hours) Required (22 cr.)

- INFO-I 101 Introduction to Informatics (4 cr.)
- INFO-I 201 Mathematical Foundations of Informatics (4 cr.)
- INFO-I 202 Social Informatics (3 cr.)
- INFO-I 210 Information Infrastructure I (4 cr.)
- INFO-I 211 Information Infrastructure II (4 cr.)

- INFO-I 308 Information Representation (3 cr.)
- Select two of the following (6 cr.)
 - INFO-I 300 Human-Computer Interaction (3 cr.)
 - INFO-I 303 Organizational Informatics (3 cr.)
 - INFO-I 310 Multimedia Arts and Technology (3 cr.)
 - INFO-I 320 Distributed Systems and Collaborative Computing (3 cr.)
- Select one of the following three capstone options (6 cr.)
 - INFO-I 494 and INFO-I 495 Design and Development of an Information System I/II (3 - 3 cr.)
 - INFO-I 492 and INFO-I 493 Senior Thesis I/II (3 & 3 cr.)
 - INFO-I 491 Capstone Project Internship (1 cr. may be repeated up to 6 cr.)

Total (34 cr.)

Electives (6 cr.)

Tract Area (15-18 credit hours)—Select one Tract Area

Please see the individual departments for specific information on the Tract Area.

Group Vb

Complete the following courses (C- or better required):

- ENG-W 231
- MATH-M 118 or MATH-M 119
- PSY-K 300

In addition to the preceding courses the student is responsible for fulfilling the general requirements of the College of Arts and Sciences.

Interdepartmental Major: CIS and Fine Arts

Bachelor of Science in Computer-based Graphic Arts

Computer-based graphic artists are sought-after in the job market. The students who graduate with this degree will have a strong background in artistic (fine arts) and computer (CIS) skills. Computer-based graphic arts are widely used tools in business, industry, and the arts.

The student will have two official advisors—one in the Department of Fine Arts and one in Computer Information Systems—who will help plan the course of study in detail and with frequent consultations.

Requirements in Department of Fine Arts Va (25 cr.)

- Select one of the following:
 - FINA-F 100 Fundamental Studio-Drawing (3 cr.)
 - FINA-F 102 Fundamental Studio-2D (3 cr.)
- FINA-S 250 Introduction to Design Practice (3 cr.)
- FINA-S 351 Typography (3 cr.)
- FINA-S 352 Production for Graphic Design (3 cr.)
- FINA-S 353 Graphic Design IV (3 cr.)
- FINA-S 413 Typography (2 cr.)
- FINA-S 414 Layout and Design (2 cr.)
- FINA-S 415 Package Design (2 cr.)

- FINA-S 451 Graphic Design Problem Solving (3 cr.)
- FINA-S 497 Capstone - Independent Study in Fine Arts (1-3 cr.)

Requirements in Department of Fine Arts Vb (8 cr.)

- 3 credit hours in the FINA-A100 series (history of art)
- 3 credit hours of 300 or 400 level art history
- FINA-A435 CAPSTONE Art Theory (2 cr.)

Requirements in Computer Information Systems (18 cr.)

- CSCI-A 106 Introduction to Computing (3 cr.)
- CSCI-A 251 Introduction to Digital Imaging Application (3 cr.)
- CSCI-A 348 Mastering the World Wide Web (3 cr.)
- INFO-N 248 Design Principles in Web Design (3 cr.)
- INFO-N 215 Online Document Development (3 cr.)
- Select one of the following:
 - CSCI-A 340 An Introduction to Web Programming (3 cr.)
 - or INFO-I 310 Multimedia Arts and Technology (3 cr.)
 - or INFO-I 400 Topics in Informatics (3 cr.)
 - or CSCI-C 390 Individual Programming Lab (3 cr.)

Total (51 cr.)

For Bachelor of Science degrees, all students must complete the group VI minor.

In addition to the preceding courses the students are responsible for fulfilling the general requirements of the College of Arts and Sciences.

There is a Bachelor of Arts version of this inter-departmental degree. See the Fine Arts Department section for details. schools/coas/departments/fine-arts/major-cis-arts

Interdepartmental Major: CIS and Mathematics

Bachelor of Science in Simulation/Modeling Analysis

The students who graduate with this degree will have a strong background in theoretical (mathematics) and practical (CIS) skills. Modeling and computer simulation are widely used tools in business, industry, and research. Computer simulation allows an investigator to test proposed alterations to existing systems as well as proposed designs for entirely new systems.

Work in this area requires strong mathematical, statistical, and computer skills. This program should appeal to students interested in mathematics, computers, business, and the sciences.

The student will have two official advisors—one in Mathematics and one in Computer Information Systems—who will help plan the course of study in detail.

The general degree requirements are the same as for the Bachelor of Science in Computer Information Systems, except that the Group V major requirements are replaced by the following:

Group V Interdepartmental Major Requirements (43-45 cr.)

Department of Mathematics (22-24 cr.)

- MATH-M 215 (5 cr.)
- MATH-M 216 (5 cr.)
- MATH-M 301 (3 cr.)
- MATH-M 360 (3 cr.)
- MATH-M 447 (3 cr.)
- MATH-M 448 (3 cr.)

Total (22-24 cr.)

Computer Information Systems (21-23 cr.)

- CSCI-C 106 (3 cr.)
- CSCI-C 150 (3 cr.)
- Select one of the following
 - CSCI-C 201 (4 cr.) and CSCI-C 307 (3 cr.)
 - CSCI-A 201 (4 cr.) and CSCI-A 302 (4 cr.)
- CIS or Informatics elective @ 300 level or above (3-4 cr.)
- CSCI-C 410 (3 cr.)
- CSCI-C 390 (1-3 cr.)
 - Capstone course requirement
 - Select one of the following: CSCI-C 390 course (1-3 cr.) for which the student will write a complete project-thesis starting with a theoretical model of a problem and then writing a computer program solution in C++, Java, or other appropriate computer language. The possibility of internships (CSCI-Y 398) also exists because the degree is highly application-oriented. An especially rewarding situation would combine the internship and the capstone experience into a single project-thesis.

Total (21-23 cr.)

For Bachelor of Science degrees, all students must complete the Group VI minor.

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Minor in Computer Information Systems (CIS)

Requirements

- CSCI-C 106 (3 cr.)
- CSCI-A 106 (3 cr.)
- 200 to 400 level (9 cr.)
- Students must also complete general requirements of the College of Arts and Sciences.

Total (15 cr.)

Please see a CIS Department advisor for combinations of classes if you have a specific interest in a particular area.

Minor in Informatics

Requirements

Students wanting to minor in Informatics are required to take a minimum of 15 cr. hrs. including:

- INFO-I 101 Introduction to Informatics (4 cr.)

- additional INFO-I courses 200-400 level to total at least 11 cr. These courses should be chosen with the advise and consent of the Department of Computer Information Systems.

Total (15 cr.)

Postbaccalaureate Certificate in Computer Information Systems

A postbaccalaureate certificate in computer information systems is offered for students with baccalaureate degrees in another discipline who wish to complement their undergraduate education with course work similar to the requirement for a Bachelor of Science degree in computer information systems.

The postbaccalaureate certificate program enables the holder of a bachelor's degree with a major in another field to obtain formal recognition of training in the computer field. Students select one of five options after successfully meeting or completing the following prerequisites with a grade of C- or better: ENG-W 131 and ENG-W 231 and MATH-M 118.

[Student Consumer Information about this Program](#)

Requirements

- CSCI-C 106 (3 cr.)
- CSCI-A 106 (3 cr.)
- CSCI-C 150 (3 cr.)
- Select seven more courses with at least four of those courses taken at the 300 to 400 level.

Please see a CIS department advisor for combinations of classes if you have a specific interest in a particular area.

Microcomputer Applications Proficiency Test

- A microcomputer applications proficiency test allows students to test out of CSCI-A 106 Introduction to Computing (3 cr.). The test consists of online and written modules that measure the student's ability to perform various tasks upon actual computer files. Achieving a total minimum grade of 70 percent would allow a student to test out of CSCI-A 106. However, in order to receive credit hours for the course, a student must satisfactorily complete either CSCI-A 285 or CSCI-A 213 with a C (2.0) or higher. Such a student will be eligible for 3 credit hours of special credit with a grade of S. It is the responsibility of the student to request that CIS forward this information to his or her division.
- Each module will be graded separately. Achieving a minimum grade of 70 percent for a module would allow a student to test out of that particular module. CIS provides a method for students to receive instruction only in the areas where placement scores indicate that they are deficient by teaching three 1 credit hour courses taught concurrently with CSCI-A 106: CSCI-A 103 (word processing), CSCI-A 104 (spreadsheets), and CSCI-A 105 (relational database).

B.S. in Informatics (INFO) ONLINE

The BS in Informatics is jointly offered by six IU campuses: East, IUPUI, Kokomo, Northwest, South Bend,

and Southeast. You will be assigned to a “home” campus, or campus of enrollment, but you can take online classes from any of these campuses to increase your options and shorten your time to degree. Your home campus will apply the credits you earn toward your BS.

When you have successfully completed all degree requirements, your home campus will award your Indiana University diploma. The placement office on your home campus will help you find appropriate employment.

Requirements

1. A minimum of 120 credit hours are required to complete the degree requirements
2. Students must also complete the general requirements of the College of Arts and Sciences (please see department for specific CIS requirements)

General Education Requirements (39-49 cr.)

The general education requirements for Bachelor of Science in Informatics will parallel those for a Bachelor of Science degree in the College of Arts and Sciences. Specifically, in addition to the general requirements for this baccalaureate degree, candidates for the Bachelor of Science degree in Informatics must complete the following group requirements.

Group Va

The major requirements are organized into three categories:
Informatics Core (39 cr.) Informatics Electives (9 cr.)
Cognate Area (15-18 cr.)

Informatics Core (39 credit hours)

The required courses in the joint Online Informatics degree are

- 1) INFO-C 100 Informatics Foundations (3 cr.)
- 2) INFO-C 112 Tools of Informatics: Programming and Databases (3 cr.)
- 3) INFO-C 201 Mathematical Foundations of Informatics (3 cr.)
- 4) INFO-C 203 Social Informatics (3 cr.)
- 5) INFO-C 210 Problem Solving and Programming 1 (3 cr.)
- 6) INFO-C 211 Problem Solving and Programming 2 (3 cr.)
- 7) INFO-C 300 Human Computer Interaction (3 cr.)
- 8) INFO-C 307 Data Representation and Organization (3 cr.)
- 9) INFO-C 399 Database Systems (3 cr.)
- 10) INFO-C 413 Web Design and Development (3 cr.)
- 11) INFO-C 450 System Design (3 cr.)
- 12) INFO-C 451 System Implementation (3 cr.)
- 13) INFO-C 452 Project Management (3 cr.)

Informatics Electives (6 credit hours, 300 level or higher)

Please see the CIS Department for a list of acceptable courses.

Total (9 cr.)

Cognate Area (15-18 credit hours)—Select one Cognate Area

Please see the individual departments for specific information on the Cognate Area.

Economics

The economics program is housed in the School of Business and Economics. Degrees in economics are awarded by the College of Arts and Sciences.

Major in Economics

Requirements

- ECON-E 103 (3 cr.)
- ECON-E 104 (3 cr.)
- ECON-E 270 (3 cr.)
- Select one of the following
 - ECON-E 321 (3 cr.)
 - BUS-G 300 (3 cr.)
 - equivalent course work
- Select one of the following
 - ECON-E 322 (3 cr.)
 - equivalent course work
- sufficient additional hours in Economics to total a minimum of 27 credit hours

Total (27 cr.)

Students may not count ECON-E 309 for credit toward the economics major. Students interested in majoring in economics should consult with a member of the economics faculty for additional information. Students planning to pursue a graduate degree in economics should plan a program of study, in consultation with a departmental advisor, which includes course work in economic theory and additional course work in mathematics and statistics. Students are responsible for completing the prerequisites for all economics courses and for fulfilling the general education requirements of the College of Arts and Sciences.

Minor in Economics

Requirements

- ECON-E 103 (3 cr.)
- ECON-E 104 (3 cr.)
- ECON-E 270 (3 cr.)
- Select one of the following
 - ECON-E 321 (3 cr.)
 - BUS-G 300 (3 cr.)
 - equivalent course work
- sufficient additional course work in economics to total a minimum of 18 credit hours

Total (18 cr.)

English

Phone: (219) 980-6565

Website: <http://www.iun.edu/english/>

Major in English - Bachelor of Arts (B.A.)

Requirements. There are two paths to a major in English. You should declare your path when you pick the major. For both tracks, majors complete 33 credits in English.

Literature Track Requirements (Va)

Select at least 11 courses (33 cr.) above the 100 level, of which at least five must be on the 300-400 level

- Select one of the following in Language and Linguistics: ENG-G2 05, ENG-G 207, or ENG-L 305 (3 cr.)
- Select two courses in British literature (6 cr.):
 - ENG-L 211 or one course from the sequence ENG-L 305 to ENG-L 315
 - ENG-L 212 or one course from the sequence ENG-L 326 to ENG-L 348
- Shakespeare: ENG-L 315 (3 cr.)
- Select one course from the American literature sequence ENG-L 350 to ENG-L 363 (3 cr.)
- Senior Seminar: ENG-L 440 (3 cr) (also fulfills capstone requirement)
- Select one of the following in Literature in a World Context: ENG-L 201, ENG-L 207, ENG-L 249, ENG-L 382, ENG-L 364, ENG-L 370 (3 cr.)
- Students must submit a Senior Portfolio. Requirements for this are available in the English Department.
- Students must also complete the general requirements of the College of Arts and Sciences.

Total (33 cr.)

Writing Track Requirements (Va)

Select at least 11 courses (33 cr.) above the 100 level, of which at least five must be on the 300-400 level.

- Grammar: ENG-G 207 (3 cr.)
- Professional Writing: ENG-W 231 (3 cr.)
- Writing Fiction: ENG-W 301 (3 cr.)
- Writing Poetry: ENG-W 303 (3 cr.)
- Select one of the following: ENG-W W311 or ENG-W 350 (3 cr.)
- One literature class at the 300-400 level
- Shakespeare: ENG-L 315 (3 cr.)
- ENG-L 440 (3 cr.) (also fulfills capstone requirements)
- Students must submit a Senior Portfolio. (Requirements for this are available in the English Department).
- Students must also complete the general requirements of the College of Arts and Sciences.

Total (33 cr.)

Recommendation

The department recommends that majors considering graduate work in English take elective courses in a variety of periods of English and American literature.

Students who expect to go on to graduate work are advised to take substantial work in at least one foreign language.

We strongly encourage students in the Writing Track to take ENG-W 398, Internship in Writing.

Interdepartmental Major in African American and African Diaspora Studies and English

The Departments of Minority Studies and English offer a thematically integrated major in English and African American and African Diaspora Studies. This interdepartmental major is designed for students who wish to combine substantial African American and African Diaspora Studies with their work in the American and English literature major. (Details are available under the "Department of Minority Studies" section of this bulletin.)

Minors in English

Students must complete the general requirements of the College of Arts and Sciences.

Following are the requirements for the three options for minors.

Literature Option

- Select one from the following
 - ENG-L 202 (3 cr.)
 - ENG-L 203 (3 cr.)
 - ENG-L 204 (3 cr.)
 - ENG-L 205 (3 cr.)
- Select one from the following
 - ENG-L 211 (3 cr.)
 - ENG-L 212 (3 cr.)
- Select one from the following
 - ENG-L 351 (3 cr.)
 - ENG-L 352 (3 cr.)
 - ENG-L 354 (3 cr.)
- Two additional 300 level courses in literature (3 cr.)

Total (15 cr.)

Writing Option

- ENG-W 231 (3 cr.)
- Select one of the following:
 - ENG-W 311 (3 cr.)
 - ENG-W 350 (3 cr.)
- Select one of the following:
 - ENG-W 301 (3 cr.)
 - ENG-W 303 (3 cr.)
- Select 2 literature classes at the 200 or above level (6 cr.)

Total (15 cr.)

Creative Writing Option

- ENG-W 301 (3 cr.)
- ENG-W 303 (3 cr.)
- ENG-W 311 (3 cr.)

- 2 literature classes at the 200 or above level (6 cr.)

Total (15 cr.)

Women's and Gender Studies/English Option

- Required
 - ENG-L 249 Representations of Gender and Sexuality (3 cr.)
 - WGS-W 201 Women in American Culture (3 cr.)
 - WGS-W 401 Topics in Women's and Gender Studies (3 cr.)
 - ENG-L 207 Women and Literature (3 cr.) OR WGS-W 207 Women and Literature
- Add one of the following (3 cr.):
 - CMLT-C 340 Women in World Literature (3 cr.)
 - ENG-L 235 Gender, Sexuality, and Film (3 cr.)

Total (15 cr.)

WGS/English Minor

- Required
 - ENG-L 249 Representations of Gender and Sexuality (3 cr.)
 - WGS-W 201 Women in American Culture (3 cr.)
 - WGS-W 201 Topics in Women's and Gender Studies (3 cr.)
 - ENGL-L 207 Women and Literature (3 cr.) or WGS-W 207 Women and Literature (3 cr.)
- And one of the following (3 cr.)
 - CMLT-C 340 Women in World Literature (3 cr.)
 - ENG-L 235 Gender, Sexuality, and Film (3 cr.)

Total (15 cr.)

Courses

Composition

Courses in composition include ENG-W 130, and ENG-W 131.

Students are not permitted to register for ENG-W 131 until they have taken the English placement exams administered by Admissions. On the basis of the placement test scores, the student may be counseled to take ENG-W 130 prior to ENG-W 131.

Additional information will be provided at the testing site, and students should confer with an advisor about the course that best suits them. Students may also contact the Director of Writing at 980-6569 for further advising.

They should also consult the Bulletin under Placement Testing and Assessment

Writing

Courses in writing include ENG-W 103, ENG-W 231, ENG-W 301, ENG-W 302, ENG-W 303, ENG-W 350, ENG-W 398, and ENG-W 490. Before students are eligible to take further courses in writing, they must have completed ENG-W 131.

Literature

Courses in literature include ENG-L 101, ENG-L 102, ENG-L 201, ENG-L 202, ENG-L 203, ENG-L 204, ENG-L 205, ENG-L 207, ENG-L 211, ENG-L 212, ENG-L 295.

The following courses are ordinarily recommended for juniors and seniors: ENG-L 305, ENG-L 308, ENG-L 311, ENG-L 315, ENG-L 326, ENG-L 332, ENG-L 335, ENG-L 345, ENG-L 346, ENG-L 347, ENG-L 348, ENG-L 351, ENG-L 352, ENG-L 354, ENG-L 355, ENG-L 357, ENG-L 358, ENG-L 364, ENG-L 365, ENG-L 366, ENG-L 369, ENG-L 370, ENG-L 381, ENG-L 382, ENG-L 390, ENG-L 440, ENG-L 495.

Language

Courses in the English language include ENG-G 205, and ENG-G 207.

Graduate Certificates in English

There are three graduate certificates in English that provide graduate-level instruction in English to students interested in obtaining advanced skills and knowledge in this discipline. For those students who are teaching or plan to teach introductory post-secondary language, writing, and literature courses in English or Dual-Credit classes, our courses will help them integrate disciplinary concepts and approaches into their teaching, thereby improving the quality of instruction and learning outcomes for their students.

The certificates allow instructors of introductory college-level English courses to meet in part the faculty educational standards of many post-secondary institutions.

Students may complete the requirements for a Graduate Certificate in English in one of three competency areas.

Online Graduate Certificate in Literature for Dual-Credit Instructors

Students must take one course in each of the numbered requirements.

1. **ENG L503—Teaching Literature in College.**
2. **ENG L553—Studies in Literature.**
3. **ENG D600—History of the English Language.**
4. **ENG L500/600—Literature Elective.**
5. **ENG L500/600—Literature Elective.**

Electives may be repeated for credit so long as they are on a different topic.

Online Graduate Certificate in Language and Literature for Dual-Credit Instructors

Students must take one course for each of the numbered requirements.

1. **ENG W509—Introduction to Writing and Literary Studies.**

or

ENG W500— Issues in Teaching Writing and Literature.

2. **ENG L503—Teaching Literature in College.**
3. **ENG D600—History of the English Language.**
4. **ENG W600—Topics in Rhetoric or Composition.**

or

ENG W682—Special Topics: Rhetoric and Composition.

or

ENG W508—Creative Writing for Teachers.5. **ENG L500/600—Literature Elective.****Online Graduate Certificate in Composition Studies for Dual-Credit Instructors**

Students must take one course for each of the numbered requirements.

1. **ENG W509—Introduction to Writing and Literary Studies.**

or

ENG W500— Issues in Teaching Writing and Literature.

2. **ENG G660—Stylistics.**
3. **ENG W590—Teaching Writing: Theories and Applications.**

or

ENG W620—Advanced Argumentative Writing.4. **ENG W501—Teaching College Writing.**

or

ENG W600—Topics in Rhetoric and Composition.5. **ENG W682—Capstone course.****Minors in English**

Students must complete the general requirements of the College of Arts and Sciences.

Following are the requirements for the three options for minors.

Literature Option

- Select one from the following
 - ENG-L 202 (3 cr.)
 - ENG-L 203 (3 cr.)
 - ENG-L 204 (3 cr.)
 - ENG-L 205 (3 cr.)
- Select one from the following
 - ENG-L 211 (3 cr.)
 - ENG-L 212 (3 cr.)
- Select one from the following
 - ENG-L 351 (3 cr.)
 - ENG-L 352 (3 cr.)
 - ENG-L 354 (3 cr.)
- Two additional 300 level courses in literature (3 cr.)

Total (15 cr.)

Writing Option

- ENG-W 231 (3 cr.)
- Select one of the following:
 - ENG-W 311 (3 cr.)
 - ENG-W 350 (3 cr.)

- Select one of the following:
 - ENG-W 301 (3 cr.)
 - ENG-W 303 (3 cr.)
- Select 2 literature classes at the 200 or above level (6 cr.)

Total (15 cr.)

Creative Writing Option

- ENG-W 301 (3 cr.)
- ENG-W 303 (3 cr.)
- ENG-W 311 (3 cr.)
- 2 literature classes at the 200 or above level (6 cr.)

Total (15 cr.)

Women's and Gender Studies/English Option

- Required
 - ENG-L 249 Representations of Gender and Sexuality (3 cr.)
 - WGS-W 201 Women in American Culture (3 cr.)
 - WGS-W 401 Topics in Women's and Gender Studies (3 cr.)
 - ENG-L 207 Women and Literature (3 cr.) OR WGS-W 207 Women and Literature
- Add one of the following (3 cr.):
 - CMLT-C 340 Women in World Literature (3 cr.)
 - ENG-L 235 Gender, Sexuality, and Film (3 cr.)

Total (15 cr.)

WGS/English Minor

- Required
 - ENG-L 249 Representations of Gender and Sexuality (3 cr.)
 - WGS-W 201 Women in American Culture (3 cr.)
 - WGS-W 201 Topics in Women's and Gender Studies (3 cr.)
 - ENGL-L 207 Women and Literature (3 cr.) or WGS-W 207 Women and Literature (3 cr.)
- And one of the following (3 cr.)
 - CMLT-C 340 Women in World Literature (3 cr.)
 - ENG-L 235 Gender, Sexuality, and Film (3 cr.)

Total (15 cr.)

Fine Arts**Phone:** (219) 980-6810**Website:** <http://www.iun.edu/fine-arts/>**About Fine Arts**

Two types of courses are offered: history of art, taught by illustrated lectures and class discussion; and practice of art, consisting of studio work on creative and technical problems.

Major in Studio Practice - B.A.

The B.A. in studio practice offers a wide-ranging study of the studio arts with an accompanying minor in Art History to prepare students for lifelong visual literacy and employment in the arts. This program exposes students to multiple introductory through advanced-level studio courses while encouraging exploration with new artistic directions, alternative media, or conceptual works.

Requirements

- Minor in Art History
 - FINA-A101 and FINA-A102 (6 cr.)
 - Art history at the 300 and 400 level (9 cr.)
- Fundamental studio (9 cr.)
- Studio courses above the 100 level (minimum of 19 cr.) must include a minimum of three and a maximum of five of the introductory (200-level) courses
- FINA-A 435 Art Theory for Graduating Seniors (2 cr.) must be taken during the fall semester.
- During the final year, students have the option to choose to assume full responsibility for mounting a personal exhibit that will include terminal and representative work in the major field. To participate in the senior exhibition, the student must:
 - File in the departmental office an "Intent to Graduate" one calendar year prior to the intended completion date. You must meet with your principal teacher to determine if you are prepared to enroll in FINA-S 497.
 - Submit a portfolio of the most recent and best work in the major discipline to the departmental office before the completion of the fall semester, prior to enrolling in FINA-S 497. The studio program in the final year shall be coordinated with the evaluation of the portfolio.
 - Enroll in FINA-S 497 Independent Study in Studio Art for the spring semester during the final year. (1-3 cr.)
 - Prepare the exhibit under the principal teacher's guidance. This will include drafting a descriptive statement about the work in the exhibit: goals, intent, approach, techniques, etc.
 - Be prepared to exhibit in accordance with the departmental schedule at any time during the final semester. FINA-A 435 and FINA-S 497 fulfill the capstone requirement.
 - Graduating Senior Exhibit
- Students must also complete the general requirements of the College of Arts and Sciences

Total (45 cr.)

The final grade for FINA-S 497 will be based on Senior Exhibit, and will be determined by a faculty committee.

Transfer Credit in Studio

All incoming students who want to transfer studio credit from another institution must submit a portfolio. This should be in the form of slides, photographs, or compact discs, and should include the better work done in each course for which credit transfer is desired. The faculty

shall devise a minimal studio program in residence, specifically based upon evaluation of the portfolio, for each transfer student.

Interdepartmental Major: CIS and Fine Arts

Bachelor of Arts in Computer-based Graphic Arts

Computer-based graphic artists are sought-after in the job market. The students who graduate with this degree will have a strong background in artistic (fine arts) and computer (CIS) skills. Computer-based graphic arts are widely used tools in business, industry, and the arts.

The student will have two official advisors—one in the Department of Fine Arts and one in Computer Information Systems—who will help plan the course of study in detail and with frequent consultations.

Requirements in Department of Fine Arts Va (25 cr.)

- Select one of the following:
 - FINA-F 100 Fundamental Studio-Drawing (3 cr.)
 - FINA-F 102 Fundamental Studio-2D (3 cr.)
- FINA-S 250 Introduction to Design Practice (3 cr.)
- FINA-S 351 Typography (3 cr.)
- FINA-S 352 Production for Graphic Design (3 cr.)
- FINA-S 353 Graphic Design IV (3 cr.)
- FINA-S 413 Typography (2 cr.)
- FINA-S 414 Layout and Design (2 cr.)
- FINA-S 415 Package Design (2 cr.)
- FINA-S 451 Graphic Design Problem Solving (3 cr.)
- FINA-S 497 Capstone - Independent Study in Fine Arts (1-3 cr.)

Requirements in Department of Fine Arts Vb (8 cr.)

- 3 credit hours in the FINA-A100 series (history of art)
- 3 credit hours of 300 or 400 level art history
- FINA-A435 CAPSTONE Art Theory (2 cr.)

Requirements in Computer Information Systems (18 cr.)

- CSCI-A 106 Introduction to Computing (3 cr.)
- CSCI-A 251 Introduction to Digital Imaging Application (3 cr.)
- CSCI-A 348 Mastering the World Wide Web (3 cr.)
- INFO-N 248 Design Principles in Web Design (3 cr.)
- INFO-N 215 Online Document Development (3 cr.)
- Select one of the following:
 - CSCI-A 340 An Introduction to Web Programming (3 cr.)
 - **or** INFO-I 310 Multimedia Arts and Technology (3 cr.)
 - **or** INFO-I 400 Topics in Informatics (3 cr.)
 - **or** CSCI-C 390 Individual Programming Lab (3 cr.)

Total (51 cr.)

In addition to the preceding courses the students are responsible for fulfilling the general requirements of the College of Arts and Sciences.

There is a Bachelor of Science version of this interdepartmental degree. See the Fine Arts Department

section for details. [schools/coas/departments/computer/major-cis-arts](#)

Minor in Art History

Requirements

- FINA-A 100 level art history courses (6 cr.)
- 300 or 400 level art history courses, excluding FINA-A 435 (9 cr.)

Total (15 cr.)

Minor in Fine Arts

Six options: Drawing, Painting, Printmaking, Photography, Sculpture, Ceramics, Graphic Design

Required courses in all options:

- Select one of the following (3 cr.)
 - FINA-F 100
 - FINA-F 101
 - FINA-F 102
- Art history FINA-A 100 level (3 cr.)
- 3 Studio Art classes at the 200 or above level (9 cr.)

Total (15 cr.)

Major in Studio Practice - B.F.A.

The B.F.A. degree offers an intensive study of the studio arts with an accompanying focus on art history to prepare students for lifelong visual literacy, employment in the arts, and application to graduate programs. This program requires students to master introductory through advanced-level studio courses in a specific medium while encouraging exploration with new artistic directions, alternative media, or conceptual works.

Admission to B.F.A Program

Admission to the B.F.A program is based upon a portfolio and transcript review at the end of the sophomore year. Prerequisites for admission include:

1. Completion of the following courses:
 - A101 and A102 art history (6 cr.)
 - Fundamental studio (9 cr.)
 - Two, 200 level studio courses
 - English W131
 - One of the following math courses: M100, M118, M119, M125, or M215
2. Portfolio review by department committee

Requirements Va (57 cr.)

- Fundamental Studio (9 cr.)
- Studio courses above 100 level (48 cr.) must include a minimum of three and a maximum of six of the introductory (200 level courses)
- S497 Independent Study in Studio Art, Capstone, for the spring semester during the final year (1-3 cr.)
- During the final year, each student must assume full responsibility for mounting a personal exhibit that will include terminal and representative work in the major field and, if applicable, in the minor field as well. To meet this requirement, the student must:

- File in the departmental office an "Intent to Graduate" one calendar year prior to the intended completion date. You must meet with your principal teacher to determine if you are prepared to enroll in FINA-S 497.
- Submit a portfolio of the most recent and best work in the major discipline to the departmental office before the completion of the fall semester, prior to enrolling in FINA-S 497. The studio program in the final year shall be coordinated with the evaluation of the portfolio.
- Enroll in FINA-S 497 Independent Study in Studio Art for the spring semester during the final year. (1-3 cr.)
- Prepare the exhibit under the principal teacher's guidance. This will include drafting a descriptive statement about the work in the exhibit: goals, intent, approach, techniques, etc.
- Be prepared to exhibit in accordance with the departmental schedule at any time during the final semester. FINA-A 435 and FINA-S 497 fulfill the capstone requirement.
- Graduating Senior Exhibit
- Students must also complete the general requirements of the College of Arts and Sciences
- The final grade for FINA-S497 will be based on the Senior Exhibit, and will be determined by a faculty committee.

Requirements Vb (14 cr.)

- FINA-A 101 and FINA-A 102 art history (6 cr.)
- Two 300 level art history (6 cr.)
- FINA-A 435 (2 cr.)

Total (71 cr.)

Transfer Credit in Studio

All incoming students who want to transfer studio credit from another institution must submit a portfolio. This should be in the form of slides, photographs, or compact discs, and should include the better work done in each course for which credit transfer is desired. The faculty shall devise a minimal studio program in residence, specifically based upon evaluation of the portfolio, for each transfer student.

Geosciences

Phone:(219) 980-6740

Website: <http://www.iun.edu/geosciences/>

Geology

Geology is the scientific study of the earth, including its materials and resources, the physical and chemical processes that occur on its surface and in its interior, the development of landforms, and the methods for studying the planet.

The Bachelor of Science in Geology degree provides a rigorous general background in the field of geology and allied disciplines. The degree is designed for students who wish to prepare for graduate school or employment

as a professional geologist. The degree also provides rigorous scientific training for students seeking a career in science education. This degree offers a more extensive requirement in biology, chemistry, mathematics, and physics compared with the Bachelor of Arts in Geology degree and is designed to optimize student opportunities.

The degree requires participation in an accredited field camp in geology.

The Bachelor of Arts in Geology provides a general background in the field of geology and requires a diversified liberal arts education in place of some of the allied disciplines. The B.A. is an appropriate choice for students who wish to teach earth sciences at the secondary level and for those who wish to gain a general knowledge of the geosciences and their relationship to other sciences.

Major in Geology - B.S.

Requirements Majors complete 40 credit hours in geology and 33 credit hours in the allied disciplines

1. Any **one** of the following 100-level courses AND GEOL G102 laboratory:

- GEOL-G101 Introduction to Earth Science (3 cr.) AND GEOL-G102 Intro to Earth Science Lab (1 cr.)
- GEOL-G107 Environmental Geology (3 cr.) AND GEOL-G102 Intro to Earth Science Lab (1 cr.)

GEOL-G209 History of the Earth (4 cr.)
 GEOL-G221 Introductory Mineralogy (4 cr.)
 GEOL-G222 Introduction to Petrology (4 cr.)
 GEOL-G317 Field and Laboratory Techniques (4 cr.)
 GEOL-G323 Structural Geology (4 cr.)
 GEOL-G334 Principles of Sedimentation and Stratigraphy (4 cr.)
 GEOL-G429 Field Geology in the Rocky Mountains (6 cr.)
 OR other chairperson approved geology field camp (5-6 credits) (fulfills capstone requirement for B.S. in Geology)
 GEOL-G490 Undergraduate Seminar (fulfills capstone requirement for B.S. in Geology)

2. Complete **one** of the following sequences:

Two 400-level lecture-based geology courses (6-8 credit hours)

OR

One 400-level lecture-based geology course (3-4 credit hours) AND one semester of research or internship fulfilled by one of the following courses:

- GEOL-G407 Senior Science Project (3 cr.)
- GEOL-G408 Senior Science Project (3 cr.)
- GEOL-G460 Internship in Geology (3 cr.)

NOTE: Classes offered through IU Online must be approved by the IU Northwest Chair of Geosciences to count towards the geology major or minor.

3. Allied Sciences
 Chemistry (10 credits) CHEM C105-CHEM C106, CHEM C125-CHEM C126
 Physics (10 credits) PHYS P201, PHYS P202 **OR** PHYS P221, PHYS P222
 Mathematics (10 credits) MATH M215, MATH M216

Biology (3 credits)

4. Students must also complete the general requirements of the College of Arts and Sciences.

Major in Geology - B.S.

The Honors track recognizes the most accomplished students by an Honors designation on their transcripts. The total number of required credit hours for the Honors designation will not differ from the total number of credit hours for the BS degree in geology.

Students with a cumulative GPA of 3.2 or higher are potential candidates for the Honors Track. They also need to do Undergraduate Research within either GEOL-G 407 Senior Geosciences Projects I and/or GEOL-G 408 Senior Geosciences Projects II, and present their research as as Senior Thesis in the Department of Geosciences, at the IU Northwest Undergraduate Research Conference, and at the Geological Society of America Regional or National Meeting, or comparable conferences.

Major in Geology - B.A.

Requirements

Majors complete at least 27 credit hours in geology, 15 credit hours in the allied disciplines and a minimum of 36 credit hours in courses at the 300-400 level.

1. Any one of the following 100-level courses AND GEOL G102 laboratory:

- * GEOL-G101 Introduction to Earth Science (3 cr.) AND GEOL-G102 Intro. to Earth Science Lab (1 cr.)
- * GEOL-G107 Environmental Geology (3cr.) AND GEOL-G102 Intro. to Earth Science Lab (1cr)

GEOL-G209 History of the Earth (4 cr.)
 GEOL-G221 Introductory Mineralogy (4 cr.)
 GEOL-G222 Introduction to Petrology (4 cr.)
 GEOL-G317 Field and Laboratory Techniques (4 cr.)
 GEOL-G334 Principles of Sedimentology and Stratigraphy (4 cr.)

2. Any two 300- or 400-level lecture-based geology courses.

(The following GEOL (geology) courses fulfill the College of Arts & Sciences capstone requirement for the B.A. in Geology: GEOL-G323, GEOL-G406, GEOL-G413, GEOL-G415, GEOL-G435, GEOL-G451, GEOL-G476, GEOL-G490)

3. Allied Sciences (15 cr.): Students must complete one of the following sequences:

- * CHEM C105-CHEM C125 and 10 additional credit hours of chemistry, mathematics, or physics

OR

* Two semesters of College-level chemistry with corresponding laboratories and an additional 5 credit hours of mathematics (mathematics courses must be at or above the 100 level; MATH M100 and T-courses are excluded), or physics.

4. Students must also complete the general requirements of the College of Arts and Sciences. Including a minimum of 36 credit hours in courses at the 300-400 (junior-senior) level.

Double Degree in Geology (B.A.) and Secondary Education (Earth/Space Science)

The College of Arts and Sciences and School of Education offer a double major in Geology (B.A.) and Secondary Education (Earth/Space Science). See an advisor for details and course requirements.

Interdepartmental Major in Environmental Science - B.S.

The Environmental Science major is an interdepartmental program that leads to a Bachelor of Science degree in Biology, Chemistry, or Geology, with a major in Environmental Science. It provides a rigorous interdisciplinary background in the natural science segment of the environmental sciences, combined with a significant background in the allied disciplines of physics and mathematics, and coursework in environmental affairs. The Environmental Science major is designed to prepare students for graduate programs or employment as scientists in technical fields associated with the environmental industry and government sector. These disciplines include hydrology, environmental hazard mitigation, waste management, water and air quality issues, ecology, and habitat issues.

All students are responsible for fulfilling the general requirements of the bachelor's degree as established by the College of Arts and Sciences, which include a minimum of 36 hours at the 300-400 level. Completion of the BS in environmental science requires a total of 120 credit hours and a minimum of a 2.0 grade point average.

Students fulfill core requirements from the disciplines of geology, biology and chemistry and choose two disciplines for an interdepartmental concentration area. Please consult the individual departments for more information. Students are required to complete a minimum of 40 credit hours in the interdepartmental major with a minimum of 12 credit hours at the 300- or 400-level in each of the two concentration areas. Students are required to complete additional courses in associated areas of study.

Requirements

Complete the general education requirements for the Bachelor of Science degree in the College of Arts and Science. Fulfill the following:

- Geology, Chemistry, and Biology requirements
 - GEOL-G101 – GEOL-G102 Intro to Earth Science/Intro to Earth Science Lab (4 cr.)
 - GEOL-G221 – Mineralogy – Lecture/Lab (4 cr.)
 - CHEM-C105 – CHEM-C125 Principles of Chemistry I/Experimental Chemistry I (5 cr.)
 - CHEM-C106 – CHEM-C126 Principles of Chemistry II/Experimental Chemistry II (5 cr.)
 - BIOL-L101 – Introduction to Biological Sciences I – Lecture/Lab (4 cr.)
 - BIOL-L102 – Intro to Biological Sciences II – Lecture/Lab (4 cr.)
- Public and Environmental Affairs allied environment requirement
 - Select one of the following
 - SPEA E400 (Topics in Environmental Studies) – Environmental Law (3 cr.)

- SPEA E400 (Topics in Environmental Studies) – Environmental Mediation (3 cr.)
- Complete a combined total of 40 credit hours from **two** scientific disciplines in the major. The 40 credit hour concentration need not be equally divided between the two disciplines. Each of the two areas should include a minimum of 12 credit hours of 300- 400-level coursework. The list of acceptable coursework is listed below. Coursework completed in the students' chosen disciplines from 2. above (Geology, Chemistry, and Biology requirements) count toward the total credit hours.
 - Biology
 - BIOL-B351 – Fungi – Lecture/Lab (3-4 cr.)
 - BIOL-B355 – Plant Diversity (4 cr.)
 - BIOL-L473 – Ecology – Lecture/Lab (3-4 cr.)
 - BIOL-L482 – Restoration Ecology (3 cr.)
 - BIOL-Z406 – Vertebrate Zoology – Lecture/Lab (3-4 cr.)
 - BIOL-L490 – Individual Study in Biology (3-6 cr.)
 - Chemistry
 - CHEM-C341 – Organic Chemistry I (3 cr.)
 - CHEM-C343 – Organic Chemistry I Lab (2 cr.)
 - CHEM-C303 – Environmental Chemistry (3 cr.)
 - CHEM-C310 – Analytical Chemistry + Analytical Chemistry Laboratory (5 cr)
 - CHEM-C409 – Chemical Research (3-6 cr)
 - Geosciences
 - GEOL-G317 – Field and Laboratory Techniques (4 cr.)
 - GEOL-G334 – Sedimentology and Stratigraphy – Lecture/Lab (4 cr.)
 - GEOL-G451 – Hydrogeology – Lecture/Lab (4 cr.)
 - GEOL-G407/GEOL-G408 – Senior Geosciences Research Project (3-6 cr.) Must be advisor approved
 - GEOL-G429e – Environmental Geology Field Camp (6 cr.) offered through IU Bloomington – or other chair-approved hydrogeology/Environmental Geology field camp. See list of pre-requisites in the list of classes at end of bulletin.
 - GEOL-G490 – Senior Seminar (1 cr.) – must be environmentally-based and advisor approved
 - GEOG 415/515 – Advanced Geographic Information Systems (GIS) (3 cr.) (offered through VIGGA – class will meet at Valparaiso University).
 - Students are responsible for fulfilling prerequisites for this course (GEOG 215 Valparaiso University or GEOG-G250

IU Northwest) that are not part of the Environmental Science program.

- Allied Sciences (18 credit hours)
 - MATH-M215 – Calculus I (5 cr.)
 - K300 – Statistics (3 cr.)
 - PHYS-P201 or PHYS-P221 – Physics I (5 cr.)
 - PHYS-P202 or PHYS-P222 – Physics II (5 cr.)
- Senior Seminar (*capstone*) (integration of Biology/Chemistry/Geology into environmental topics of current importance) (1 cr.) – GEOL-G490/BIOL-L403/CHEM-C300

Electives

The following list is designed to provide students with guidance in course selection. Students should speak to their advisors to choose elective courses that best meet their educational goals.

- Any coursework from Biology, Chemistry, and Geology that was not used to satisfy major requirements.
 - MATH-M216 – Calculus II (5 cr.)
 - SPEA H316 – Environmental Health (3 cr.)
 - SPEA E400/V450 – Environmental Planning (3 cr.)

Minors in Geology and Earth Science

A minor in geology offers students majoring in other disciplines a solid background in the geological sciences. It should prove especially useful for students seeking careers with interdisciplinary emphasis (e.g., chemistry, biology, the environmental sciences). The earth science minor is designed to provide students planning careers involving the management of resources with sufficient background to understand basic geological principles and their relationships to human activities on earth.

Geology Minor (16 cr.)

1. Any one of the following 100-level courses AND GEOL-G 102 laboratory:
 - GEOL-G 101 Introduction to Earth Sciences (3 cr.) AND GEOL-G 102 Intro. to Earth Science Lab (1 cr.)
 - GEOL-G 107 Environmental Geology (3 cr.) AND GEOL-G 102 Intro. to Earth Science Lab (1 cr.)
 - GEOL-G 103 Earth Materials and Processes (3 cr.) AND GEOL-G 102 Intro. to Earth Science Lab (1 cr.)
 - GEOL-G 209 History of the Earth (4 cr.)
2. Additional coursework may be chosen in conjunction with a geology advisor but must consist of at least two lecture-based geology (GEOL) courses. Classes offered through IU Online must be approved by the IU Northwest Chair of Geosciences to count toward the geology major or minor.

Earth Science Minor (16 cr.)

1. Any one of the following 100-level courses AND GEOL-G 102 laboratory:
 - GEOL-G 101 Introduction to Earth Sciences (3 cr.) AND GEOL-G 102 Intro. to Earth Science Lab (1 cr.)
 - GEOL-G 107 Environmental Geology (3 cr.) AND GEOL-G 102 Intro. to Earth Science Lab (1 cr.)
 - GEOL-G 103 Earth Materials and Processes (3 cr.) AND GEOL-G 102 Intro. to Earth Science Lab (1 cr.)
2. GEOL-G 209 History of the Earth (4 cr.)
3. Additional coursework may be chosen in conjunction with a geology advisor but must consist of at least two lecture-based geology (GEOL) or geography (GEOG) courses. Classes offered through IU Online must be approved by the IU Northwest Chair of Geosciences to count toward the geology major or minor.

About Geography

No major is offered in geography at IU Northwest.

The program in geography is designed to serve the following purposes:

- Contribute to the development of an informed citizenry
- Provide specific skills and knowledge of the discipline for those who plan to pursue careers in
 - Teaching geography, social studies, and/or earth science
 - Geospatial Technologies, Geographic Information Systems (GIS), Cartography, Aerial Photography and Remote Sensing
 - Urban and/or regional planning
- Provide the background for graduate study

Minor in Medical Humanities

The cross-disciplinary minor in Medical Humanities provides an introduction to the social, historical, cultural, and ethical contexts of medicine to understand its shifting role and changing definitions. This minor introduces students to the cultural history of the medical profession, the variant perspectives of patients, the role that systems and states have played in the development and practice of medicine, and the representations of medicine in art. It is ideal for medical professionals seeking to expand their understanding of the values of their field and improve their interactions with patients.

Core courses (6 credit hours)

MHHS M301 *Perspectives on Health, Disease and Healing* The course utilizes the humanities and social science disciplines to provide students with a broader understanding of the many facets of health and disease, suffering and dying, as well as the art and science of healing. ****Click course title for sample syllabus****

MHHS M495 *Independent Project/ Seminar in MHHS* (Capstone)

This capstone seminar or project allows students to apply knowledge gained from course work taken in the program

by developing a research or applied project related to the interests of the MHHS faculty.

Elective courses (9 credit hours)

HIST H303 History of Disability
 PHIL P393 Biomedical Ethics
 ENG L201 Special Studies in Literature
 SOC S431 Disability, Stigma, and Society
 FINA A346 Art and the Culture Wars
 BIOL L300 Social Implications of Biology
 SPEA H342 Community Health Education
 SPEA H416 Environmental Health Policy
 SPEA H455 Topics in Public Health

15 credit hours total

History, Philosophy, Political Science, and Religious Studies

Minor in Medical Humanities

Phone: (219) 980-6655

Website: <http://www.iun.edu/hist-phil-rel-pols/>

About History

The Department of History offers students a wide range of courses in American, European, and Asian history, along with other courses in non-Western history and historiography. The department also cross-lists courses with Minority Studies and Women's and Gender Studies. The goals of the department are to teach analysis of texts, research skills, and critical thinking, along with the local, national, and global interconnectedness of historical events.

History Honors Program

Superior students are encouraged to pursue independent study and research through reading for honors courses at the junior and senior levels. Students with a grade point average of 3.4 in courses in history may write an honors thesis in their senior year with the consent of the department. Proposals should be submitted to the chairperson in the semester before the thesis is to be undertaken. Further information about advanced placement and the honors program may be obtained from the Department of History, Philosophy, Political Science, and Religious Studies.

The Paul J. Urcan Memorial Prize Award Each year, a committee of departmental faculty selects a student, usually a graduating senior, who has done outstanding work in history to be awarded the Paul J. Urcan Memorial Prize.

Rhiman A. and Brenda Rotz Memorial Scholarship

Each year, junior and senior students may submit a proposal for the scholarship, according to department guidelines. A committee of department faculty chooses the recipient.

Major in History Requirements

- HIST-H 105 (3 cr.)
- HIST-H 106 (3 cr.)
- HIST-H 113 (3 cr.)
- HIST-H 114 (3 cr.)

- HIST-H 215 Proseminar in History, taken before the capstone course
- History courses numbered 200-499 (18 cr.), including
 - 2 courses in United States history [HIST A] (6 cr.)
 - 2 courses in European history (from the Middle Ages to the present) [HIST B] (6 cr.)
 - 2 courses in other areas or topics in history (e.g., ancient, non-European, non-U.S.) [HIST C, D, F, G, or T] (6 cr.)
- HIST-J 495 Proseminar in History to fulfill capstone requirement
- The Department of History accepts any Latino studies courses with history designations toward the B.A. in history. Additionally, we will accept one CHRI number taken by students toward an A.A. in Latino studies and apply it to the B.A. in history toward completion of the required 24 credits of history courses at the 200 level and above.

Minor in History Requirements

The department offers four **minor** concentrations in history for nonmajors.

- All of them require 200-499 history courses (15 cr.)

A **general minor** consists of

- United States history (3 cr.)
- European history (3 cr.)
- Another area or topic (3 cr.)
- Elective (3 cr.)
- HIST-J 495 proseminar (3 cr.)

A **United States history minor** consists of

- 3 courses in United States history (9 cr.)
- Non-United States history (3 cr.)
- HIST-J 495 proseminar (3 cr.)

A **European history minor** consists of

- 3 courses in European history (9 cr.)
- Non-European history course (3 cr.)
- HIST-J 495 proseminar (3 cr.)

An **Asian history minor** consists of

- 3 courses in Asian history (9 cr.)
- Non-Asian history course (3 cr.)
- HIST-J 495 proseminar (3 cr.)

About Philosophy and Religious Studies

The curriculum of the philosophy program is designed to contribute to the intellectual training of all undergraduates and to acquaint them with some of the most important developments in the history of ideas. Courses in the program emphasize clear and cogent thinking about fundamental problems, locate the origins of these problems in the writings of the great philosophers, and provide in-depth examinations of proposed solutions. The

department also offers courses in ethics designed for business and medical students.

Major in Philosophy Requirements

A minimum of 30 credit hours in philosophy. No more than 9 credit hours at the 100 level may be included. At least 9 credit hours must be taken at Purdue University Calumet. (No more than 12 credit hours from Purdue University Calumet can be counted toward fulfilling the major requirements unless waived by the department and the Dean of the College of Arts and Sciences). Three courses from the sequence in the history of philosophy: PHIL-P 201, PHIL-P 211, PHIL-P 302, PHIL-P 304 or their Purdue equivalents. One course in logic and one course above the 100 level in each of the following four areas: (1) ethics, (2) metaphysics or epistemology, (3) twentieth-century philosophy, and (4) either PHIL-P 383 or PHIL-P 490 to fulfill the capstone requirement. Students must also complete the general requirements of the College of Arts and Sciences.

Students majoring in philosophy may register at IU Northwest for philosophy courses offered at Purdue University Calumet. Please see the chairperson of the Department of Philosophy and Religious Studies for details.

Minor in Philosophy Requirements

PHIL-P 100; one course in logic (PHIL-P 150); one course in ethics or social and political philosophy (e.g., PHIL-P 140 or PHIL-P 343); one course at 200 level or above; one elective 3 credit hour course in philosophy.

Political Science

About the Political Science Program

The Political Science program offers an opportunity for the systematic study of political institutions and processes leading to a degree in political science. Courses are offered in the following areas of study:

- Political theory and philosophy
- American political institutions and processes
- International relations and foreign policy
- Comparative politics

Special features of the department's program include opportunities for field research, internships in governmental agencies, and a senior seminar for all political science majors.

A degree in political science is a liberal arts degree, and as such prepares students to assume the duties of citizenship; provides special knowledge and skills useful in public service, law, business, and other careers; and lays a foundation for the scholarly study of government and politics. Prospective political science students and majors are invited to discuss their interests with any member of the political science faculty.

Major in Political Science - B.A. Requirements

In addition to meeting the College of Arts and Sciences' requirements for all B.A. degrees, political science majors

must take 36 credit hours in political science, choosing their classes from the following groups.

Core courses (9 cr.).

- POLS-Y 103 Introduction to American Government
- POLS-Y 395 Quantitative Political Analysis
- POLS-Y 490 Senior Seminar in Political Science (as course)

American institutions and processes (9 cr.)

- POLS-Y 200 Contemporary Political Topics
- POLS-Y 205 Analyzing Politics
- POLS-Y 304 Constitutional Law
- POLS-Y 318 The American Presidency
- POLS-Y 319 U.S. Congress
- POLS-Y 104 Topics Course

International relations and comparative politics (9 cr.)

- POLS-Y 335 Comparative Politics - Europe
- POLS-Y 360 U.S. Foreign Policy
- POLS-Y 366 International Politics of Selected Regions -Latin America
- POLS-Y 372 International Relations
- POLS-Y 373 Politics of Terrorism

Political theory and philosophy (9 cr.)

- POLS-Y 381 Classical Political Philosophy
- POLS-Y 382 Modern Political Philosophy
- POLS-Y 384 Developments of American Political thought II

Recommended: In addition to meeting departmental and general requirements, the political science department strongly suggests that political science majors take supporting courses in economics and history, especially American History.

Major in Political Science Pre-Law Track - B.A. Requirements

- POLS-Y 103 Introduction to American Government
- POLS-Y 304 Constitutional Law
- POLS-Y 395 Quantitative Political Analysis
- POLS-Y 490 Senior Seminar in Political Science

Majors must take 33 credit hours in political science, including POLS Y103

American institutions and processes (6 cr.)

- POLS-Y 318 The American Presidency
- POLS-Y 319 U.S. Congress

International relations (6 cr.)

- POLS-Y 360 U.S. Foreign Policy
- POLS-Y 372 International Relations

Political theory and philosophy (9 cr.)

- POLS-Y 381 Classical Political Philosophy
- POLS-Y 382 Modern Political Philosophy
- POLS-Y 384 American Political Thought

Other Requirements (Group VB)

- PHIL-P150 Elementary Logic (Counts toward Group IIIC)

Core Courses (12 credit hours)

Minor in Political Science Requirements

- POLS-Y 103 Introduction to American Government
- POLS-Y 318 U.S. Presidency
- POLS-Y 319 U.S. Congress
- POLS-Y 372 International Relations
- POLS-Y 360 U.S. Foreign Policy
- One Course in Political Theory (Y381, Y382, or Y384)

Total: 18 credits

Minor in Pre-law Requirements

- POLS-Y 103 Introduction to American Government
- POLS-Y 304 Constitutional Law
- POLS-Y 381 Classical Philosophy
- POLS-Y 382 Modern Philosophy
- POLS-Y 384 American Political Thought
- PHIL-P 150 Elementary Logic

The university provides prelaw counseling for interested students. Contact the prelaw advisor at (219) 980-6841 or (219) 980-6636.

Mathematics and Actuarial Science

Phone: (219)980-6590

Website: <http://www.iun.edu/math/>

About the Department

The Department of Mathematics serves students interested in one or more of the following:

- Applications of mathematics to the sciences, business, public and environmental affairs, actuarial science, etc.
- Mathematics teaching at any level
- Graduate study in mathematics
- Mathematical research

Students in college-level mathematics courses are generally assumed to have completed two years of high school algebra. All newly enrolled students should take the math placement test to determine their skill level and math class they could enroll in.

Placement testing and counseling are available through the Office of Admissions.

The order in which courses should be taken is shown in the tree diagram which is available at <http://www.iun.edu/math/classes/flow-chart.htm>.

- MATH-A 100 and MATH-M 117. For students who lack the background in algebra for freshman-level college mathematics.

- MATH-M 100. Terminal course for students in the humanities and the Allied Health sciences. Fulfills the Group I mathematics requirement in the College of Arts and Sciences.
- MATH-M 118, MATH-M 119. May be taken in either order. Primarily for majors in business and the social sciences.
- MATH-M 125-MATH-M 126, MATH-M 127. Preparation for calculus. Need not be taken by students with a strong background in algebra (including analytic geometry and logarithms) and trigonometry may be taken concurrently.
- MATH-M 215 Calculus. Intended for students majoring in mathematics and the sciences. Recommended as a strong elective in mathematics for others.

In addition to mathematics courses, all majors are strongly encouraged to study another discipline, in depth, which uses mathematics. Courses in physics, chemistry, computer science, and business are recommended. Students must also complete the general requirement of the College of Arts and Sciences.

Mathematics introductory courses include

- MATH-A 100
- MATH-M 117

Courses for nonmajors include

- MATH-M 015
- MATH-M 100
- MATH-M 110
- MATH-M 118
- MATH-M 119
- MATH-M 125
- MATH-M 126
- MATH-M 127
- MATH-K 200
- MATH-K 300
- MATH-T 101
- MATH-T 102
- MATH-T 103
- MATH-T 490

Major in Mathematics - B.A. Requirements (30-32 cr.)

- **Required core courses (29 cr.)**
 - MATH-M 215 (5 cr.)
 - MATH-M 216 (5 cr.)
 - MATH-M 301 (3 cr.)
 - MATH-M 311 (4 cr.) should be taken as soon as possible after completion of MATH-M 216
 - MATH-M 360 (3 cr.)
 - MATH-M 393 (3 cr.)
 - MATH-M 403 (3 cr.)
 - Select one of the following
 - MATH-M 413 (3 cr.)
 - MATH-M 366 (3 cr.)
- **Senior Thesis in Mathematics (1-3 cr.):**
 - MATH-M 493 (1-3 cr.) (a capstone course)

- Students must also complete the general requirements for the College of Arts and Sciences for the Bachelor of Arts degree

Total (30-32 cr.)

Major in Mathematics - B.S.

Requirements (42-44 cr.)

- **(1) Required core courses** (23 cr.)
 - MATH-M 215 (5 cr.)
 - MATH-M 216 (5 cr.)
 - MATH-M 301 (3 cr.)
 - MATH-M 311 (4 cr.)
 - MATH-M 360 (3 cr.)
 - MATH-M 391 (3 cr.)
- **(2) Applications** (12 cr.)
 - at least four additional 300 or 400 level mathematics courses not used for 1, 3, or 4.
- **(3) Senior Concentration** (6 cr.)
 - Select 2 courses from the following
 - MATH-M 366 (3 cr.)
 - MATH-M 403 (3 cr.)
 - MATH-M 405 (3 cr.)
 - MATH-M 413 (3 cr.)
- **(4) Senior Thesis in Mathematics:** (1-3 cr.)
 - MATH-M 493 (1-3 cr.) (a capstone course)

Requirements for the minor (15-20 cr.)

- **Arts and Sciences Option**
 - Mathematics majors are required to augment their academic program with a minor (minimum 15 credit hours) in another discipline. The student in consultation with a faculty advisor selects the minor area.
- **Secondary Education Option**
 - For students graduating with both, Secondary Education with major in mathematics and Bachelor of Science in mathematics, the minor requirement is waived.

Consult the Mathematics Department or the appropriate department for details.

Major in Actuarial Science - B.S.

Requirements (67-70 cr.)

- **Mathematics** core courses (23 cr.)
 - MATH-M 215 (5 cr.)
 - MATH-M 216 (5 cr.)
 - MATH-M 301 (3 cr.)
 - MATH-M 311 (4 cr.)
 - MATH-M 360 (3 cr.)
 - MATH-M 366 (3 cr.)
- **Actuarial Science** core courses (7-9 cr.) (One of these will be a capstone course)
 - MATH-M 320 (3 cr.)
 - MATH-M 325 (1-3 cr.)
 - MATH-M 485 (3 cr.)

- **Computer Science** core courses (7-8 cr.) (Select one of the following):

- Option 1
 - CSCI-C 201 (4 cr.)
 - CSCI-C 307 (3 cr.)
- Option 2
 - CSCI-A 201 (4 cr.)
 - CSCI-A 302 (4 cr.)

- **Economics and Business** core courses (21 cr.)

- ECON-E 103 (3 cr.)
- ECON-E 104 (3 cr.)
- BUS-A 201 (3 cr.)
- BUS-A 202 (3 cr.)
- ECON-E 270 (3 cr.)
- BUS-F 301 (3 cr.)
- BUS-F 420 (3 cr.)

- **Technical Electives** (9 cr.) three courses not used for Computer Science core from:

- **Mathematics**
 - MATH-M 312 (3 cr.)
 - MATH-M 325 (MATH-M 325 serves as a technical elective only when taken a second time in a different subject) (1-3 cr.)
 - MATH-M 343 (3 cr.)
 - MATH-M 371 (3 cr.)
 - MATH-M 447 (3 cr.)
 - MATH-M 448 (3 cr.)
 - MATH-M 451 (3 cr.)
 - MATH-M 469 (3 cr.)

- **Computer science**

- CSCI-C 203 (4 cr.)
- CSCI-C 320 (3 cr.)
- CSCI-C 343 (4 cr.)
- CSCI-C 390 (1-3 cr.)
- CSCI-C 340 (3 cr.)
- The following serve as technical electives when not used as (3) Computer Science core courses.
 - CSCI-A 201 4 cr.)
 - CSCI-A 302 (3 cr.)
 - CSCI-C 201 (4 cr.)
 - CSCI-C 307 (3 cr.)

- **Business**

- BUS-L 201 (3 cr.)
- BUS-N 300 (3 cr.)
- BUS-P 301 (3 cr.)
- BUS-M 301 (3 cr.)
- BUS-M 303 (3 cr.)
- BUS-A 311 (3 cr.)
- BUS-A 312 (3 cr.)
- BUS-A 322 (3 cr.)
- BUS-A 325 (3 cr.)
- BUS-A 328 (3 cr.)
- BUS-A 424 (3 cr.)

- Students must also complete the general requirements of the College of Arts and Sciences for the Bachelor of Science degree.
- Total (67-70 cr.)

For details concerning exact requirements, please consult the Department of Mathematics and Actuarial Science.

Major in Mathematics - B.S. and Master of Science in Education with Major in Secondary Education

The department of Mathematics and Actuarial Science and the School of Education offer a five-year program which results in a student graduating with a Bachelor of Science degree in Mathematics from the College of Arts and Sciences and a Master of Science degree in Secondary Education from the School of Education. Contact our department for further information and detailed schedule.

Minor in Mathematics

An arts and sciences minor in mathematics consists of the courses

- MATH-M 215 (5 cr.)
- MATH-M 216 (5 cr.)
- two (2) Mathematics courses above 200 level, and
- Select one of the following
 - CSCI-C 201, CSCI-A 201, PSY-K300 or
 - any Mathematics or Calculus-based Science course at the 200 level or above

Program for Secondary School Provisional Certificate in Mathematics

(See School of Education requirements.)

Required

- MATH-M 118 (3 cr.)
- MATH-M 126 (2 cr.)
- MATH-M 215 (5 cr.)
- MATH-M 216 (5 cr.)
- MATH-M 301 (3 cr.)
- MATH-M 311 (4 cr.)
- MATH-M 391 (3 cr.)
- MATH-M 360 (3 cr.)
- MATH-M 366 (3 cr.)
- MATH-T 336 (3 cr.)
- MATH-M 447 (3 cr.)
- Two approved mathematics electives (6 cr.) The following courses are recommended:
 - MATH-M 320 (3 cr.)
 - MATH-M 343 (3 cr.)
 - MATH-M 403 (3 cr.)
 - MATH-M 405 (3 cr.)
 - MATH-M 413 (3 cr.)

Total (43 cr.)

In order to finish this program in four years, the courses must be taken in the sequence and at the times

recommended by the mathematics department. Most 300 and 400 level mathematics courses are offered every other year.

Graduate Certificate in Mathematics

The Graduate Certificate in Mathematics provides graduate-level instruction in mathematics to students interested in obtaining advanced skills and knowledge in this area. For those students who are teaching or plan to teach introductory post-secondary mathematics or Dual Credit courses, our courses will help them integrate new mathematical concepts and approaches into their teaching, thereby improving the quality of instruction and learning outcomes for their students.

The certificate allows instructors of introductory college-level mathematics to partially meet the faculty educational standards of many post-secondary institutions. These requirements usually include a master's degree in the discipline, or a master's degree in another field (e.g., education) plus 18 hours of graduate level coursework in the discipline.

Students complete the requirements for Graduate Certificate in Mathematics by

- Completing at least one course in three of the five categories as outlined below (9 cr)
- Complete three additional elective courses chosen from any one of the five categories (9 cr).

Graduate Certificate in Mathematics Courses and Categories

1. **MATH T601—Topics in Algebra.** Core applications of Algebra including Group Theory, Ring Theory, Field Theory, Commutative and Noncommutative Algebra, Number Theory, and other topics in Algebra.
2. **MATH T610—Topics in Analysis.** Analysis applications. Topics covered in this area include Real Analysis, Complex Analysis, Fourier Analysis, and other topics in Analysis.
3. **MATH T620—Topics in Topology/Geometry.** Essential concepts of Topology/Geometry including topics in Euclidean and non- Euclidean Geometry, Point set topology, Differential Topology, Differential Geometry, and other topics in Topology/Geometry.
4. **MATH T640—Topics in Differential Equations and Applications.** Differential Equations and Applications including Numerical Methods, Mathematics of Finance, Graph Theory, Mathematical Physics, and other topics.
5. **MATH T650—Topics in Probability/Statistics.** Key concepts of Probability/Statistics.

Each of these courses may be repeated for credit (with a different topic).

Minority Studies

Phone: (219) 980-6629

Website: <http://www.iun.edu/minority-studies/>

About the Department

The Department of Minority Studies offers programs leading to the Bachelor of Arts degree in African American and African Diaspora studies. The curriculum is designed to acquaint the student with the unique worldviews and

experiences of Blacks and Latinos and the problems of minority groups in general. It prepares the student for the fields of community development, social services, minority group relations, and graduate study.

The university possesses a large and continuously growing library collection covering African, West Indian, and American experiences.

African American and African Diaspora Studies

The curriculum leading to a Bachelor of Arts degree in African American and African Diaspora Studies is oriented toward professional preparation and graduate study. The two program sequences, Human Services and Community Development, place a heavy emphasis on education that is directly related to employment opportunities and graduate-level study. The department also offers a Bachelor of Arts degree in African American and African Diaspora Studies with a concentration in Latino Studies.

Major in African American and African Diaspora Studies

Requirements - a minimum of 30 cr.

- Required
 - AAAD-A 103 (3 cr.)
 - AAAD-A 301 (3 cr.)
 - AAAD-A 343 (3 cr.)
 - Select one of the following
 - AAAD-A 398 (3 cr.)
 - AAAD-A 493 (3 cr.)
 - Select one of the following (3 cr.)
 - AAAD-A 150 Survey of the Culture of Black Americans (3 cr.)
 - AAAD-A 151 Minority People in the United States (3 cr.)
 - Select from the following Afro-American History and Culture courses(6 cr.)
 - AAAD-A 355 Afro-American History I (3 cr.)
 - Select one from the following
 - AAAD-A 379 Early Black American Writing (3 cr.)
 - AAAD-A 356 Afro-American History II (3 cr.)
 - AAAD-A 370 Recent Black American Writing (3 cr.)
 - AAAD-A 380 Contemporary Black American Writing (3 cr.)
 - Other courses in African American and African Diaspora studies or approved courses in sociology, psychology, or history may be taken to complete the major.
 - Twenty-five (25) credit hours of 200-400 level courses are required.
 - Students must also complete the general requirements of the College of Arts and Sciences.

Interdepartmental Major in African American and African Diaspora Studies and Communication

The Departments of Communication and Minority Studies offer an interdepartmental major in African American and African Diaspora studies and communication that reflects an interdisciplinary and substantive field of study. An interdepartmental major in communication and African American and African Diaspora studies focuses the specialization of the study of the human communication process within the African American and African Diaspora experience. This focus enhances the application of principles, methods, and findings of communication studies in light of the history, culture, and theories of the African American and African Diaspora experience, including an Africana perspective. Students will integrate their communication studies emphasis (public and rhetorical communication, relational communication, media studies, or communication and culture) into the African American and African Diaspora studies major to create a systematic and coherent field of study.

Requirements

The chairpersons of the Departments of Minority Studies and Communication must jointly advise the interdepartmental major. Students must complete a total of 45 credit hours in the interdepartmental major.

Students must complete

- African American and African Diaspora studies (18 cr.)
 - Select one of the following
 - AAAD-A 150 (3 cr.)
 - AAAD-A 151 (3 cr.)
 - Select one of the following
 - AAAD-A 355 (3 cr.)
 - AAAD-A 379 (3 cr.)
 - Select one of the following
 - AAAD-A 356 (3 cr.)
 - AAAD-A 370 (3 cr.)
 - AAAD-A 380 (3 cr.)
- African American and African Diaspora studies electives (9 cr.)
 - 300 or 400 level
- Communication (speech, communication, journalism, telecommunications) (27 cr.)
 - SPCH-S 121 (3 cr.)
 - SPCH-S 122 (3 cr.)
 - 300 or 400 level (12 cr.)
 - SPCH-S 400 (3 cr.) and / or AAAD-A 493 (3 cr.)
 - Courses cross-listed in both departments may be taken in either department, but students may not receive credit in both departments for the same course.
 - Students may not receive credit toward the major for both SPCH-S 424 and AAAD-A 398

Total (45 cr.)

Interdepartmental Major in African American and African Diaspora Studies and English

The Departments of Minority Studies and English offer a thematically integrated major in African American and African Diaspora Studies and English. This interdepartmental major is designed for students who wish to combine substantial African American and African Diaspora Studies with their work in the American and English literature major. African American and African Diaspora Studies is importantly multidisciplinary, requiring students to be familiar with the connected history and theories of the African American and African Diaspora experience across disciplines, including an Africana perspective. The interdepartmental major in African American and African Diaspora Studies and English provides students with this background as well as with an understanding of African American and African Diaspora literature, seen in the context of American and English literature. With this course of study, students will be able to integrate and synthesize knowledge and understanding of the total African American and African Diaspora experience as it coexists with English language and literature studies.

Requirements

The chairpersons of the Departments of Minority Studies and English must jointly advise the interdepartmental major. A combined minimum of 33 credit hours is required.

- African American and African Diaspora Studies - 300 level or above (18 cr.)
 - AAAD-A 355 (3 cr.)
 - AAAD-A 356 (3 cr.)
 - AAAD-A 493 (multidisciplinary capstone course) (3 cr.)
 - Select one of the following (9 cr.)
 - AAAD-A 370 (3 cr.)
 - ENG-L 370 (3 cr.)
 - AAAD-A 379 (3 cr.)
 - AAAD-A 380 (3 cr.)
 - AAAD-A 392 (3 cr.)
- English (15 cr.)
 - ENG-L 202 (3 cr.)
 - ENG-L 315 (3 cr.)
 - Select one of the following
 - ENG-L 351 (3 cr.)
 - ENG-L 352 (3 cr.)
 - ENG-L 355 (3 cr.)
 - Select one of the following
 - ENG-L 354 (3 cr.)
 - ENG-L 357 (3 cr.)
 - ENG-L 358 (3 cr.)
 - ENG-L 440 (3 cr.)

Total (33 cr.)

A 2.0 cumulative grade point average is required in the courses taken in the interdepartmental major. Only courses with a grade of C- or higher will be counted in the major.

Minor in African American and African Diaspora Studies

Requirements

- Select one of the following
 - AAAD-A 150 (3 cr.)
 - AAAD-A 151 (3 cr.)
- 4 additional courses in Afro-American studies to be selected in consultation with the departmental advisor. (12 cr.)

Total (15 cr.)

Latino Studies

Latino studies is an interdisciplinary program designed to acquaint the student with the worldview and experience of Chicanos and Puerto Ricans in the United States. The curriculum emphasizes the history, culture, and socioeconomic conditions of Latino people while also examining the nature of minority groups in American society. The program also offers courses for the bilingual education endorsement in the School of Education, the education minor in ethnic and cultural studies, and the education major with bilingual emphasis.

Minor in Latino Studies Requirements

- CHRI-C 101 (3 cr.)
- CHRI-C 151 (3 cr.)
- 12 credit hours from the course listings (course numbers in parentheses indicate cross-listing in the Department of History) (12 cr.)

Total (18 cr.)

Minor in Race-Ethnic Studies

Race-Ethnic Studies allows students interested in African American and African Diaspora and Latino Studies to develop a focus of study in both programs. This field leads to a broad understanding of the minority experience in the United States and those of diaspora peoples; how the phenomena of race, gender, and class have influenced communities and individuals; how minority groups define themselves and what strategies they have utilized for survival; who the people called African Americans, Latinos, Native Americans, and Asian Americans are.

Credit Hours Required—A minimum of 15 credit hours required.

Requirements

- AAAD-A 151 / CHRI-C 151 Minority People in the United States (3 cr.)
- 4 courses from the listings for the Department of Minority Studies meeting the following distribution pattern (12 cr.)
 - 2 courses from course listings in African American and African Diaspora studies (6 cr.)
 - At least one course at 200, 300, or 400 level (3 cr.)
 - 2 courses from course listings in Latino Studies (6 cr.)

- At least 1 course at 200, 300, or 400 level (3 cr.)
- Capstone or research course, must be interdisciplinary (3 cr.)

Total (15 cr.)

Postbaccalaureate Certificates

Community Development/Urban Studies

This certificate is for students who have completed an undergraduate degree and would like formal recognition of a proficiency in the field of Community Development and Urban Studies. The focus of study will be on community development, community economic development, and urban studies within a matrix of the minority experience. This certificate has wide appeal from educators to practitioners in fields such as community development, planning, and public policy. This certification meets a specific need for persons intending to hold or holding positions in the field beyond the entry level, such as Community Development Planner II; or entry-level positions that require postbaccalaureate certification and/or experience.

Requirements

- Department of Minority Studies or approved courses from other departments (18 cr.)
 - Select from one of the following
 - AAAD-A 150
 - AAAD-A 151
 - CHRI-C 151 Minority People (3 cr.)
- Department of Minority Studies courses which be distributed among community development, urban studies and economic policy (12 cr.)
 - AAAD-A 103
 - AAAD-A 230
 - AAAD-A 240
 - AAAD-A 301
 - AAAD-A 302
 - AAAD-A 304
 - AAAD-A 341
 - AAAD-A 343
 - AAAD-A 398

Three (3) credit hours in capstone, research or project course.

Race-Ethnic Studies

This certificate is for students who have completed an undergraduate degree and would like formal recognition of a proficiency in the field of Race-Ethnic Studies (see Minor in Race-Ethnic Studies). This certificate has wide appeal from educators to those in business.

Requirements

- Select one of the following
 - AAAD-A 150
 - AAAD-A 151
- CHRI-C 151 Minority People (3 cr.)
- Department of Minority Studies, must be distributed between Latino Studies and African American and African Diaspora Studies (12 cr.)

Modern Languages, Comparative Literature, and Linguistics

Phone: (219) 980-6714

Website: <http://www.iun.edu/modern-languages/>

French

The program in French embraces courses at all levels, elementary through advanced, and includes the culture and literature of France, Québec, and other Francophone regions of Africa and the Caribbean.

Major in French

The program in French embraces courses at all levels, elementary through advanced, and includes the culture and literature of France, Québec, and other Francophone regions of Africa and the Caribbean.

Requirements

- Courses above FREN-F 150 (30 cr.)
- Chosen among FREN-F 300, FREN-F 305, FREN-F 306, FREN-F 328, FREN-F 380, and FREN-F 391 (12 cr.)
- 400 level courses (9 cr.)
- Select one of the following
 - SPAN-S 100 (or a more advanced course taught in Spanish)
 - GER-G 100 (or a more advanced course taught in German)
 - ITAL-M 100 (or a more advanced course taught in Italian)
 - Select from the following list of culture options (3 cr.)
 - SPAN-S 230
 - SPAN-S 231
 - SPAN-S 240
 - SPAN-S 241
 - SPAN-S 251
 - SPAN-S 260
 - SPAN-S 284
 - SPAN-S 290
 - CDNS-C 101
 - CDNS-C 301
 - CDNS-C 350
 - CDNS-C 400
 - CDNS-C 495
 - CMLT-C 261
 - CMLT-C 340
 - LING-L 103

Minor in French

Minor in French Requirements (15cr.):

- FREN-F 200 and FREN-F 250 or equivalent earned through special credit
- 3 courses at the third-year or fourth-year level, taught in French

- Fourth-year level courses may only be taken with permission of instructor

Special Credit

Special credit may be awarded for the two highest courses a student tests out of (100, 150, 200, or 250), up to a maximum of 8 credits.

Foreign Study

Outstanding students who want to participate in a one-year academic program are encouraged to apply for the program offered in Aix-en-Provence, France. In addition, IU offers semester and summer programs in various locations throughout France and Canada. These programs can be used to fulfill requirements for the baccalaureate degree. For a description of all French program options visit: <http://overseas.iu.edu/programs/iuprograms/languages/french.shtml>.

Courses in English

The following courses are taught in English.

- FREN-F 309
- FREN-F 310
- FREN-F 311
- FREN-F 312
- FREN-F 341

No credit in French.

Spanish

The program offers courses at all levels, elementary through advanced, on the Spanish language and the cultures and literatures of Spain and Latin America.

Major in Spanish Requirements

- Courses above SPAN-S 150 (30 cr.)
- Chosen among SPAN-S 311, SPAN-S 312, SPAN-S 317, SPAN-S 323, SPAN-S 360, and SPAN-S 363 (12 cr.)
- 400 level courses (12 cr.)
- Select one of the following
 - FREN-F 100 (or a more advanced course taught in French)
 - GER-G 100 (or a more advanced course taught in German)
 - ITAL-M 100 (or a more advanced course taught in Italian)
- Select from the following list of culture options (3 cr.)
 - FREN-F 309
 - FREN-F 310
 - FREN-F 311
 - FREN-F 312
 - FREN-F 341
 - CMLT-C 261
 - CMLT-C 340
 - CDNS-C 101
 - CDNS-C 301
 - CDNS-C 350
 - CDNS-C 400
 - CMLT-C 460

- CDNS-C 495
- LING-L 103

- The Department of Modern Languages will accept one CHRI course that is cross-listed with Spanish and taken by students toward an A.A. in Latino Studies and apply it to the B.A. in Spanish toward completion of the required 30 credits of Spanish courses at the 200 level and above.

Minor in Spanish

Minor in Spanish Requirements (15cr.):

SPAN-S 200 and SPAN-S 250 or equivalent earned through special credit and three courses at the third-year or fourth-year level, taught in Spanish. Fourth-year level courses may only be taken with permission of instructor.

Special Credit

Special credit may be awarded for the two highest courses a student tests out of (100, 150, 200, or 250), up to a maximum of 8 credits.

Native Speakers

Students who are native speakers of Spanish must get permission from the department to enroll in any third-year or fourth-year level Spanish courses. Questions about the major or minor should be directed to the department chair.

Foreign Study

Qualified students who want to participate in a one-year academic program are encouraged to apply for the program offered in Madrid, Spain. In addition, IU offers programs in various locations throughout Spain and Latin America. Summer study programs are available in Bilbao and Salamanca, Spain. These programs can be used to fulfill requirements for the baccalaureate degree.

For a description of all Spanish program options: <http://overseas.iu.edu/programs/iuprograms/languages/spanish.shtml>.

Courses in English

The following Spanish courses are taught in English

- SPAN-S 230
- SPAN-S 231
- SPAN-S 240
- SPAN-S 241
- SPAN-S 251
- SPAN-S 260
- SPAN-S 284
- SPAN-S 290

No credit in Spanish.

German

Foreign Study

Qualified students who want to participate in a one-year program are encouraged to apply for the program offered in Freiburg, Germany. In addition, IU offers semester and summer programs in various locations throughout Germany and Austria. These programs can be used to fulfill requirements for the baccalaureate degree.

For a description of all German program options visit:
<http://overseas.iu.edu/programs/iuprograms/languages/german.shtml>.

Italian

Foreign Study

Qualified students who want to participate in a one-year program are encouraged to apply for the program offered in Bologna, Italy. In addition, IU offers semester and summer programs in various locations throughout Italy.

These programs can be used to fulfill requirements for the baccalaureate degree. For a description of all Italian program options visit: <http://overseas.iu.edu/programs/iuprograms/languages/italian.shtml>.

Canadian Studies

The Canadian Studies program gives students a better understanding of the diverse origins and multifaceted character of Canada. It gives direction and depth to the student's liberal arts education through a focus on Canada.

Minor in Canadian Studies

The minor in Canadian Studies consists of:

15 credit hours to include:

CDNS-C 101 Canadian Studies (3 cr.)
 CDNS-C 301 (3 cr.)

Select three of the following:

- CDNS-C 350 (3 cr.)
- CDNS-C 400 (3 cr.)
- CDNS-C 495 (3cr.)
- FREN-F 200 (3cr.)
- FREN-F 250 or equivalent (3cr.)

Total (15cr.)

Performing Arts

Phone: (219) 980-6810

Website: <http://www.iun.edu/performing-arts/>

Performing Arts

Performing arts provides academic curricula in music, theatre, and dance for students who seek to develop careers in these areas. Extensive performance programs provide practical experiences that complement classroom study.

Major in Theatre

The Department of Performing Arts (THTR) recognizes a symbiotic relationship between theatre production experience and classroom study. Requirements for the Major in Theatre are therefore distributed between practicum, production laboratory, and academic courses in the performing arts.

Requirements (39 cr.)

- THEATRE **CORE** courses (12 cr.)
 - THTR-T 120 Acting I (3 cr.)
 - THTR-T 228 Design for the Theatre (3 cr.)
 - THTR-T 340 Directing I (3 cr.) prerequisite THTR-T 120 and THTR-T 228 or consent of instructor

- THTR-T 490 Independent Study in Theatre and Drama (3 cr.) - must be a minimum 3 credit hour capstone project
- PRODUCTION EXPERIENCE (6 cr.)
 - THTR-T 168 Practicum (1-2 cr. per semester)
- LABORATORY EXPERIENCE (6 cr.)
 - Select two from the following:
 - THTR-T 225 Stagecraft I (3 cr.)
 - THTR-T 230 Costume Design and Technology (3 cr.)
 - THTR-T 335 Stage Lighting Design (3 cr.)
- HISTORY, LITERATURE, THEORY (6 cr.)
 - THTR-T 470 History of the Theatre I (3 cr.)
 - THTR-T 471 History of the Theatre II (3 cr.)
 - THTR ELECTIVE (9 cr.)
 - UPPER DIVISION COURSES IN MAJOR (300 level or above) (15 cr.)

Students are advised to determine an AREA OF CONCENTRATION in consultation with a principal teacher in their chosen area (acting, directing, design, stage management, technical production, dramaturgy, etc.)

Minor in Theatre

Requirements (15 cr.)

- Select one of the following
 - THTR-T 120 Acting I (3 cr.)
 - THTR-T 228 Design for the Theatre (3 cr.)
- THTR-T 168 Practicum (3 cr.)
- Select one of the following labs (3 cr.)
 - THTR-T 225 Stagecraft (3 cr.)
 - THTR-T 230 Costume Design and Technology I (3 cr.)
 - THTR-T 335 Stage Lighting Design (3 cr.)

Select one of the following History of the Theatre courses (3 cr.)

- THTR-T 470 History of the Theatre I (3 cr.)
- THTR-T 471 History of the Theatre II (3 cr.)
- THTR elective (3 cr.)

Music and Dance Program

The Department of Performing Arts offers coursework in a variety of Music and Dance Courses for students who wish to learn a new instrument, dance style, or further refine their skills.

Music courses include:

- MUS-M174 Music for the Listener (3 cr.)
- MUS-L101 Beginning Guitar (2 cr.)
- MUS-P100 Piano (1-4 cr.)
- MUS-V100 Voice (1-4 cr.)

Dance courses include:

- MUS-J100 Ballet (2 cr.)
- MUS-J200 Ballet (2 cr.)

- MUS-J305 Ballet for the Nondegree Student (3 cr.)
- MUS-J320 Pointe Technique (1 cr.)
- THTR-D115 Modern Dance (2 cr.)
- THTR-D140 Jazz Dance I (2 cr.)

Courses in Music and Dance

- MUS-M 174 is a music history and literature course
- Ensemble courses include
 - MUS-J 100 (3 cr.)
 - MUS-J 200 (3 cr.)
 - MUS-J 210 (3 cr.)
 - MUS-J 405 (3 cr.)
 - MUS-J 320 (3 cr.)
- Applied music courses include
 - MUS-P 100 (3 cr.)
 - MUS-V 100 (3 cr.)

Psychology

Phone: (219) 980-6680

Website: <http://www.iun.edu/psychology/>

About the Department of Psychology

The Department of Psychology offers a major in psychology leading to the B.A. degree and the B.S. degree, a major in psychology with a concentration in Women's and Gender Studies leading to the B.A. degree, a Masters in Clinical Counseling to help prepare students for work in Addictions Counseling, and provides course work for undergraduates who want to satisfy distribution requirements. As a science, psychology seeks to understand the basic principles by which living organisms adapt their behavior to the changing physical and social environments in which they live. The breadth of the discipline, with its links to the humanities, mathematics, and other social and natural sciences, encourages the development of broad problem-solving skills through exposure to experimental methodology and statistical analysis, and contributes to personal growth and the development of communication skills. Psychological knowledge, techniques, and skills obtained in the B.A. and B.S. programs are applied in many careers and provide background for students entering graduate work in psychology and related areas, as well as the professions of medicine, dentistry, law, and business.

Career opportunities for psychology majors at the bachelor's degree level exist in mental health clinics, social welfare agencies, government, personnel departments, and business and industry. A wider range of professional opportunities is open to those who complete master's or doctoral degrees. It is strongly recommended that prospective majors discuss their career objectives with a member of the Department of Psychology early so that appropriate course planning can be accomplished.

The Department of Psychology maintains a chapter of Psi Chi, the international honor society in psychology. With both academic and social interests, the chapter sponsors speakers, workshops, films, and field trips. Students interested in joining should contact the department chairperson.

Major in Psychology - Bachelor of Arts (B.A.)

Psychology Requirements (Va) (30 cr.)

- PSY-P 101 (3 cr.) prerequisites for all courses
- PSY-P 102 (3 cr.) prerequisites for all courses
- PSY-P 211 (3 cr.) prerequisites for all 400-level laboratory courses
- PSY-K 300 (3 cr.) prerequisites for all 400-level laboratory courses
- Area A
 - Select a minimum of 2 of the following
 - PSY-P 325 (3 cr.)
 - PSY-P 326 (3 cr.)
 - PSY-P 327 (3 cr.)
 - PSY-P 329 (3 cr.)
 - PSY-P 335 (3 cr.)
 - PSY-P 388 (3 cr.)
 - PSY-P 407 (3 cr.)
 - PSY-P 417 (3 cr.)
 - PSY-P 438 (3 cr.)
 - PSY-P 469 (3 cr.)

- Area B
 - Select a minimum of 2 of the following
 - PSY-B 322 (3 cr.)
 - PSY-P 303 (3 cr.)
 - PSY-P 314 (3 cr.)
 - PSY-P 316 (3 cr.)
 - PSY-P 319 (3 cr.)
 - PSY-P 320 (3 cr.)
 - PSY-P 324 (3 cr.)
 - PSY-P 336 (3 cr.)
 - PSY-P 339 (3 cr.)
 - PSY-P 389 (3 cr.)
 - PSY-P 425 (3 cr.)
 - PSY-P 430 (3 cr.)
- Select 1 from the following Advanced Laboratory Course which also satisfies the capstone requirement
 - PSY-P 421 (3 cr.)
 - PSY-P 426 (3 cr.)
 - PSY-P 429 (3 cr.)
 - PSY-P 435 (3 cr.)
- 300-400 level elective (3 cr.)

Total (30 cr.)

Students must also complete the general requirements of the College of Arts and Sciences.

Recommended In addition to meeting departmental and general requirements, the department suggests that psychology majors take supporting courses in mathematics and the natural sciences. We recommend the following courses for all majors: Introductory Biology and Introductory Chemistry. It is also important to obtain a broadly based education in the humanities, social sciences, and fine arts. Students should not concentrate all their electives in psychology or any other single subject area. Courses such as logic, philosophy, sociology, chemistry, and computer science are especially appropriate. Prospective psychology students and/or

majors are invited to discuss their interests with any member of the psychology faculty.

Major in Psychology - Bachelor of Science (B.S.)

Purpose The Bachelor of Science in Psychology degree provides students with a rigorous general background in the field of psychology and allied disciplines. The degree is designed for students who wish to prepare for graduate or professional school training in psychology or related fields. The more extensive requirements in biology, chemistry, mathematics, and physics have been selected to optimize the student's future opportunities.

Psychology Requirements (Va)

- PSY-P 101 (3 cr.) prerequisites for all courses
- PSY-P 102 (3 cr.) prerequisites for all courses
- PSY-P 211 (3 cr.) prerequisites for all 400-level laboratory courses
- PSY-K 300 (3 cr.) prerequisites for all 400-level laboratory courses
- Area A
 - Select a minimum of 3 of the following
 - PSY-P 325 (3 cr.)
 - PSY-P 326 (3 cr.)
 - PSY-P 327 (3 cr.)
 - PSY-P 329 (3 cr.)
 - PSY-P 335 (3 cr.)
 - PSY-P 388 (3 cr.)
 - PSY-P 407 (3 cr.)
 - PSY-P 417 (3 cr.)
 - PSY-P 438 (3 cr.)
 - PSY-P 469 (3cr.)
- Area B
 - Select a minimum of 2 of the following
 - PSY-B 322 (3 cr.)
 - PSY-P 303 (3 cr.)
 - PSY-P 314 (3 cr.)
 - PSY-P 316 (3 cr.)
 - PSY-P 319 (3 cr.)
 - PSY-P 320 (3 cr.)
 - PSY-P 324 (3 cr.)
 - PSY-P 336 (3 cr.)
 - PSY-P 339 (3 cr.)
 - PSY-P 389 (3 cr.)
 - PSY-P 425 (3 cr.)
 - PSY-P 430 (3 cr.)
- Select 1 from the following Advanced Laboratory Courses which also satisfies the capstone requirement
 - PSY-P 421 (3 cr.)
 - PSY-P 426 (3 cr.)
 - PSY-P 429 (3 cr.)
 - PSY-P 435 (3 cr.)
- Select 2 additional 300-400 level elective courses (6 cr.)

Allied Disciplines Requirements (Vb)

- BIOL-L 101 (4 cr.)

- BIOL-L 102 (4 cr.)
- CHEM-C 105 (3 cr.)
- CHEM-C 106 (3 cr.)
- CHEM-C 125 (2 cr.)
- CHEM-C 126 (2 cr.)
- Courses listed under the category Group IIIA at the 100 level or above (22 cr.)

In addition to the preceding courses, the student is responsible for fulfilling the general requirements of the Bachelor of Science degree as established by the College of Arts and Sciences.

Major in Psychology with a Concentration in Women's and Gender Studies

Purpose The Bachelor of Arts degree in psychology with a concentration in Women's and Gender Studies provides a solid background in applied and basic psychology along with a focus on and experiences in the psychology of women and women's issues.

Group Va Requirements including the following classes

- PSY-P 101 (3 cr.) prerequisites for all courses
- PSY-P 102 (3 cr.) prerequisites for all courses
- PSY-P 211 (3 cr.) prerequisites for all 400-level laboratory courses
- PSY-K 300 (3 cr.) prerequisites for all 400-level laboratory courses
- Area A
 - Select a minimum of 1 of the following
 - PSY-P 325 (3 cr.)
 - PSY-P 326 (3 cr.)
 - PSY-P 327 (3 cr.)
 - PSY-P 329 (3 cr.)
 - PSY-P 335 (3 cr.)
 - PSY-P 388 (3 cr.)
 - PSY-P 407 (3 cr.)
 - PSY-P 417 (3 cr.)
 - PSY-P 438 (3 cr.)
 - PSY-P 469 (3cr.)
- Area B
 - Select a minimum of 2 of the following
 - PSY-B 322 (3 cr.)
 - PSY-P 303 (3 cr.)
 - PSY-P 314 (3 cr.)
 - PSY-P 316 (3 cr.)
 - PSY-P 319 (3 cr.)
 - PSY-P 320 (3 cr.)
 - PSY-P 324 (3 cr.)
 - PSY-P 336 (3 cr.)
 - PSY-P 339 (3 cr.)
 - PSY-P 389 (3 cr.)
 - PSY-P 425 (3 cr.)
 - PSY-P 430 (3 cr.)
- Select 1 from the following Advanced Laboratory Courses which also satisfies the capstone requirement

- PSY-P 421 (3 cr.)
- PSY-P 426 (3 cr.)
- PSY-P 429 (3 cr.)
- PSY-P 435 (3 cr.)
- Select 2 Psychology courses focused on women's issues
 - PSY-P 460 (3 cr.)
 - PSY-P 432 (3 cr.)

Group Vb Requirements

- Select 1 Women's and Gender Studies core course
 - WGS-W 200 (3 cr.)
 - WGS-W 400 (3 cr.)
- Select 1 Practicum in Women's and Gender Studies of Psychology (if focus is on women's issues)
 - WGS-W 480 (3 cr.)
 - PSY-B 309 (3 cr.)

In addition to the preceding courses, the student is responsible for fulfilling the general requirements of the College of Arts and Sciences.

Minor in Psychology Requirements

Students who elect to minor in psychology must complete the following

- PSY-P 101 (3 cr.)
- PSY-P 102 (3 cr.)
- Select 3 additional courses in psychology at the 300 or higher level. (9 cr.)

Total (15 cr.)

Sociology and Anthropology

Phone: (219) 980-6789

Website: <http://www.iun.edu/sociology-anthropology/>

Sociology

The Department of Sociology and Anthropology offers its sociology curriculum to undergraduate students who want to pursue the systematic study of society from the microlevel (the individual in society) to the macrolevel (the study of institutions). The department offers its anthropology curriculum to undergraduate students who want to acquire a global perspective on the nature and origins of human cultural and biological diversity; different anthropology courses can be used as natural science, social science, or humanities electives. At the junior / senior level, some students may be eligible to enroll in independent study courses: (1) Individual Readings in Sociology and Anthropology (2) the Internship Program (where the student integrates a work experience with course work). Students graduating with a major in sociology or anthropology may enter graduate programs in sociology, anthropology, and social science; enter professional schools, such as law and social work; or enter careers requiring a bachelor's degree in the liberal arts. Both Sociology and Anthropology majors are encouraged to draw upon the resources of other departments in social and behavioral sciences, as well as the humanities and physical/natural sciences. Counseling

on programs and career choices is available within the department.

The Department of Sociology and Anthropology maintains a chapter of Alpha Kappa Delta International Sociology Honor Society (Iota of Indiana Chapter). Students are selected on the basis of excellence in research.

Major in Sociology Four-year Program

Requirements - Majors (30 cr.)

- SOC S161 (3 cr.)
- SOC S230 (3 cr.)
- SOC S261 (3 cr.)
- SOC S262 Methods (3 cr.) (quantitative)
- SOC S340 (3 cr.) capstone requirement
- Select any five additional sociology courses to include (15 cr.)
 - 300 or 400 level courses

Courses in the major cannot be used to satisfy Group III distribution.

Students must also complete the general requirements of the College of Arts and Sciences.

Emphasis Areas for Sociology Majors

With careful planning, students may be able to select courses that concentrate in one of two general emphasis areas:

The **Sociology** emphasis would include SOC S262, SOC S340, and additional courses that emphasize a theme such as:

- **deviance or inequality** - including
 - several courses from above section as electives
- **social organization** - including
 - several courses from above section as electives
- **medical sociology** - including
 - SOC S314 (3 cr.)
 - SOC S331 (3 cr.)
 - SOC S362 Medical Anthropology (3 cr.)
- **gender** - including courses such as
 - SOC S164 (3 cr.)
 - SOC S310 (3 cr.)
 - SOC S337 (3 cr.)
 - topics courses on gender (3 cr.)
- **family studies** - including courses such as
 - SOC S164 (3 cr.)
 - SOC S316 (3 cr.)
 - SOC S416 (3 cr.)
- **social movements** - including courses such as
 - SOC S311 (3 cr.)
 - SOC S418 (3 cr.)
 - SOC S419 (3 cr.)
- **qualitative / ethnographic methods**
 - Select one or both of the following

- SOC S254 (3 cr.)
- SOC S262 (3 cr.)

Major in Sociology with Concentration in Women's and Gender Studies

Requirements - Majors (30 cr.)

- Select four Basic Sociology courses
 - SOC S161 (3 cr.)
 - SOC S215 (3 cr.)
 - SOC S230 (3 cr.)
 - SOC S261 (3 cr.)
- SOC S262 Methods (3 cr.)
- Select one course from the following Deviance/Inequality courses
 - SOC S337 Women and Crime (3 cr.)
 - SOC S420 Topics in Deviance, when topic is women, such as Women and Deviance (3 cr.)
- Select one course from the following Organization courses
 - SOC S310 Sociology of Women in America (3 cr.)
 - SOC S410 Topics in Social Organization when topic is women, such as Women and Religion (3 cr.)
- SOC S340 (3 cr.)
- Select electives in areas of Sociology / Anthropology Women's and Gender Studies
 - Select two appropriate courses at the 300-400 level such as
 - SOC S337 (3 cr.)
 - SOC S420 (3 cr.)
 - SOC S310 (3 cr.)
 - SOC S410 (3 cr.) when topic is women or gender
 - SOC S495 Individual Readings and Research when topic is women (3 cr.)
 - SOC S398 Internship in Behavioral Sciences, when agency serves women, such as battered women's shelters, women's transitional houses, etc. (3 cr.)
 - SOC S362 Native American Women (3 cr.)

Outside Electives

- WOST 200 Introduction to Women's and Gender Studies (3 cr.)
- Select one WOST W400 course from the following
 - P460 / W400 Psychology of Women (3 cr.)
 - P432 / W400 Women and Madness (3 cr.)
 - Appropriate cross-listed courses from other disciplines (3 cr.)
- Students must also complete all the requirement for the regular B.A. in Sociology and College of Arts and Sciences B.A. general requirements.
- P432 / W400 Women and Madness (3 cr.)

Minor in Sociology

Requirements - Minors (15 cr.)

- SOC S161 (3 cr.)
- Select one from the following
 - SOC S163 (3 cr.)
 - SOC S164 (3 cr.)
 - SOC S230 (3 cr.)
- Select two 300 or 400 level sociology courses (6 cr.)
- Select any additional sociology course (3 cr.)

Students pursuing a minor may wish to select courses that emphasize a theme such as

- **deviance or inequality**
- **social organization**
- **medical sociology** - including
 - SOC S314 (3 cr.)
 - SOC S331 (3 cr.)
- **gender** - including two or three from
 - SOC S164 (3 cr.)
 - SOC S310 (3 cr.)
 - SOC S337 (3 cr.)
 - topics courses on gender (3 cr.)
- **family studies** - including two or three from
 - SOC S164 (3 cr.)
 - SOC S316 (3 cr.)
 - SOC S416 (3 cr.)
- **social movements** - including two or three from
 - SOC S311 (3 cr.)
 - SOC S335 (3 cr.)
 - SOC S418 (3 cr.)
 - SOC S419 (3 cr.)

Total (15 cr.)

Anthropology

Anthropology gives students a holistic understanding of human existence in an ecological, evolutionary perspective. It studies the interrelationships of human biology and human behavior, particularly that behavior which we call culture, both in the past and in the present. In its four traditional subfields of cultural anthropology, physical anthropology, archaeology, and linguistics, anthropology covers all the aspects of being human, making use of almost all of human knowledge. Anthropology is also the only discipline that focuses on the study of the origin and nature of human biological and cultural diversity. Courses in anthropology are thus of value to students in virtually all fields; they relate those disciplines to a broader view of humankind as a whole.

Major in Anthropology

Indiana University Northwest offers a joint B.A. Major in Anthropology in conjunction with Indiana University South Bend. The required classes are taught at both schools, so students can complete entirely at either campus. There is no requirement that students must take classes at both schools. At the same time, the faculty of each campus do have different specializations and offer different elective courses. Additionally the required classes may be offered in different semesters at the campuses. Students are free

to take classes at both schools and apply them to the major.

Requirements - Majors (33 cr.)

- ANTH A104 (3 cr.)
- ANTH A105 (3 cr.)
- E200 Cultural Anthro II (3 cr.)
- Choose two of these:
 - ANTH B300 Bioanthropology (3 cr.)
 - ANTH L300 Language and Culture (3 cr.)
 - ANTH P200 Archaeology (3 cr.)
- Select 1 of the following Research Methods Courses
 - SOC S262
 - SOC S250 (3 cr.)
- ANTH A360 capstone requirement (3 cr.)
- Select 1 400-level Seminar Experience course such as
 - ANTH E400 (3 cr.)
 - ANTH E445 (3 cr.)
 - ANTH B400 (3 cr.)
 - ANTH B466 (3 cr.)
 - Or others to be offered
- Select any 3 elective courses in Anthropology (9 cr.)
- Any course can fulfill only one of the requirements listed above
- 15 credit hours of the courses taken in the major must be at the 300 level

Total (33 cr.)

Minor in Anthropology Requirements - Minor (15 cr.)

Select 5 (3 cr.) courses including

- ANTH-A 104 (3 cr.)
- ANTH-A 105 (3 cr.)
- Select at least 1 course from the following:
 - ANTH-B 300 (3 cr.)
 - ANTH-E 200 (3 cr.)
 - ANTH-L 300 (3 cr.)
 - ANTH-P 200 (3 cr.)
- Select at one 300- or 400- level course in addition to any used to satisfy the above requirements. (3 cr.)
- Select any one more 3 cr. Anthropology course

Courses

- Anthropology
- Sociology

Women's and Gender Studies

Phone: (219) 980-6714

Website: <http://www.iun.edu/women-and-gender-studies/>

About the Women's and Gender Studies Program

Women's and Gender Studies is an interdisciplinary program focusing on the importance of gender as a category of social analysis. Women's and Gender Studies courses consider gender systems across cultures,

examining the way those systems develop, function, and change. Women's and Gender Studies draws upon a variety of academic disciplines.

A Women's and Gender Studies minor, Certificate in Women's and Gender Studies, or Bachelor of Arts degree with a major in Psychology or Sociology and a concentration in Women's and Gender Studies provides a valuable foundation for students entering the workforce. Women's and Gender Studies courses will benefit those who enter jobs in business, education, nursing, and public affairs, as well as those who study traditional fields such as history, social work, sociology, psychology, the arts, and literature. Most of the courses in the program satisfy distribution requirements.

Minor in Women's and Gender Studies

Requirements - (15 cr.)

The Minor in Women's and Gender Studies consists of a minimum of 15 credit hours, distributed as follows: 6 credit hours of core courses and 3 credit hours from Women in Diverse Cultures, 3 credit hours from Women in the Social Sciences, and 3 credit hours from Women in the Humanities.

Core courses

- Either W200 Women in American Society (3 cr.) OR

W201 Women in American Culture (3 cr.) (students cannot get credit for both)

AND

- W400 or W401 Topics in Women's and Gender Studies (3 cr.)

The remaining 9 credit hours should be selected from the Electives.

Electives

- Women in Diverse Cultures (3 cr.)
 - WGS-W301 Global Perspectives of Gender (3 cr.)
 - WGS-W 301 International Perspectives on Women (3 cr.)
 - AFRO-A 210 Women in the African Diaspora (3 cr.)
 - AFRO-A 406 Literature by American Women of Color (3 cr.)
 - AFRO-A 410 The Black Woman and the Afro-American Experience (3 cr.)
 - SPAN-S490 Topic: The Latino Woman (3 cr.)
 - CMLT-C 340 Women in World Literature (3 cr.)
 - SPAN-S 284 Women in Hispanic Culture (3 cr.)
 - SPAN-S 470 Women in Hispanic Literature (3 cr.)
 - WGS-W 302 Issues in Women's and Gender Studies: The Afro-Caribbean Experience (3 cr.)
- Women in the Social Sciences (3 cr.)
 - WGS-W 300 Topics in Women's and Gender Studies (3 cr.)

- WGS-W400 Topics in Women's and Gender Studies (3 cr.)
- WGS-W400 Topics in Women's and Gender Studies: Women and Crime (3 cr.)
- WGS-W400 Topics in Women's and Gender Studies: Gender and Corrections (3 cr.)
- WGS-W 480 Women's and Gender Studies Practicum (3 cr.)
- AFRO-A 210 Women in the African Diaspora (3 cr.)
- AFRO-A 410 The Black Woman and the Afro-American Experience (3 cr.)
- SPAN-S 490 Topic: The Latino Woman (3 cr.)
- SPAN-S 470 Women in Hispanic Literature (3 cr.)
- SOC-S 310 The Sociology of Women in America (3 cr.)
- SOC-S 337 Women and Crime (3 cr.)
- SOC-S 410 Topics in Organization: Women and Work (3 cr.)
- SPCH-S 450 Gender and Communication (3 cr.)
- SPCH-S 427 Cross-cultural Communication (3 cr.)
- SPEA-V 450/V 550 Inside Out Prison Exchange Offender Re-entry (3 cr.) (when topic is women or gender)
- Women in the Humanities (3 cr.)
 - WGS-W 207 Women in Literature (3 cr.)
 - WGS-W 302 Issues in Women's and Gender Studies: Afro-Caribbean Experience (3 cr.)
 - WGS-W302 Issues in Women's and Gender Studies: Black Feminist Perspectives (3 cr.)
 - WGS-W302 Issues in Women's and Gender Studies: Gender and Sexuality in Art (3 cr.)
 - WGS-W302 Issues in Women's and Gender Studies: Gender in French Cinema (3 cr.)
 - WGS-W401 Issues in Women's and Gender Studies: Literature by Women of Color (3 cr.)
 - WGS-W401 Issues in Women's and Gender Studies: Modern American Women (3 cr.)
 - WGS-W302 Issues in Women's and Gender Studies: Women's Human Rights (3 cr.)
- AFRO-A 406 Literature by American Women of Color (3 cr.)
- CMLT-C 340 Women in World Literature (3 cr.)
- ENG-L 201 Films by Women (3 cr.)
- ENG-L 207 Women in Literature (3 cr.)
- ENG-L 249 Gender and Sexuality in Literature (3 cr.)
- ENG-L 295 American Film Culture (3 cr.) (When topic is women/gender)
- ENG-L 381 Recent Writing (3 cr.) (When topic is women/gender)
- ENG-L 440 Seminar in English and America Literature (3 cr.) (When topic is women/gender)
- SPAN-S 470 Women in Hispanic Literature (3 cr.)
- AFRO-A 370 Recent Black American Writing (3 cr.) (when topic is women/gender)

- HIST-B 305 History of the Sexual Revolution (3 cr.)

Additionally there is another minor offered in English with a concentration in WGS. More information about it can be found <https://www.iun.edu/english/degrees/minors-in-english.htm>.

The course taken to fulfill the requirement of Women in Diverse Cultures cannot be used to fulfill the requirements in Women in the Social Sciences and Women in the Humanities.

*See English Department website for English and Women's and Gender Studies (ENG/WGS) Minor core courses and electives. [schools/coas/departments/english/wgs-english-minor](https://www.iun.edu/schools/coas/departments/english/wgs-english-minor)

Undergraduate Certificate in Women's and Gender Studies

The Certificate offers students a focused program in an interdisciplinary course of studies dealing with women's experiences, issues related to gender, gender identity, roles and relationships, and the impact of these elements on life and society. The Certificate is open to both degree-seeking and non-degree-seeking students. Many professionals in business, psychology, social services, medical, and legal professions find that training in Women's and Gender Studies enhances the practice of their profession.

Students may enter the program in two different ways. Degree-seeking and non-degree-seeking students should contact the WGS Director. They will then discuss the student's career goals and needs and select a set of courses that will best satisfy those goals. Degree-seeking students should be in good standing within the university and have a minimum GPA of 2.0.

Requirements - (18 cr.)

- Core Courses (6 cr.)
 - W200 or W201 (3 cr.)
 - W480 (3 cr.)
- Select courses across 3 categories (12 cr.)
 - Women in Diverse Cultures
 - Women in the Social Sciences
 - Women in the Humanities
- At least 9 credit hours of the certificate must be completed on the Indiana University Northwest campus.
- Students are required to obtain a grade of C or better for all courses used in the Certificate.
- Students may receive either a minor or Certificate in Women's and Gender Studies, but not both.

Bachelor of Arts in Psychology - Concentration in Women's and Gender Studies

Purpose

The Bachelor of Arts degree in psychology with a concentration in Women's and Gender Studies provides a solid background in applied and basic psychology along with a focus on and experiences in the psychology of women and women's issues.

Requirements (36 cr.) including the following classes

- PSY-P 101 (3 cr.) prerequisites for all courses
- PSY-P 102 (3 cr.) prerequisites for all courses
- PSY-P 211 (3 cr.) prerequisites for all 400-level laboratory courses
- PSY-K 300 (3 cr.) prerequisites for all 400-level laboratory courses
- Area A
 - Select a minimum of 2 of the following
 - PSY-P 325 (3 cr.)
 - PSY-P 326 (3 cr.)
 - PSY-P 327 (3 cr.)
 - PSY-P 329 (3 cr.)
 - PSY-P 335 (3 cr.)
 - PSY-P 407 (3 cr.)
 - PSY-P 417 (3 cr.)
- Area B
 - Select a minimum of 2 of the following
 - PSY-P 314 (3 cr.)
 - PSY-P 316 (3 cr.)
 - PSY-P 319 (3 cr.)
 - PSY-P 320 (3 cr.)
 - PSY-P 324 (3 cr.)
 - PSY-P 336 (3 cr.)
 - PSY-P 389 (3 cr.)
 - PSY-P 425 (3 cr.)
 - PSY-P 430 (3 cr.)
- Select 1 from the following Advanced Laboratory Courses which also satisfies the capstone requirement
 - PSY-P 421 (3 cr.)
 - PSY-P 424 (3 cr.)
 - PSY-P 429 (3 cr.)
 - PSY-P 435 (3 cr.)
- Select two psychology courses focused on women's issues
 - PSY-P 460 (3 cr.)
 - PSY-P 432 (3 cr.)
- Select one Women's and Gender Studies core course from the following
 - WGS-W 200 (3 cr.)
 - WGS-W 400 (3 cr.)
- Select one practicum in Women's and Gender Studies or psychology from the following
 - WGS-W 480 (3 cr.)
 - PSY-B 309 (3 cr.) (if focus is on women's or gender issues)

Total (36 cr.)

In addition to the preceding courses, the student is responsible for fulfilling the general requirements of the

B.A. degree as established by the College of Arts and Sciences.

Bachelor of Arts in Sociology - Concentration in Women's and Gender Studies

The Bachelor of Arts degree in sociology with a concentration in Women's and Gender Studies provides a solid background in sociology along with a focus on the sociology of women and gender issues.

Requirements - (30 cr.)

- SOC S161
- SOC S230
- SOC S261
- Select one Methods course from the following
 - SOC-S 262
 - SOC-S 254
- Select one Deviance / Inequality course from the following
 - SOC-S 337 Women and Crime
 - SOC-S 420 Topics in Deviance (when topic is women or gender, such as Women and Deviance)
- Select one Organization course from the following
 - SOC-S 310 Sociology of Women in America
 - SOC-S 410 Topics in Social Organization (when topic is women and gender, such as Women and Religion)
- Select one Theory course from the following
 - SOC-S 340
- Select elective courses in areas of sociology / anthropology / Women's and Gender Studies
 - Select two appropriate additional courses at the 300-400 level from the following
 - SOC S337
 - SOC S420
 - SOC S310
 - SOC S410
 - and / or any of S495 Individual Readings and Research when topic is women or gender
 - S398 Internship in Behavioral Sciences, when agency serves women, such as shelters for battered persons, women's transitional houses, etc.

Total (30 cr.)

Outside Electives

- WGS-W 200 Introduction to Women's and Gender Studies
- Select one WGS-W 400 course such as
 - PSY-P 460 Psychology of Women
 - SPCH-S 450 Gender and Communication
 - AFRO-A 410 The Black Woman and the Afro-American Experience
 - Appropriate cross-listed courses from other disciplines

Total (30 cr.)

In addition to the preceding courses, the student is responsible for fulfilling the general requirements of the B.A. degree as established by the College of Arts and Sciences.

General Studies

Administrative Officers

Mark Hoyert, Ph.D., *Dean*
 Nelson De Leon, Ph.D., *Director*
 Georgia Kontos, B.A., *Assistant Director* Kevin Ballard,
 M.B.A., *Project Coordinator*

General

The Bachelor of General Studies (BGS) is a liberal arts degree, without a specific major. It provides students with a broadly based multidisciplinary education, while emphasizing the liberal arts and sciences. Students are required to complete three Major Areas of Learning, an Area of Concentration, and both Arts and Science and general electives. The program allows the student the option to utilize professional and technical courses as electives. The student takes an active role in customizing a Plan of Study that will form the basis for achieving personal and career goals.

It is possible to design an academic program that fits you. It is possible to complete your studies in a variety of ways.

The B.G.S. degrees consist of two parts: (1) course work that must be done in broad categories, called "required areas of learning," and (2) course work that can be done in any school, division, or program of the university, called "elective credit." The three required areas of learning are arts and humanities, science and mathematics, and social and behavioral sciences. They provide students with a broad exposure to the humanities and the sciences. Electives permit students to explore other areas of interest and to tailor the degree to their individual needs.

Admission

General Admission Requirements

The general studies degree programs are open to all qualified high school graduates or individuals with the appropriate General Educational Development (GED) certificate.

For information how to apply for any of the programs in General Studies please contact office of Admissions.

Academic Standards

Course requirements:

- Minimum of 120 credit hours and overall Indiana University grade point average of 2.0 is required for graduation
- Minimum of 30 Indiana University credit hours
- Minimum of 20 credits hours residency, after admission to the General Studies program, with a GPA of 2.0
- Maximum of 21 credit hours in a single Arts & Science subject area and 30 credit hours in a professional school

- Minimum of 30 credit hours of upper level (300/400) courses
- Minimum grade of C- in Major Areas of Learning and Area of Concentration
- Competencies to include the following
 - ENG W131 – Elementary Composition
 - SPCH S121 – Public Speaking
 - Intensive writing
 - Math M100 or higher (not including M117)
 - Computer science
 - Science course with a lab
 - Diversity class
 - Capstone

Awards and Distinctions

Scholastic Honor Society

Omicron Sigma Delta is a liberal arts scholastic honorary society based on the same criteria as those used by the prestigious national honorary scholastic society, Phi Beta Kappa. Candidates are selected on the basis of high scholarship and good character.

Graduation with Distinction

The General Studies Program recognizes outstanding performance in coursework by awarding degree with three levels of distinction. In order to graduate with distinction, students must have 60 graded IU credit hours.

The levels of distinction, which are printed on the IU diploma, are determined by the following grade point averages:

- 3.50-3.74 distinction
- 3.75-3.89 high distinction
- 3.90-4.00 highest distinction

Required Areas of Learning

Areas

- Arts and Humanities
- Capstone Experience
- Electives
- Science and Mathematics
- Social and Behavioral Sciences

The subject fields grouped under the three areas of learning follow. Similar subject fields from other colleges and universities may be applied toward fulfilling the area requirements.

Science and Mathematics

- Anatomy and physiology
- Astronomy
- Biology
- Biochemistry
- Chemistry
- Computer Science
- Data processing and information systems
- Geography
- Geology
- Mathematics

- Microbiology
- Physics

Other disciplines may qualify to fulfill the areas of learning and concentration. Please check with a General Studies advisor.

Arts and Humanities

- Afro-American Studies
- English
- Fine arts
- History
- Foreign language courses
- Minority studies
- Philosophy
- Religious studies
- Speech and communication
- Theatre and drama

Other disciplines may qualify to fulfill the areas of learning and concentration. Please check with a General Studies advisor.

Social and Behavioral Sciences

- Afro-American studies
- Anthropology
- Economics
- Geography
- Political science
- Psychology
- Sociology
- Speech and communication

Other disciplines may qualify to fulfill the areas of learning and concentration. Please check with a General Studies advisor.

Electives

Students may select any of the courses offered by Indiana University or other schools to fulfill elective requirements. Students are encouraged to consult with their advisors and to concentrate their elective course work in subject fields related to their primary academic interest, a second area of expertise, and personal interests. Students are also encouraged to focus their learning by selecting minors available from the College of Arts and Sciences, the School of Business and Economics, and the School of Public and Environmental Affairs.

Capstone Experience

The General Studies Degree Program requires course work leading to a capstone experience. Completing a capstone experience enables you to demonstrate accomplishments in undergraduate education. It allows you to apply both academic and real-world experiences to the principles of undergraduate learning, thereby enabling you to understand the educational philosophy of a multidisciplinary education. Contact your general studies advisor for details.

Online BGS

General Studies, BGS - IU Northwest

Bachelor Of General Studies - Online

The Online Bachelor of General Studies provides a multidisciplinary course of study that fulfills traditional university requirements in liberal arts and sciences while enabling you to meet your specific goals. It is a fully accredited, broad-based liberal arts degree without a specific major.

As a student in the program, you must complete requirements in three learning areas: arts and humanities, science and mathematics, and social and behavioral sciences. In consultation with your academic advisor, you also complete electives that allow you to tailor your general studies degree to your individual needs. You receive a broad range of skills and knowledge that can further your current career and/or prepare you for professional programs or graduate school. To graduate with the Online BGS degree, you must complete the same requirements as those for the on-campus BGS degree. For additional degree requirements, please refer to the General Studies program section.

Your IU Northwest Online BGS degree prepares you for an infinite variety of careers.

As an IU Online student, you will receive personalized help and counseling in:

- Financial aid, including help finding and applying for loans and scholarships
- Math and writing tutoring

Application

Please see Admissions.

What's it like to take a program online?

- **Earn a quality education**

With the online degree programs, Indiana University Northwest gives you the opportunity to receive a top-quality education when you want it, where you want it. The faculty who teach our online courses are the same exceptional faculty who teach those courses on our campuses. Whether you're looking for an undergraduate education or want to continue advancing your career with a graduate degree, IU Northwest's Online's degree program options have something for everyone.

- **Flexibility**

Online learning gives you the flexibility and freedom to attend your classes whenever and wherever is most convenient for you. You can save time and money by being able to continue to work and by avoiding relocation or travel costs. You will be required to complete assignments in a certain timeframe, but in most instances, you can log in and complete coursework during the time of day that works best for you. Classes aren't tied to a certain time or day.

- **Service you expect from a leading University**

Online learners at IU Northwest have access to the same student services available to on-campus students. We're committed to providing you with the quality educational experience students have come to expect and desire from Indiana University, without needing to make sacrifices to the other commitments in your life.

Degree Requirements

Students in the BG program can obtain a bachelor degree, a second bachelor degree or a certificate (30 credit hour) degree. Requirements for all three are given below.

Bachelor of General Studies (B.G.S.) Requirements

Major Areas of Learning

- Arts & Humanities (12 credit hours in at least 2 disciplines)
- Science & Math (12 credit hours in at least 2 disciplines)
- Social & Behavioral Sciences (12 credit hours in at least 2 disciplines)
- Area of Concentration

Students must select one of the three major areas of learning (Arts & Humanities, Science & Math or Social & Behavioral) and take an additional 18 credit hours in at least 2 disciplines

Electives

66 credit hours total (with a minimum of 15 credit hours in the Arts & Sciences)

Total (120 cr.)

Other Requirements

Students must meet the 120 credit hour graduation requirement of the B.G.S. degree by satisfying the following:

1. At least 69 credit hours of course work in the arts and sciences must be completed. no more than 21 of these credits may be taken in a single arts and sciences department or subject area.
2. No more than 30 of 51 credit hours allowed for course work outside the arts and sciences may be taken in any one school or technical program. (No more than 27 credit hours from the School of Business and Economics)
3. At least 30 credit hours of course work of the required 120 credits must be taken within the Indiana University campuses.
4. At least 20 credit hours of course work applied to the B.G.S. degree must be taken after the student is admitted to the General Studies Degree Program. These should be IU credit hours.
5. At least 30 credit hours of the required 120 credit hours must be taken at the upper-division level. Upper-division course work is numbered in the 300s and 400s.
6. In order to apply courses to the required areas of learning, a grade of C- or higher must be achieved in IU courses.
7. In order to graduate, a student must have a General Studies Degree Program and Indiana University grade point average of at least 2.0.

Certificate in General Studies Requirements

The Certificate of General Studies is a 30-credit program emphasizing the liberal arts and sciences. Students

are required to take 6 credit hours each in the following areas: arts & humanities, science & math and social and behavioral sciences and 12 credit hours in electives. English composition and public speaking are also required.

Requirements for a Second Bachelor's Degree

Normally, the holder of a baccalaureate degree who wishes to pursue a further educational goal is encouraged to become qualified for admission to a graduate degree program. In certain cases, however, a student may be admitted to candidacy for the B.G.S. degree.

After admission to the General Studies Degree Program, bachelor's degree candidates must earn

- At least 30 credit hours of the required 120 from Indiana University if they have not previously earned credit from the Indiana University system
- A minimum of 20 credit hours acceptable for the B.G.S. degree after admission to the General Studies Degree Program
- All requirements for the Bachelor of General Studies degree

Recognition of Previously Earned Credit

Many students in the General Studies Degree Program have previously earned academic credit at Indiana University or at other institutions. They may also be eligible for credit by examination or for the award of credit for college-level learning gained through life experiences (self-acquired competency or portfolio credit). Please see an academic advisor for more details.

Credits from Indiana University

Please see the BGS academic advisor for detail on credit by examination.

Credits Eligible for Transfer from Institutions Other than Indiana University

A maximum of 90 credit hours at an institution other than Indiana University can be applied to the B.G.S. degree, provided that grades are at least C. In order for transfer credit to be applied to any of the required areas of learning, courses taken must be equivalent in nature to those offered by Indiana University in these areas. Courses taken at another institution in which the student received the grade of C- or below will not be transferable for credit. In addition, there is a 64 credit hour maximum for courses applied toward the B.G.S. degree from community/associate's colleges.

Students who have been dismissed from another postsecondary institution cannot be admitted to the General Studies Degree Program until at least one calendar year has passed since the date of dismissal.

University regulations require that the admissions office indicate on the credit transfer report any deficiencies in grade point average (grade point average below 2.0 on a 4.0 scale) at another institution.

Credit by Examination at Other Institutions

If the transcript indicates credit by examination, and if students do not enroll in sequential courses to validate their knowledge in the subject matter, credit will be granted only on the basis of review by the appropriate academic department of Indiana University.

Credits Awarded for Educational Programs in Noncollegiate Organizations

Where relevant to the academic program sponsored by the General Studies Degree Program, the Program will consider the evaluation and credit recommendations of the two publications below as a guide in awarding credit to persons who have successfully completed noncollegiate or in- company sponsored instruction:

- American Council on Education, *The National Guide to Educational Credit for Training Programs*
- University of the State of New York, *A Guide to Educational Programs in Noncollegiate Organizations*

Credit for Self-Acquired Competencies (SAC)

The General Studies Degree Program recognizes that students do gain college-level knowledge and understanding through various life experiences that are equivalent to the subject matter of specific courses in the university curriculum or that may be recognized as general elective credit. Students who believe themselves eligible for such credit are encouraged to accelerate their college programs by discussing their background in detail with the General Studies Degree Program advisor.

Transfer of Self-Acquired Competencies Credit within the Indiana University System

Self-acquired competencies credit awarded by the faculty of one Indiana University campus is recorded and explained on the permanent record of the student in the system-wide office. The student should be aware, however, that such credit would not necessarily be honored by other degree programs of Indiana University or by other institutions.

Transfer of Self-Acquired Competencies Credit from Other Institutions

Up to 15 hours of the possible credit toward the B.G.S. degree will be awarded for self-acquired competencies previously recognized by other accredited postsecondary institutions. Additional hours of self-acquired competencies credit from other institutions must be reviewed in the same manner as other Indiana University self-acquired competencies credit. The total amount (transfer and IU) is 30 credit hours. Please consult the BGS advisor for details.

Military Service and Law Enforcement Credit

Veterans of military service and military and law enforcement personnel on active duty are eligible for academic credit as a result of their training and experience. The General Studies Degree Program follows the provisions of the American Council on Education's *Guide to Evaluation of Educational Experiences in the Armed Services* in granting credit. Copies of official discharge, separation papers, certificates of completion (in-service schools), or transcripts must be submitted as a basis for granting credit. Consult the BGS advisor for detail.

Bachelor of Applied Science

The Bachelor of Applied Science (BAS) is an interdisciplinary degree designed for students who have completed an Associate of Applied Science (AAS) degree and who would benefit from a Bachelor's degree for career or personal advancement. The BAS gives students the unique opportunity to apply sixty of their technical AAS credits to an Indiana University bachelor's degree. Since the credits accumulated in these types of programs do not readily transfer to traditional baccalaureate programs, the BAS degree was designed to provide students with an opportunity to advance their professional skills. The BAS is a very flexible degree. Every student could design his or her own program of study. Students will work closely with an academic advisor to select a set of classes that best fits his or her individual needs. Not only can students build a unique curriculum that aligns with his or her educational and career goals, but students can complete the degree while taking only classes on campus, taking only classes offered online, or any combination of the above. The BAS degree is a joint degree program by all five IU-managed regional campuses. The joint degree format permits the campuses to share faculty resources and thereby provide educational opportunities to students in their regions that those students might not otherwise have. Students may take BAS courses from any of the five campuses and have those courses apply to their BAS degree at their home campus.

Admission

The Bachelor of Applied Science is a degree-completion program, and all incoming students must have an Associate of Applied Science (AAS) degree from a regionally accredited community college. This degree is not available for traditional freshmen. Please speak with an advisor if you have any questions.

Degrees Awarded with Distinction

The Bachelor of Applied Science Program recognizes outstanding performance in course work by awarding degrees with three levels of distinction: distinction, high distinction, and highest distinction. In order to graduate with distinction, students must have at least 60 graded IU credit hours towards the BAS degree. (Pass/fail and self-acquired competency credits and courses not applicable to the degree such as remedial courses are not counted in calculating the number of credit hours.) Courses with S grades (not self-acquired competency) are counted in these 60 hours.

The levels of distinction, which are printed on both the student's transcript and the IU diploma, are determined by the overall cumulative grade point average of each graduating class and generally approximates the following GPAs:

- 3.50-3.74 distinction
- 3.75-3.89 high distinction
- 3.90-4.00 highest distinction

Required Areas of Study

The curriculum consists of 120 credit hours (60-64 of those are transferred in from an accredited community college). The courses are divided between four specific sets of courses:

- General education courses (can be taken at IU Northwest or transferred in)
- Applied science courses (transferred from an accredited community college)
- Required BAS Core Courses (18 credits from required competencies)
- Required track courses
- Electives

Currently, there are two available tracts: 1) Health Management and 2) Interdisciplinary. Using the Interdisciplinary Tract, you can create your own program designed to meet the goals of the individual student. In addition, several other tracts may be added. Please see a General Studies advisor (980-6828) for more information and for a complete curricular mapping of each concentration. Consult the website for program updates at www.iun.edu and search BAS Program.

Required Courses

Course requirements fall into five categories, and are defined by student learning outcomes.

1. **General Education** (varies by campus) 30 - 42 hours

Using the Statewide General Education Core as the basis, campuses will retain their own general education curriculum. Some campuses require more than the 30 hours in the SGEC. However, many AAS degree-holders will have earned 9 – 15 credit hours in general education as part of their AAS degree, and those courses are expected to count toward the general education requirements of each campus.

2. **Applied Science Courses** (transferred in from an AAS degree) 48 - 51 hours
3. **BAS Core (required)** 18 hours

Students take courses that meet the following learning outcomes:

1. Demonstrate knowledge and skills in accounting and bookkeeping.
2. Demonstrate knowledge and skills in economics.
3. Demonstrate knowledge and skills in legal, ethical, social, and/or international topics.
4. Demonstrate knowledge and skills in supervision.
5. Demonstrate knowledge and skills in marketing.
6. Demonstrate knowledge and skills in communication.

4. BAS Track (one required) 12 hours

Students must select either the Health Care Management track or the Individualized track.

The Health Care Management track is designed to appeal to individuals who hold an AAS degree in one of the many health care fields (such as Medical Assisting, Health Care Support, Paramedic Science, and Medical Laboratory Technology).

In this track, students take courses that meet the following learning outcomes:

1. Compare and contrast the U.S. health-care system, including reimbursement, with other systems around the world.
2. Demonstrate an understanding of the ethical, legal, financial, and political factors that influence the provision of health services in the U.S.
3. Evaluate access to and cost of US health care, including reimbursement practices, for different types of care.
4. Effectively assess and implement improvements in clinical care, customer service, and human resource planning in a health care setting.
5. (Capstone) Integrate knowledge and skills and apply to health management issues or challenges.

The Individualized track is a highly flexible track designed to meet the needs of many different AAS degree holders. For example, a student with an AAS in Criminal Justice who wants to advance his or her career in criminal justice might design a track to include upper-division courses in Criminal Justice, Public Affairs, or (if he or she works with youth offenders and their families) Sociology and Psychology. A student with an AAS in Design Technology who wishes to change careers might select courses in web development and graphic design. A student with an AAS in Advanced Manufacturing who has a goal of becoming a supervisor or manager might choose courses emphasizing human resource development, communication, and other management skills.

In this track, students select 12 hours of courses based on their individual interests, backgrounds, and needs. One of these courses will be a required capstone course. The learning outcomes for this track are as follows:

1. Demonstrate the ability to think critically in the fields studied.
2. Effectively present central ideas, issues, and methods of inquiry specific to the fields studied.

Apply knowledge and skills from general education, the BAS core, and the Individualized Track to issues or challenges in their area of technical expertise.

5. Electives 0 - 12 hours

Courses counted toward the concentration must be taken for a letter grade. Students must maintain an overall GPA of 2.0 or higher. As per IU campus policy, at least 30 hours must be at the 300 level or higher.

Administrative Officers

Mark Hoyert, Ph.D., *Dean*

Nelson De Leon, Ph.D., *Director* Kevin Ballard, M.B.A., *Project Coordinator*

Graduate

Administrative Officers

Mark S. Hoyert, Ph.D., *Dean*
 Nelson H. De Leon, Ph.D., *Associate Dean* David Klamen, M.F.A., *Associate Dean*
 E. Naomi Palagi, M.L.S., *Academic Advisor and Adminsitrator*
 Scooter Pegram Ph.D., *Director of MLS Program*
 Mary Ann Fischer, Ph.D. *Chair, Department of Psychology*

Website: www.iun.edu/coas/

Phone: (219) 980-6789

Overview

The College of Arts and Sciences offers two Masters degree programs: a Master of Liberal Studies (M.L.S.) and a Master of Science in Clinical Counseling with a Specialization in Drug and Alcohol Counseling (M.S.C.C.).

Master of Science in Clinical Counseling with Specialization in Drug and Alcohol Counseling

The Master of Science in Clinical Counseling with Specialization in Drug and Alcohol Counseling (M.S.C.C.) program is designed for students who wish to prepare for careers and licensure in the field of addictions treatment. Drug and alcohol addictions remain one of the most vexing problems facing the region, the state, and society in general. While addictions are powerful and can have harmful consequences, they respond well to treatment. Unfortunately, there exists a shortage of therapists who are prepared with graduate-level knowledge and skills in addictions treatment. The M.S.C.C. Program is designed to provide this background. Students will gain basic knowledge about pharmacology, abnormal psychology, theories of addictions, and treatment options. Students will develop and practice counseling skills and learn how to evaluate treatment methods and techniques. Graduates will be able to work in this rewarding field and will be able to pursue licensure.

Master of Liberal Studies

The Master of Liberal Studies (M.L.S.) program is unique. It does not provide a rigid schedule of courses or focus on one particular specialty. It is inherently interdisciplinary. It is designed for students who love to learn new ideas and discuss them with others. It is designed for students who are curious about the world – about art, literature, science, politics, human nature and history. It is for people who want to explore new worlds and who enjoy meeting others who want to join the expedition. It is designed for students who wish to combine several academic areas into one tailored degree program. Students select a sequence of graduate level courses to create their own path of study. It allows students to explore questions of enduring concern and contemporary urgency in the arts, humanities, behavioral sciences, social sciences, life sciences, and physical sciences. In doing so, the program provides students with opportunities to engage their curiosity in an intellectual exploration of the world of ideas. The rewards of the pursuit of knowledge go beyond intellectual satisfaction. Students will gain fresh perspectives and will hone the creative, critical thinking,

decision making, analytical, and communication skills that are so valued in today's workplace. Uniquely among graduate programs, the M.L.S. helps students understand the broader context of their ideas, path of study, and fields of work, learn to analyze problems from a variety of perspectives, will stimulate students to find connections between their studies and their personal and professional lives, and encourages a lifelong commitment to learning, free inquiry and the life of the mind.

Policies and Procedures

The general regulations and policies detailed in this bulletin apply to all students in the college's graduate and post-baccalaureate programs.

General Scholarship Rule

Any student who does not possess the necessary preliminary training or who lacks other qualifications may be required by the college to enroll in such courses designated by the college or other corrective actions as is necessary or desirable. The college may review a student's record at any time and take whatever actions seem necessary for the best interest of that student or the college. Any student whose work is unsatisfactory or whose conduct is unethical may be dismissed from the college.

Academic Regulations

Students must have their programs of study approved by the program director.

Courses at the 300 or 400 level that are available to be taken for graduate credit as a graduate level class will include additional assignments beyond those required for undergraduate credit. Enrollment in such courses requires the approval of the instructor and of the program director. It is sometimes possible for a student to take a graduate level course at IUN or elsewhere that can count as an elective in the graduate program; permission for this must be given by the program director before the student registers. Students who have graduate course credits before they enroll in one of the graduate programs may have some credits transferred into the program, but such transfers of credits will not be considered until the student has demonstrated satisfactory progress in their current program. Courses used for another degree or certificate cannot also be used to satisfy graduate program requirements.

An average grade of B (3.0) is required for graduation, and no course with a grade lower than B-(2.7) will be counted toward the degree. Students are required to retain good academic standing, i.e., to maintain a GPA of at least 2.7. Failure to maintain good standing may result in dismissal from the program. Students whose GPA falls below 3.0 are considered to be on probation; they must earn at least a B- in each of their next two classes with a 3.0 GPA in those two classes in order to continue in the program. Other academic regulations and policies are established by the Graduate Studies Committees of the College of Arts and Sciences. Students should consult their program director for further information.

Master of Science in Clinical Counseling

Admission

Students are admitted to the Master of Clinical Counseling program by the MSCC Admissions Committee of the Psychology Department. To be considered for admission, students must hold a bachelor's degree from an accredited institution and an undergraduate grade point average of at least 3.0. GRE scores are recommended. Students with a GPA slightly below 3.0 who are returning to college with relevant work experience in a health or human services agency may be considered. The goal is to select applicants who can successfully complete graduate study and work successfully in the field of addictions counseling.

Curriculum

A. Drug and Alcohol Addictions Counseling Core Courses- (24 cr.)

- PSY - P535 Introduction to Addictions Counseling (3 cr.)
- PSY - P641 Assessment (3 cr.)
- PSY - P538 Professional Issues in Addictions Counseling (3 cr.)
- PSY - I501 Multicultural Counseling (3 cr.)
- PSY - P562 Advanced Skills in Counseling (3 cr.)
- PSY - P556 Group and Family Counseling (3 cr.)
- PSY - P662 Advanced Life-Span Development(3 cr.)
- PSY - P667 Neuropsychopharmacology (3 cr.)
- PSY - P624 Principles of Psychopathology (3 cr.)

B. Practica – must complete 9 credit hours

- PSY - P694 Internship in Counseling Psychology

C. Electives

- PSY- I521 Introduction to Applied Behavior Analysis (3 cr.)
- PSY - P631 Intervention and Evaluation (3 cr.)
- PSY - P634 Advanced Survey of Community Psychology (3 cr.)
- PSY - P898 Master's Degree Research (3 cr.)
- Phil - P694 Biomedical Ethics (3 cr.)
- SPEA -V562 Public Program Evaluation (3 cr.)

Master of Liberal Studies

Admission

Students are admitted to the Master of Liberal Studies program by the M.L.S. Committee of the College of Arts and Sciences. To be considered for admission, students must hold a bachelor's degree from an accredited institution and should have obtained an undergraduate grade point average of at least 3.0. Students with a GPA slightly below 3.0 for a recent degree may be admitted on probation, as well as students with a lower GPA who are returning to college after a long absence with a fresh motivation to learn. Students admitted on probation must earn at least a B- in each of their first two classes with a 3.0 GPA in order to continue in the program. The goal is to select applicants who can successfully complete

graduate study and for whom the MLS program will prove to be enriching.

Academic Curriculum

The M.L.S. requires the completion of at least 11 courses (minimum of 33 credits). Early in their programs, students take a proseminar as introduction to graduate liberal studies and interdisciplinary methodology, and at least three core seminars, one each in the humanities, the sciences, and the social sciences. Seminars combine detailed study of a particular topic with a broad interdisciplinary examination of ways of understanding. The M.L.S. program draws on faculty with diverse expertise to explore topics through a multidisciplinary approach. The program is designed to allow students flexibility to fashion a course of study that blends their interests, talents and experience. Students, under guidance of their faculty advisor, may choose graduate courses and seminars in a variety of disciplines within the College of Arts and Sciences. If the student chooses, the program can culminate with a thesis or alternative project that will grow out of the information and methodologies acquired throughout the course work.

Proseminar (required)

- LIBS D510 Introduction to Graduate Liberal Studies (3 cr.)

Core Seminars (all three required)

Each of the core courses is a graduate seminar combining detailed study of particular topics with broad interdisciplinary perspectives. These courses give students the opportunity to explore the connections that exist among the diverse discipline and perspectives that define contemporary knowledge. Students may repeat core seminars (each may be taken up to two more times with a different topic).

- LIBS D501 Humanities Seminar Core Seminar (3 cr.)
- LIBS D502 Social Sciences Seminar Core Seminar (3 cr.)
- LIBS D503 Science Seminar Core Seminar (3 cr.)

Electives (no specific requirements)

Electives offer students a wide variety of choices with which to create programs of study suited to their individual interest. These elective courses may be selected to build support and background for the graduate project, or to enable students to more ably participate in the public intellectual, artistic, and cultural life of their communities.

- LIBS D511 M.L.S. Humanities Elective (3 cr.) may each be repeated (with different topics) as many times as needed to complete the students' goals
- LIBS D512 M.L.S. Social Science Elective (3 cr.) may each be repeated (with different topics) as many times as needed to complete the students' goals
- LIBS D513 M.L.S. Science Elective (3 cr.) may each be repeated (with different topics) as many times as needed to complete the students' goals
- LIBS D514 Graduate Liberal Studies Overseas Study (max 6 cr.)

- LIBS D594 Liberal Studies Directed Readings (max 6 cr.)
- LIBS D596 Liberal Studies Independent Research (max 6 cr.)
 - M.L.S. students may take no more than a total of 6 credit hours of D594 and D596 combined.
- LIBS D501 Humanities Seminar Core Seminar (3 cr.)
- LIBS D502 Social Sciences Seminar Core Seminar (3 cr.)
- LIBS D503 Science Seminar Core Seminar (3 cr.)

Independent Research / Creative Activity Option

The Independent Research/Creative Activity Option offers students the opportunity to work closely with a faculty committee and to complete a final project designed around their unique interests. Students must take 12 credits of electives and then successfully complete their program with a graduate project. The graduate project is an independent scholarly enterprise in which the student demonstrates mastery of a specific topic. Examples include a thesis, a computer program, a translation of a work of literature, or an artistic composition or performance.

Requirement

- LIBS D601 M.L.S. Project Proposal Seminar (3 cr.)
- LIBS D602 Graduate Project (3-6 cr.)

Public Intellectual Option

Upon completion of two additional core seminars and 12 credits of electives, the Public Intellectual Option offers students the opportunity to work within a learning community made up of other students and led by a faculty facilitator to explore the variety of genres through which public intellectuals communicate, and to create their own portfolio of public intellectual work to be submitted for completion of the M.L.S. degree. The public intellectual coursework must be taken at IU Northwest.

Requirement

- LIBS D600 Public Intellectual Practicum (3 cr.)

Postbaccalaureate Certificates

The College of Arts and Sciences offers postbaccalaureate certificates in three areas: [Community Development and Urban Studies](#) (contact Department of Minority Studies at 219-980-6629), [Computer Information Systems](#) (contact Department of Computer Information Systems at 219-980-6638), and [Race-Ethnic Studies](#) (contact Department of Minority Studies at 219-980-6629). The certificates are designed for mature students seeking career changes, career development, or lifelong learning objectives. The postbaccalaureate certificate options are open to anyone holding a bachelor's degree from an accredited college or university. Students will receive instructions in the major certificate subject area and selected courses in Arts and Sciences related areas.

The complete range of academic counseling, career counseling, and placement services are available to postbaccalaureate certificate students (consult the *IU Northwest Undergraduate Bulletin* for details)

English Graduate Coursework

The selection of courses for graduate programs in English at Indiana University Northwest must be done with departmental graduate counselors in the School of Education.