Shaheen College of Arts & Sciences Graduate Programs Catalog

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Overview of Graduate Shaheen Arts & Sciences Programs

The Shaheen College of Arts & Sciences offers master’s degrees for eligible graduate students seeking professional achievement or personal enrichment in the liberal arts.

Students may earn a Master of Science degree in Anatomical Sciences, Anthropology, Human Biology, or Life Sciences, or a Master of Arts degree in Applied Sociology, Art, English, History, International Relations, International Relations, or Social Practice Art.

Mission of Shaheen College of Arts & Sciences Graduate Programs
The Shaheen College of Arts & Sciences graduate programs educate students through coursework in their academic specializations; promote professional development through professional practice opportunities; and foster personal enrichment through participation in a community of learners. These programs recognize differing goals and needs of students, who engage in further learning at a pace that suits student needs. The broad liberal arts goal of understanding and appreciating diverse cultures and heritages undergirds each graduate program.

Accreditations & Memberships
The University of Indianapolis is accredited by the Higher Learning Commission to award master’s degrees.

The Master of Arts degree program in Art is accredited by the National Association of Schools of Art and Design.

All other programs follow the guidelines as set by the professional associations in their disciplines.

General Information

Admission Requirements
In order to receive graduate credit at UIndy, students must be admitted to the graduate program to which they apply. The office of Graduate and Adult Learning Enrollment oversees the application and admission processes for Shaheen College of Arts & Sciences. They can be reached at gradadmissions@uiindy.edu.

Regular Admission
International students, visit this page for more information.

For regular admission to a graduate program of the Shaheen College of Arts & Sciences, the applicant must:

- submit a transcript showing a baccalaureate degree from a regionally accredited institution in the United States, or submit a WES course-by-course evaluation showing the equivalent of a baccalaureate degree for students applying from outside the United States. All undergraduate coursework must be documented by transcripts or course-by-course evaluation. Students must demonstrate an undergraduate cumulative grade point average as established by the program.
- submit a general (not subject-specific) Graduate Record Examination (GRE) score or acceptable substitute exam to the program when required:
  - All students applying to the graduate degree programs in Anthropology, Anatomical Sciences, Human Biology, History, and International Relations must take the GRE.
  - The Art, Social Practice Art and Applied Sociology programs do not require the GRE. In place of the GRE, Art requires a portfolio of work from each applicant.
  - English only requires the GRE if the applicant’s undergraduate GPA is less than 3.2 on a 4.0 scale. English requires a writing sample.
- complete the online application for the appropriate program. You may apply online for any of our
programs by visiting this page.

- submit an application fee as specified by the program (may be submitted with your online application).
- submit three letters of recommendation. At least two (and preferably all three) of the letters should come from academic sources. The online application will have information regarding the submission of the letters.

Submission of supplemental information may be required by individual programs. Please refer to the online application for additional admission requirements.

A student who does not meet the above criteria may petition for provisional admission.

*Please consult the individual program section in the catalog for specific admission requirements.*

**Application Deadlines**

The deadline for completed applications to the MS program in Anthropology for fall admission is February 15.

The deadline for completed applications to the MS program in Human Biology for fall admission is January 15.

The deadline for completed applications to the MA programs in Applied Sociology, Art, English, History, and International Relations for Semester I is July 15. For Semester II, the deadline is November 1. Applications to begin the History program in a summer session must be received by May 15. Applications are accepted after these dates and will be considered for available openings in the programs.

**Regular Admission for International Students**

If you are an international student whose native language is not English and you seek regular admission to one of the graduate programs in the Shaheen College of Arts & Sciences, you must:

- complete all of the above-listed admission requirements;
- provide a Test of English as a Foreign Language (TOEFL) score of at least 100 on the Internet-based test, or provide an International English Language Testing System (IELTS) score of at least 7;
- provide original certification of finances (students applying for visas only). For applicants who need a student visa, we require assurances that you have adequate funds to support yourself during your anticipated two years of study. Annual costs for these programs can be found by visiting this page;
- provide photocopy of passport. (This is needed to ensure that the I-20 information is accurate).

**Evaluation of Foreign Educational Credentials**

Because universities around the world differ, we require this evaluation as an assurance that you have completed the U.S. equivalent of a bachelor’s degree. Photocopies are not acceptable for this portion of your application material. We require a course-by-course credential evaluation. Following is a list of agencies that offer this service and are acceptable:

World Education Services, Inc.
P. O. Box 5087
Bowling Green Station
New York, NY 10274-5087
1-212-966-6311 | [www.wes.org](http://www.wes.org)

International Consultants of Delaware, Inc.
P.O. Box 8629
The University reserves the right to require additional academic documents.

**Admission as Non-Degree Student**
A student who wishes to take courses for credit but not pursue a degree may be admitted as a non-degree-seeking student. A student is limited to 12 credit hours once admitted as non-degree. Students enrolled at another accredited graduate school and wanting to transfer credits earned at the University of Indianapolis back to the home institution may be admitted by meeting the requirements for non-degree admission. In order to apply for non-degree admission, a student must:
- complete the application for graduate students and select the non-degree seeking option for the program of your choice.
- provide transcripts of all previous college work.
- submit a brief statement of intent, explaining purpose and goals.
- submit an application fee as specified on the application.

Before a student is allowed to register for courses as a non-degree student, she or he must have permission from the director of the program in which the courses are being taught. This is required for each semester and course for which the student enrolls.

**Transfer Credit**
*Graduate students may transfer up to 12 hours; the specific number is determined by program* -- please consult your program advisor. All transferred work must carry a minimum grade of B (3.0) and have been completed within the five years prior to application for admission or during the five-year period allowed for completion of the graduate program. Transfer of credit for work done prior to degree candidacy must be approved by the program’s director. After admission to candidacy, permission to do graduate work off campus must be approved in advance by the dean. Transfer credit will not be accepted until the student has achieved degree candidacy. No credit is given for work done by correspondence or on a pass/fail basis.

**Financial Information**
Tuition and fees are listed in current class schedules and on this page. Class schedules may be obtained in person in the Office of the Registrar or at the same web page.

Students should consult directly with the Office of Financial Aid, 1-800-232-8634 or (317) 788-3217, concerning student loans. Information may also be obtained through the Financial Aid website. Information about graduate assistantships may be obtained from the program directors.


“The University of Indianapolis has provided numerous opportunities for me since my arrival. The small class sizes, individual attention from professors, and diverse assortment of course offerings have made my education unique, personal, and profitable.” —Molly Schiel, Human Biology graduate student
Housing
A recent addition to graduate housing on campus is Greyhound Village, designed for graduate students and upperclassmen. A section of the complex is earmarked specifically for our graduate population. More information on this convenient living environment can be found at www.greyhoundvillage.com. There are many apartment complexes near campus. A convenient guide to available housing can be obtained by calling the Apartment Renter’s Hotline at 1-800-876-0288 and asking for the Indianapolis Renters Guide.

Registration, Advising & Time Limitations
Arts and Sciences graduate programs are available on a part-time or full-time basis, depending on course availability and program requirements. An exception is the Human Biology Program, which is a full-time program only. To be considered a full-time graduate student, a student must enroll for a minimum of nine hours. Each student is assigned a faculty advisor in his or her area of specialization. Course selection should be made in consultation with the faculty advisor. Shaheen College of Arts & Sciences graduate students are able to register electronically with their student i.d. after advising has taken place. Should there be a problem processing registration, students may request assistance from Jenny M. Witcher (witcheri@uindy.edu) in the office of the Dean of the Shaheen College of Arts & Sciences. The Office of the Registrar establishes procedures and times for enrollment. Graduate students are required to enroll according to the times published in the appropriate Schedule of Classes for a given term.

Once course enrollment is completed, classes can be changed by completing a drop/add form with the necessary signatures in the office of the Dean of the Shaheen College of Arts & Sciences; please make note of deadlines for dropping and adding courses. Students may obtain information from that office concerning specific program requirements, graduate project or thesis options, graduation procedures, and transcripts.

Students are expected to complete degree requirements within five years from the time of initial enrollment unless extraordinary circumstances preclude completion. If such circumstances occur, the student must petition for an extension of the time period. For further information, contact the office of the Dean of the Shaheen College of Arts & Sciences.

Academic Standing
In order to remain in good standing as a degree candidate, a student must maintain a grade point average of 3.0 (B) in courses that apply to his or her program major. A student becomes probationary when he or she fails to maintain an average of at least 3.0 (B). A student on probation will be evaluated by a committee from the department and may be required to withdraw from the program.

Academic Integrity
University of Indianapolis students are expected to adhere to the ideal of academic integrity in all academic work. Academic honesty and respect for the work of others are considered inviolable tenets of an institution of higher education.

Plagiarism and cheating are contrary to the ideal of academic integrity and are not tolerated. Plagiarism is defined as presenting the work of someone else as one’s own. Cheating is defined as dishonesty of any kind in connection with assignments or examinations and applies to both giving and receiving unauthorized help.

Students guilty of plagiarism or cheating are subject to disciplinary action that may include failure in the course involved or expulsion from the University. The disciplinary action is dependent on the judgment of the instructor and the provost.

Some faculty members encourage collaborative work and make assignments that require cooperative effort. Authorized collaboration should not be confused with plagiarism or cheating.

Regulations concerning academic misconduct are described in detail in the Student Handbook, available from the Office for Student Affairs.
Repeating a Class
Students may repeat classes under the following guidelines.
- In repeating a course in which a grade of C+ or below was earned, only the second grade is computed into the grade point average. The grade and the hours for the first class are no longer calculated, and the class cannot be used to fulfill any additional requirement, even when the first grade is higher than the second.
- A course must be repeated prior to taking a sequential course in order for the first grade to be taken out of the grade point average calculation.
- Students can earn credit only once for a course and cannot earn duplicate credit for repeated courses. (Exceptions are noted in course descriptions, such as those for special-topics courses.)
- All courses taken and all grades earned are recorded on the student’s permanent record with appropriate notations.

It is the student’s responsibility to note on the registration form that a course is being repeated. Failure to do so may result in subsequent problems with meeting degree requirements.

Thesis Option
Please consult your program director for details about completion of a thesis, comprehensive exams or other cumulative work.

Graduation Requirements
- Students must complete the total number of credit hours and requirements as specified by the degree program.
- A student must maintain a grade point average of 3.0 (B).
- No grade below a 2.7 (B-) will be accepted for graduate credit or will count toward graduation.
- Students have a maximum of 5 years to complete their degrees.
  - Exceptions to policy can be made at the discretion of the Program Director and Dean.
  - Students must be enrolled in extensions every fall and spring if a thesis is required and after all other coursework is completed.

Commencement
The University of Indianapolis conducts commencement ceremonies each spring. Students completing degree requirements during the Summer Session following commencement may participate in the spring ceremony but will obtain their diplomas after Summer Session. Those completing graduation requirements in December may obtain their diplomas in January but may participate in the commencement ceremony the following spring.

For more information about the University of Indianapolis, visit www.uindy.edu
Shaheen Arts & Sciences: Anatomical Sciences

Graduate Anatomical Sciences

The Biology Department at the University of Indianapolis offers a Master of Science degree in Anatomical Sciences. The curriculum is designed to prepare promising students for professional programs in the biomedical sciences. The program emphasizes rigorous training in small class, personal interaction with faculty, and hands-on learning.

Anatomical Sciences Faculty

Kevin Gribbins (PhD, University of Cincinnati, 2003); Assistant Professor of Biology: histology, comparative anatomy, herpetology. gribbinsk@uindy.edu

John H. Langdon (PhD, Yale, 1984); Professor of Biology and Anthropology, Director of the Anatomical Sciences Program: functional and evolutionary anatomy, neuroscience, human evolution. langdon@uindy.edu

Stephen P. Nawrocki (PhD, SUNY-Binghamton, 1992, DABFA, 1996); Sease Distinguished Professor of Forensic Studies, Professor of Biology, Director of the Graduate Human Biology Program: forensic age estimation, taphonomy, postmortem interval, biostatistics, comparative anatomy. snawrocki@uindy.edu

Dean A. Wiseman (PhD, Purdue 2004): Assistant Professor of Biology: physiology, spelunking. wisemand@uindy.edu

David Wolfe (MS, Louisville, 2004); Instructor of Biology: anatomy, physiology, biomechanics. wolfed@uindy.edu

Admission Requirements

- Completed bachelor’s degree;
- Prior completion of a minimum of eight courses in the natural sciences. Ideally, these should include 2 semesters of general biology, 2 semesters of general chemistry, anatomy (human or vertebrate), and physiology;
- A minimum cumulative undergraduate grade point average of 3.0 on a 4.0 scale;
- Minimum scores of 150 on both the verbal and quantitative sections of the GRE general test and 4.0 on the writing portion.

Required Application Materials

Apply at [http://www.uindy.edu/graduate/new.php](http://www.uindy.edu/graduate/new.php).

- Completed application to the MS program in Anatomical Sciences.
- A typed personal statement outlining career goals, and reasons for applying to the program.
- A current résumé or curriculum vitae listing prior work and volunteer experience, research experience, special training, publications, and presentations.
- Three reference letters. Please choose individuals who are familiar with your academic performance. If the letters are mailed, these individuals should mail them directly to the Shaheen College of Arts and Sciences.
- Official transcripts showing all undergraduate and graduate coursework.
- Official GRE (or MCAT or DAT) and TOEFL scores (if relevant) submitted by the testing agencies.
- A $30 application fee (checks are to be made out to the University of Indianapolis).

All materials must be submitted by July 15. We encourage prospective students to contact the Program Director for assistance and advice. A visit and personal interview are welcomed.
Program Requirements and Policies

- A minimum of 30 graduate hours must be completed. Up to eight of these hours may be taken outside of the Biology Department as applicable and if approved by the student’s advisor and the program director. An applicable 400-level undergraduate course taught at the University of Indianapolis may be allowed to count toward the graduate degree if a similar course is not available at the graduate level and if it has not already been applied to an undergraduate degree.
- Required hours will include the following courses: Gross Anatomy I and II, Human Physiology, Histology, and Neuroscience.
- All students must register for course credit each semester (exclusive of summer sessions) or else must formally petition the program director for a temporary leave of absence.
- Additional policies applicable to all graduate students in the College of Arts & Sciences at the University of Indianapolis are outlined at the beginning of this catalog.

Course Descriptions

Please consult your advisor before registering for classes.
Courses are offered as follows:
Y = Every year
O = Every other year
SI = Semester I
SII = Semester II
D = On sufficient demand

BIOL 504 Gross Anatomy. A regional anatomy course with full human cadaver dissection. The course is available to health care professionals and qualified graduate students. Prerequisites: 1 course in human or vertebrate anatomy with dissection or 2 courses in combined human anatomy and physiology with dissection, each with a grade of B or higher. 6 credit hours (Y)

BIOL 505 Human Physiology. A comprehensive course dealing with the cellular, neuromuscular, and endocrine functions of the human body. The emphasis of the course is on the relationship of structure to function. Prerequisites: 1 course each in biology and chemistry. 4 credit hours (Y)

BIOL 509 Advanced Pathophysiology. Provides a comprehensive scientific background for the evaluation of clients in various health care settings. Students will analyze the relationship between normal physiology and the disease state. A brief review of normal physiology and anatomy is included, as well as the pathophysiology of selected disorders and diseases. Prerequisites: Prior coursework in human anatomy, animal or human physiology, and organic chemistry. 3 credit hours (Y)

BIOL 510 Gross Anatomy I. A regional gross anatomy course dealing with full human cadaver dissection. This course is available to qualified graduate students. Fulfills the anatomy & physiology core area in Human Biology. Prerequisite: one semester of undergraduate human or vertebrate anatomy with dissection OR two semesters of combined anatomy and physiology with dissection, each with a grade of B or higher and enrollment in a relevant graduate program or by permission. 4 credit hours (Y)

BIOL 511 Gross Anatomy II. Continuation of Gross Anatomy I. Prerequisite: Gross Anatomy I. 4 credit hours (Y)

BIOL 512 Comparative Anatomy. A survey of the evolution, structure, and adaptations of the major living and extinct classes of vertebrates, with regular comparisons to human anatomy as appropriate. Lab exercises include wet dissection, examination of preserved and dry animal specimens, and low-level microscopy. Prerequisite: 1 course in anatomy, zoology, organismal biology, or osteology. 4 credit hours (O)
BIOL 515  Neuroscience. The anatomy of the central nervous system from a functional perspective.  
Prerequisite: 1 course in human anatomy, or BIOL 504. 4 credit hours (Y)

BIOL 516  Histology. An in-depth examination of the structure and function of vertebrate tissues. Emphasis will be on developing laboratory skills, slide preparation, and microphotography. Prerequisite: 1 course in human or vertebrate anatomy with dissection, or cell biology. 3 credit hours (Y)

BIOL 522  Molecular Biology. A study of the molecular processes involved in gene function and the regulation of cell activities. Topics covered include the mechanisms of DNA, RNA, and protein synthesis in bacteria and eukaryotes, mutation and repair, regulation of gene activity, and recombinant DNA methods. Prerequisites: 1 course each in genetics, biology, and chemistry. 4 credit hours (O)

BIOL 528  Human Genetics. An introduction to core concepts in human genetics, including DNA structure and function, Mendelian inheritance, single-gene and complex traits, genetic disorders, gene therapy, DNA fingerprinting, and population genetics. Prerequisites: 1 course each in biology and chemistry. 3 credit hours (O)

BIOL 540  Biology of Cancer. An examination of the genetic changes and molecular events that lead to abnormal cell growth and cancer. Topics covered include oncogenes, tumor suppressor genes, angiogenesis, invasion and metastasis, cancer stem cells, therapeutic approaches for cancer treatment, and cancer prevention. Prerequisites: 1 course in genetics. 3 credit hours (O)

BIOL 541  Cancer Biology Lab. Students will use molecular and cellular techniques to conduct research projects that examine the hallmark characteristics of cancer cells. One scheduled laboratory per week with additional independent laboratory time as needed. Prerequisite: 1 course in genetics and concurrent enrollment in BIOL 540. 2 credit hours (O)

BIOL 545  Evolutionary Theory. An examination of current issues in evolutionary biology. Prerequisite: 1 course in evolutionary biology or biological anthropology. 3 credit hours (D)

BIOL 550  Human Variation. An examination of human physical and behavioral variation, with special emphasis on adaptation, heritability, microevolutionary processes, demography, and the concept of race. Prerequisite: 1 course in biological anthropology or evolutionary biology, or BIOL 528. 3 credit hours (O)

BIOL 551  Human Biology and Culture. An examination of human biocultural interactions as reflected in their ecology, nutrition, reproduction, demography, disease, and social practices. Prerequisite: 1 course in anthropology or BIOL 550. 3 credit hours (O)

BIOL-551  Evolutionary Medicine. An interpretation of health and disease issues from an evolutionary perspective. The courses will discuss the ecology of symbiotic interactions, coevolution of humans and pathogens, the impact of changes in the natural and cultural environment on health and disease, and an evolutionary and ecological perspective on reproductive health and population fertility. Prerequisite: Prior familiarity with principles of evolution and ecology is assumed.

BIOL 556  Human Evolution. A broad study of aspects of human evolution, including evolutionary theory, fossil and archaeological evidence, aspects of comparative anatomy, behavior, and ecology, and the genetics and variation of modern human populations in order to reconstruct the biological and cultural prehistory of our species. Prerequisite: 1 course in biological anthropology or evolutionary biology. 3 credit hours (Y)

BIOL 557  Paleoanthropology. An examination of current developments and issues in human evolution. Prerequisite: 1 course in human evolution. 3 credit hours (O)
BIOL 558 Human Osteology. An in-depth examination of the human skeletal system with an emphasis on systematic variability. Such issues as bone growth, histology, pathology, and forensic anthropology are addressed. **Prerequisite:** 1 course in human anatomy. 4 credit hours (O)

BIOL 559 Comparative Osteology. A laboratory-based survey of the hard tissue morphology and adaptations of the major living classes of vertebrates, including fish, amphibians, reptiles, birds, and mammals. **Prerequisite:** 1 course in human or vertebrate anatomy with dissection, or 1 course in human osteology. 3 credit hours (O)

BIOL 583 Teaching Anatomy & Physiology. Students hone their college-level teaching skills while under the mentorship of a qualified instructor. Work may include developing lesson plans, delivering lectures, preparing prosections, and assisting in labs. Students may receive credit more than once for this course, but no more than 3 credit hours can count towards the graduate degree. Normally, payment cannot be received for work completed under the auspices of this course. **Prerequisite:** successful completion of either BIOL 504, 505, 512, or 515. Graded: S/U. 1 to 3 credit hours (D)

BIOL 560-567 Special Topics. Special topics courses include directed readings and small group discussions on a focused topic of interest. Students may receive credit more than once for these courses if a different topic is covered each time. 1 to 4 credit hours (D)

- BIOL 560 Topics in Anatomy
- BIOL 561 Topics in Physiology
- BIOL 562 Topics in Evolution
- BIOL 563 Topics in Ecology
- BIOL 564 Topics in Osteology
- BIOL 565 Topics in Systematics
- BIOL 566 Topics in Animal Behavior

BIOL 585 Research in Biology. Students design and complete a research project in consultation with a faculty member. Students may receive credit more than once for this course, but no more than four credit hours can count towards the graduate degree. **Prerequisite:** consent of the student’s Advisor. 1 to 4 credit hours (D)

BIOL 599 Independent Study in Biology. The student engages in advanced study or a research project in a selected area of interest. Students may receive credit more than once for this course, but no more than four credit hours can count towards the graduate degree. **Prerequisite:** consent of the student’s Advisor. 1 to 4 credit hours (D)

For more information about Anatomical Sciences, email Dr. John Langdon at langdon@uindy.edu.
Shaheen Arts & Sciences: Anthropology
Graduate Anthropology

Anthropology is a broad academic field with four primary subfields (Cultural Anthropology, Biological Anthropology, Anthropological Linguistics, and Archeology).

Our program seeks to provide opportunities for students to maximize academic and technical skills in the sciences of Anthropology and Archeology via outstanding classroom, lab, and field experiences. The program emphasizes two areas—Bioarcheology and Archeology. The Bioarchaeology track offers a concentration in Molecular Anthropology. A faculty anthropologist directs each track, and all work together to conduct the program’s business. While the Program Director serves as a point person, program level decisions such as admission, graduation, and discipline are made collectively.

The program is intended for highly motivated and talented students who plan to become professional archeologists or to continue to doctoral study. The curriculum is founded on anthropological and archeological theory and hands-on training, which students apply to their research. The program also offers exposure to cutting-edge technology and encourages its students to be active members of the professional scientific community. The distinguishing characteristics of the program are that it simultaneously emphasizes all of the following points:

- Students learn a cultural perspective. At Ulndy, this approach is three-tiered and draws on three major epistemological bases:
  - material culture studies
  - biocultural studies
  - comparative ethnology
- Coursework highlights current anthropological and evolutionary theory, particularly the application of theory to interpreting and explaining biological and archeological data.
- The program stresses population level studies, particularly on bones and DNA; analyses focus on intra- and interpopulation comparisons.
- The program emphasizes lab and field experiences in archeology. Entering students are expected to be involved from the outset and to participate in active lab and field research.
- The program underscores geosciences training by merging anthropology with field methods derived from geography and geology, an approach that greatly expands our field training capabilities.
- We expect students to contribute to professional presentations and peer-reviewed publications as lead and co-authors. Students are trained as members of professional and academic communities and are expected to make direct contributions to those communities while at Ulndy.
- We offer students a well rounded graduate experience that combines training in three of the major components of archeology—geoarcheology, biology (bioarcheology and molecular anthropology), and anthropology (anthropological archeology).

Students have access to two labs, each designed to facilitate archeological research. The Indiana Prehistory Laboratory houses materials suitable for bioarcheology research. The Geoarcheology Laboratory is where students gain training in archeology field work. The Molecular Anthropology Laboratory is available to students pursuing the molecular anthropology concentration.

Anthropology Faculty
Christopher W. Schmidt (PhD, Purdue University, 1998); Professor of Anthropology: Dental anthropology, dental texture analysis, bioarcheology, analysis of burned human remains, cut mark analysis, Eastern Woodlands bioarchaeology. cschmidt@uindy.edu

Christopher R. Moore (PhD, University of Kentucky, 2010); Associate Professor of Anthropology and Physics/Earth Space Science: Paleoindian and Archaic archeology, colonial Mission Period archeology, Midwestern archeology, Southeastern archeology, bone and stone tool studies, archeological theory.
moorecr@uindy.edu

Alyson O’Daniel (PhD, University of Kentucky 2010); Assistant Professor of Anthropology: ethnography of North America; medical anthropology; social and political contexts of health; poverty and inequality. odaniela@uindy.edu

Camilo Sanz (PhD, University of California, Davis 2016); Assistant Professor of Anthropology: oncology and chemotherapy, clinical time and rhythm, dying and palliative care, toxicokinetics, health insurance companies, Colombia and Latin America. sanzc@uindy.edu

Krista E. Latham (PhD, Temple University, 2008; DABFA, 2015); Associate Professor of Anthropology and Biology: DNA analysis; molecular anthropology; human identification. lathamke@uindy.edu

Gregory A. Reinhardt (PhD, UCLA 1986; Professor of Anthropology; Chair, Department of Anthropology): General anthropology, archeology, field methods, forager societies, vernacular architecture, photography, depictions of American Indians, Arctic, Native North America. reinhardt@uindy.edu

Admission Requirements

- A bachelor’s degree with a major or minor in Anthropology or a closely related field;
- Several undergraduate or graduate courses taken in anthropology and the natural sciences with grades above a C. Ideally, these should include a semester each in cultural anthropology, biological anthropology, archeology, statistics, and geology;
- A minimum cumulative undergraduate GPA of 3.2 on a 4.0 scale;
- A score in the top 50th percentile for both the verbal and quantitative sections of the GRE general test.
- Students for whom English is not their first language must provide a Test of English as a Foreign Language (TOEFL) score of at least 603 on the paper-based test, 250/5.0 on the computer-based test, or 100 on the Internet-based test, or provide an International English Language Testing System (IELTS) score of at least 7.

Required Application Materials

Apply here.

- Completed application to MS program in Anthropology;
- A typed personal statement outlining career goals, research interests, and reasons for applying to the program;
- A typed list of all relevant coursework in anthropology and the natural sciences, with grades received;
- A current résumé or curriculum vitae listing anthropological/archeological experience, field schools, special training, publications, and presentations;
- Three reference letters submitted on the Anthropology Reference Forms. Please choose individuals who either are familiar with your academic performance or who have supervised you in anthropology or science-related activities and research. If letters are mailed, these individuals should mail them directly to the Shaheen College of Arts & Sciences;
- Official transcripts showing all undergraduate and graduate coursework;
- Official GRE scores (and TOEFL scores, if relevant) submitted by the testing agencies;
- A $30 application fee (checks are to be made out to the University of Indianapolis).

All materials must be submitted by February 15. We encourage prospective students to contact one of the Anthropology faculty members to arrange for a visit and personal interview.

Program Requirements

- A minimum of 36 graduate hours must be completed. Electives taken in departments other than Anthropology must be approved first by the student’s advisor before they can count toward a degree.
Studies focus on two primary tracks:
  o Bioarcheology is the study of human remains from archeological sites. This avenue of analysis usually pertains to the study of bones and teeth and is within the primary subfield of Biological Anthropology. Bioarcheology courses include Bioarcheology, Mortuary Archeology, Dental Anthropology, and Human Osteology. It also houses the Molecular Anthropology concentration, which focuses on the extraction and study of ancient DNA. Courses include Molecular Anthropology, as well as additional human genetics courses.
  o Archeological Science is the study of material remains of past populations. There are many geographic and analytical specialties within archeology; our primary region of interest is the Eastern Woodlands of the United States. Courses include Geoarcheology, Archeology Laboratory Methods, Graduate Field Archeology, Seminar in Theory of Archeology, and Soil Morphology. Various special topics courses are offered on an as-needed/ by-request basis and include Gender Archeology, Technical Photography, and Archeology of Eastern North America.

Core courses include topics in archaeology, bioarchaeology, theory, and statistics (offered through the Department of Mathematics and Computer Science).

Students are required to take a summer field school (a minimum of 3 hours).

Each student is to conduct a unique scientific study that culminates in a thesis. To facilitate this, each student picks a thesis committee that includes a chair and at least one reader. The thesis chair must be an Anthropology faculty member. In most instances, the readers also will be in Anthropology; however, outside readers may be included if approved by the committee chair.

A thesis proposal must be completed prior to initiation of work on the thesis.

Theses are expected to take the form of publishable manuscripts suitable for submission to a peer-reviewed journal.

Each student must complete coursework with a GPA of at least 3.0, defend the thesis in a public forum, and submit the thesis to the university to earn a degree. Bioarcheology students receive an MS in Anthropology; Archeology students receive an MS in Archeology.

A final version of the thesis should be submitted to the Program Director and the Frederick D. Hill Archives at the University of Indianapolis Krannert Memorial Library once it has been published.

If at any time a student’s performance is lacking to the extent that she/he is not keeping a satisfactory GPA, completing required courses, or actively engaging in research associated with the program, that student is required to meet with the Program Director and his or her committee to develop a plan to improve performance. If that plan is not met by the student, dismissal from the program is possible.

Course Descriptions
Please consult your advisor before registering for classes.
Courses are offered as follows:
Y = Every year
O = Every other year
SI = Semester I
SII = Semester II
D = On sufficient demand

ANTH 501 Seminar in Theory of Archeology. This seminar is designed to introduce students to major theoretical contributions and schools of thought in archeology. The course covers both the history of theoretical developments in North American archeology and the theoretical landscape of the modern disciplinary discourse. Students are required to conduct heavy reading and to participate in and lead discussion sessions organized around a particular historical or modern theoretical school. This is a seminar-based course, meaning that students are required to make major contributions to the flow of discussion and information during class. 3 credit hours (O)
ANTH 502 Internship in Anthropology or Archaeology. Internships are field placements designed to place students in an applied anthropology or archaeology setting. They help merge classroom theory with practice and contribute to student growth and career exploration by exposing them to methods and experiences that are not available in an academic setting. Students are supervised by a professional at the internship site as well as by a faculty member. Internship opportunities are variable and are typically customized to student interests and needs. 1-4 hours (Y)

ANTH 505 Molecular Anthropology. Molecular Anthropology introduces students to human genetic variation from an evolutionary perspective. Specifically this course focuses on familiarizing students with the fact that the human evolutionary past is the key to understanding human biological variation in the present. Molecular Anthropology focuses on some of the major anthropological questions and issues that are currently being investigated using genetic data, including historical, medical, and forensic applications of genetic diversity, as well as the theoretical concepts, behavioral models, and population statistics required of such analyses. 3 credit hours (O)

ANTH 508 Archeology of Gender. The archaeology of gender is one component of modern ‘processual-plus’ archeology that has gained a large following among researchers worldwide. Consistent with the multi-vocal orientation of modern archeological practice, gender studies in archeology originate from a variety of theoretical perspectives and research goals. This course is designed to introduce students to this broad literature and situate the development of ‘gender archeology’ both theoretically and historically. The course is a seminar format where students are asked to directly engage the literature on this subject. 3 credit hours (O)

ANTH 512 The Encultured Body. This course is designed as an introduction to the body from a feminist anthropological perspective. Over the last twenty years, scholars from a variety of disciplines have begun to explore the Western ideological presumption that the body is defined within a realm called “nature” that exists apart from social and historically constituting processes. These explorations have resulted in critical analysis of the myriad ways that bodies are always socially and historically constructed. In this course, we will examine the making of the "medical gaze" and its implications for how "the body" and particular groups of bodies have come to be known (or made invisible), categorized, and valued in American culture over time. In the process, we will consider how historically-based ideas about the body continue to structure and reify notions of social difference and conditions of inequality in the contemporary world. 3 credit hours (D)

ANTH 525 Historical Archeology. Historical archeology (or post-Medieval archeology) is the study of the modern world from ca. A.D. 1500 to the present. In North America this time period generally coincides with the discovery and colonization of North America by European powers. Spanning the 16th through the 20th centuries, this course covers the archeology of Spanish America, early Colonial archeology, 18th through 20th century rural and urban archeology, antebellum plantation archeology and the African American experience, industrial archeology, maritime archeology, public archeology, and the archeology of landscapes and memory. Through a combination of hands-on lab activities and lectures, students develop historical artifact identification skills and methods of analyzing and interpreting artifact distributions. Weekend field trips are required. 3 credit hours (O)

ANTH 530 Dental Anthropology. This course focuses on analyzing human teeth. It studies in detail dental development, morphology, evolution, function, and pathology. Students learn how to identify all human teeth regardless of their state of preservation and to understand the important role teeth play in the determination of age, sex, ancestry, diet, and disease. It is appropriate for any student interested in the analysis of ancient human remains. 3 credit hours (O)
ANTH 540 Bioarcheology. An intensive survey of how ancient human remains are studied. Students are exposed to numerous theoretical and analytical approaches to ancient skeletal analysis, as well as the history of bioarcheology. Issues include constructing a biological profile, basic and advanced skeletal analysis, interdisciplinary study, ethics, and repatriation. 3 credit hours (Y)

ANTH 550 Geoarcheology. A broad introduction to the use of the theories and methods of the earth sciences to answer archeological research questions. Students are introduced to a variety of topics including soil morphology, paleoeconomic geology, geomorphology, and archeological site formation processes. This is a project-based course, meaning that evaluations are based on students’ abilities to ask and answer research questions using the critical thinking and technical skills developed in the class. Students are encouraged to engage in ongoing faculty research project(s) that provide a foundation for future study and active involvement in the professional research community. Weekend field trips may be required. 4 credit hours (O)

ANTH 558 Human Osteology. An in-depth examination of the human skeletal system with an emphasis on systematic variability. Such issues as bone growth, histology, pathology, and analysis are addressed. 4 credit hours (O)

ANTH 560 Archeology of Eastern North America. Although considerably diverse at the scale of the microregion, from a macroscale perspective cultures in eastern North America are characterized by similar technologies, adaptive strategies, and political organizations throughout the approximately 14,000 years Native peoples occupied the area prior to European contact. Designed as an advanced discussion course, Eastern North American Archeology uses lectures to briefly introduce the nature of these changes throughout each of three major temporal divisions. Students then engage one another in class discussions and writing assignments concerning a broad range of topics (e.g., gender, mobility, material culture) about each temporal division. Readings of primary sources from the professional archeological literature structure these discussions. 3 credit hours (O)

ANTH 565 Mortuary Archeology. Focused on the various ways in which humans dispose of their dead, this course is both lecture- and discussion-oriented and addresses the relationships between burial patterns and social organization, diet, health, status, etc. It provides a broad survey of global burial practices and incorporates archeological theory. Prerequisite: ANTH 501 Seminar in Theory of Archeology. 3 credit hours (O)

ANTH 570 Archeology Laboratory Methods. An introduction to the tools and techniques of processing archeological artifacts and reporting the results. Various skills include classifying, analyzing, and cataloging materials; photography, cartography, and line drawing; and preservation and conservation. 4 credit hours (D)

ANTH 575 Graduate Field Archeology. Work focuses on advanced techniques for site location, exploration, excavation, and analysis. Some projects require extended periods of group living and/or camping off campus. One credit hour is awarded per week of work (usually one day off per week). Prerequisite: undergraduate field archeology experience. 4 credit hours (O)

ANTH 580 Special Topics. Special Topics courses take a variety of forms and cover a wide range of topics. Students may receive credit more than once for these courses if a different topic is covered each time. 1 to 4 credit hours (D)

ANTH 581 Technical Photography. Concentrating on color photography, the subject matter covers film and digital formats, equipment, and camera operation; controlling and calculating for light and focus; lighting, magnification, filters, and color enrichment; advanced techniques, including outdoor, travel, and aerial photography; image analysis; and problem solving. Students must have some photographic topic, theme, or project in mind that they will design and execute during the semester in consultation with the instructor. 3 credit hours (D)
ANTH 585 Directed Readings. Students pursue a focused program of readings under the direction of the instructor. Topics are tailored to the interests and needs of the student. Requires permission of advisor. 1 to 4 credit hours (D)

ANTH 589 Thesis Proposal. This course gives students an opportunity to develop and write their proposal for their MS thesis. It is usually taken in the student’s second year of study. Graded S/U. 1 to 3 credit hours (D)

ANTH 590 Thesis in Anthropology. This course gives students an opportunity to write an MS thesis. It is usually taken in the student’s second year of study. Graded S/U. 1 to 3 credit hours (D)

ANTH 598 Thesis Extension. This course gives students an extra semester to write an MS thesis. Permission from the student’s thesis advisor is required to take this course. Graded S/U. 0.5 credit hours (D)

ESCI 555 Soil Morphology. An introduction to sediments, soils, and soil formation processes. Students learn how to use the USDA soil classification system and the USDA’s online Web Soil Survey. Soil field identification and mapping techniques are taught and students learn how to identify and interpret archeological sediments and soils. This is a project-based course, meaning that evaluations are based on students’ abilities to ask and answer research questions using the critical thinking and technical skills developed in the class. Students are encouraged to engage in ongoing faculty research project(s) that provide a foundation for future study and active involvement in the professional research community. Weekend field trips may be required. 4 credit hours (O)

For more information about Anthropology, visit the Web site at http://anthropology.uindy.edu
Shaheen Arts & Sciences: Applied Sociology

Graduate Applied Sociology
The Master of Arts degree program in Applied Sociology is designed to provide students with critical thinking and research skills and emphasizes the practical application of social science research in solving contemporary social problems. These skills are useful for work in government agencies, nonprofit organizations, community colleges, businesses, and research centers and firms. The program also provides a strong foundation for work at the PhD level.

A primary objective is to provide students with a strong background in social theory and sociological research methods. Additional coursework emphasizes the application of theory and methods in a variety of substantive areas. The practicum in applied sociology gives students an opportunity to experience firsthand how an applied sociologist functions in government, business, or social agencies. Concentrations foster the development of expertise in a selected area. Many courses in the program promote cross-cultural and global understanding.

Community Research Center
The Community Research Center (CRC) serves as an educational facility in research and evaluation design for University students; supports the need of community organizations for data collection, storage, and analysis; and provides a setting to support University faculty and student research. Recent CRC projects include research on metal thefts in Indianapolis; development of an alumni survey for the University; and collecting oral histories of Indiana residents. Each year, the CRC provides research assistantship stipends, through a competitive application process, to two outstanding graduate students in the Applied Sociology program. In recent years, the CRC has also provided funds for students to present their research at national academic conferences. For more information about the CRC or to apply for an assistantship visit the Web site at http://socsci.uindy.edu/crc/index.php or email Dr. James Pennell (jpennell@uindy.edu) or Dr. Tim Maher (tmaher@uindy.edu).

Applied Sociology Faculty
Phylis Lan Lin (PhD, University of Missouri-Columbia, 1972); Associate Vice President for International Partnerships, Professor of Sociology, Director of Asian Programs: Comparative studies; Chinese (culture and society) studies; marriage and the family; social organization of work, work and stress; sociology of health and illness; organizational behavior. lin@uindy.edu

Timothy W. Maher (PhD, Purdue University, 1977); Professor of Sociology and Co-Director of the Community Research Center: Social theory; social psychology; applied sociology; community sociology; urban sociology; inequality and discrimination; environmental sociology. tmaher@uindy.edu

Amanda Miller (PhD, Ohio State University, 2009); Associate Professor of Sociology and Chair of the Department of Sociology: Family, gender and social class. milleraj@uindy.edu

Mary C. Moore (PhD, York University, 1983); Professor of Sociology: Social theory, social problems, poverty and homelessness, gender, sociology of religion. moore@uindy.edu

James R. Pennell (PhD, Rutgers University, 1997); Associate Professor of Sociology and Co-Director of the Community Research Center: Social/institutional change; social movements; social and educational policy; sociology of work/organizations; social theory; qualitative research methods. jpennell@uindy.edu

Bobby A Potters (JD, Indiana University, 1980); Assistant Professor of Sociology and Criminal Justice: Comparative law; international law; rule of law; regulation and governance; criminology; racial and ethnic relations. bpotter@uindy.edu
Required Application Materials
Apply here.
  ● Completed application to the MA program in Applied Sociology
  ● Typed personal statement outlining career goals and reasons for applying to the program
  ● Three reference letters
  ● Official transcripts showing all undergraduate and graduate coursework
  ● $30 application fee

Applied Sociology Program Concentrations
The Master’s of Applied Sociology offers two concentrations:
  ● Community Leadership;
  ● Teaching College Sociology;
  ● Applied Research and Evaluation.

Students must complete all coursework in at least one concentration. Students may also take courses in other concentrations for elective credit, or do two concentrations.

The Master’s of Applied Sociology entails a minimum of 36 credit hours in both required and elective courses.

Requirements for Master of Arts in Applied Sociology

Non-Thesis Option
15 hrs. required Sociology coursework
21 hrs. at least one concentration and additional Sociology electives
36 hrs. Total

Thesis Option
15 hrs. required Sociology coursework
15 hrs. at least one concentration and additional Sociology electives
3 hrs. Thesis Proposal
3 hrs. Thesis
36 hrs. Total

MA in Applied Sociology Core Courses (15 credit hours)
  o SOC 575 Applying Sociology (3)
  o SOC 530 Introduction to Social Research (3)
  o SOC 531 Quantitative Data Analysis (3) OR
    SOC 532 Qualitative Methods of Research & Evaluation (3)
  o SOC 533 Classical Sociological Theory (3)*
  o SOC 536 Contemporary Social Theory (3) [prerequisite SOC 533]

*This course is required if the student has not taken it previously at the undergraduate or graduate levels. Students who have already taken a classical theory course may be eligible to choose an elective instead.

Community Leadership Concentration (21 credit hours)
  o SOC 500 Urban & Community Sociology (3)
  o SOC 511 Leadership of Social Agencies (3)
  o SOC 513 Grant Writing for Program Development & Research Support (3) [prerequisite SOC 530]
  o Electives 12 credit hours of electives

Applied Research and Evaluation Concentration (21 credit hours):
  o SOC 531 Quantitative Data Analysis (3) OR
SOC 532  Qualitative Methods of Research & Evaluation (3) (whichever was not taken as part of the Core) [prerequisite SOC 530]
o  SOC 513  Grant Writing for Program Development & Research Support (3)  [prerequisite SOC 530]
o  SOC 589  Thesis Proposal (3) AND SOC 590 Thesis/Project/Sociology (3) OR
SOC 550  6 credit hours in a research-oriented practicum
o  Electives  9 credit hours of electives

Teaching College Sociology Concentration (21 credit hours)
o  SOC 515  Social Organization of Work (3)
o  SOC 519  The Family: A Global Perspective (3)
o  SOC 550  Practicum (3) (must be teaching-focused)
o  Electives  12 credit hours of electives

Additional Program Options:
Students may take up to six hours of coursework outside Sociology with the permission of their advisor.

SOC 501 Graduate Community Project may be counted for 3 of the required 6 practicum hours.

Students who have taken a classical sociological theory course in their undergraduate studies may opt to take an additional elective instead of SOC 533 Classical Sociological Theory.

Course Descriptions
Please consult your advisor before registering for classes.
Courses are offered as follows:
Y = Every year
O = Every other year
SI = Semester I
SII = Semester II
D = On sufficient demand

SOC 500 Urban and Community Sociology. Designed to familiarize students with the basic structure of cities and communities, the course will focus on the historical development of cities and communities, their contemporary characteristics, and future prospects as well as the social-psychological experience of living in cities and communities. Specific topics will include urban and community planning, community organizing, urban power, community policing, and intentional communities. 3 credit hours (Y)

SOC 501 Graduate Community Project. This is a graduate level Community Service Learning course. Students develop and implement action projects or research of lasting values to the community. Prerequisite: SOC 500. 3 credit hours

SOC 510 Criminology. Study of the nature, extent, and theories of crime. Students are introduced to attempts to control crime, to the judicial process, and to attempts to reform the criminal. 3 credit hours (Y)

SOC 511 Leadership of Social Agencies. Examination of principles and techniques in the administration of social agencies, including long-range planning, staff selection and management, work with volunteer committees and boards, fiscal budgeting, and techniques of delegation. 3 credit hours (O)

SOC 512 Grant Writing for Program Development and Research Support. Focuses on strategies for identifying and applying for program development funding for schools, community service programs, and other nonprofit organizations, as well as research and evaluation projects. Students will explore various facets of learning about potential funding agencies and programs and designing fundable projects, and develop grant proposals tailored to their programs’ needs and individual interests. Prerequisite: SOC-530 3 credit hours (O)
SOC 515 Social Organization of Work. Provides the student with a range of sociological perspectives on work, its organizational dynamics, and direction in the United States and globally. Includes an overview of occupations in their historical and contemporary contexts. Introduces concepts related to the study of work such as worker motivation and systems of motivation, job satisfaction and stresses, and social and economic stratification. The impact of the growth of multinational corporations on pay, work stability, unions, and political processes is also examined. 3 credit hours (O)

SOC 519 The Family: A Global Perspective. Study of the family as a social institution. In addition to studying American family life, the course explores cultural variations in family structure, life cycle, functions, and controls in selected contemporary societies. 3 credit hours (SII)

SOC 525 Law and Society. Examines the functions of law, the impact of law on human relationships within society, intended and unintended consequences of laws, and the role and impact of legal processes, institutions, and practitioners, with a focus on both national and international contexts. 3 credit hours (Y)

SOC 530 Introduction to Social Research. Introduction to the basic problems and nature of research. Emphasis is placed on the areas of design and the construction of instruments of measurement of social data. The student is encouraged to pursue study in an area of interest. 3 credit hours (SI)

SOC 531 Quantitative Data Analysis. Provides a hands-on introduction to commonly used methods of analyzing and interpreting quantitative social science data using secondary data sets. Students will learn how to prepare and enter data into SPSS and EXCEL, use and interpret a variety of descriptive statistics and other data summary techniques, calculate and understand simple relationships between variables, and analyze differences among various groups. In addition, students will formulate and investigate research questions using existing public secondary data sets, and write a report of their methods, findings, and conclusions. Prerequisite: SOC 530. 3 credit hours (O)

SOC 532 Qualitative Methods of Research and Evaluation. This course examines different approaches to collecting, analyzing, and interpreting qualitative data. Methodological and ethical issues of doing qualitative research also will be explored. Students will have opportunities to engage in small class-designed research projects or larger ongoing projects when available. Each student also will develop a proposal for a study that uses qualitative or mixed (qualitative and quantitative) methods to collect data. Prerequisite: SOC 530. 3 credit hours (O)

SOC 533 Classical Sociological Theory. Investigates the origins and history of social theory from the ancient Chinese and Greeks through the 19th century. Early sociological theorists, particularly Marx, Weber, and Durkheim, are the primary focus of the class. This is the first semester of a two-semester sequence. 3 credit hours (SI)

SOC 536 Contemporary Social Theory. This course continues the study of social theory from the early years of the 20th century through today. It includes an analysis of critical theory, multicultural and Afrocentric theory, feminist theory, symbolic interaction, phenomenology, and postmodernism. The course examines the relationship between social theory and social action/social change in contemporary society. Prerequisite: SOC-533. 3 credit hours (SII)

SOC 540 Chinese Culture and Society. Course about Chinese people, history, culture, and society. The contents of the course include a review of the history and reigns of China, an in-depth discussion of social institutions in Chinese society, an appreciation of various Chinese art forms from a sociocultural-historical perspective, and investigation of Chinese in America with ethnic groups in comparative frames of reference. 3 credit hours (D)

SOC 550 Practicum. Practical application of classroom knowledge to an actual work situation in the field, offering the student experiential learning in his/her chosen area. Field practica are arranged at community agencies and other organizations. An on-site professional and a faculty member supervise the student.
Students should make arrangements for the practicum prior to the semester it is taken. A grade of Satisfactory/Unsatisfactory will be given for the course. 3–6 credit hours

SOC 575 Applying Sociology. Introduction to the wide-ranging application of sociological theory and research methods in addressing social issues and problems. Combines classroom discussion and lecture on theory and practice with extensive experiential learning through regular field trips to different agencies, organizations, and communities. 3 credit hours (Y)

SOC 580 Topical Seminar in Sociology. Study of a particular area of sociology not covered comprehensively in one of the other advanced courses. The topic for a given semester is announced prior to registration for the semester, having been selected in response to student needs and wishes. A student may receive credit more than once for SOC 580 if a different topic is covered each time. Selected topics include Global Inequality, Small Group Dynamics, Sociology of Aging, Sociology of Health, Crisis Intervention and Stress Management, Law and Society, and Grant Writing. 3 credit hours (D)

SOC 585 Directed Readings. An arranged, variable topics class that allows students to pursue their individual research interests. Students must have completed twelve hours of coursework to enroll. No more than two directed readings courses can be counted toward the electives requirement. Prerequisite: Consent of instructor & department chair. 3 credit hours

SOC 589 Thesis/Project Proposal. The thesis/project proposal provides students with an opportunity to develop a thesis or project under the direction of a sociology faculty member. A thesis or project proposal must be accepted by a student’s committee in order to enroll in SOC 590. Prerequisite: 18 hours of coursework completed with a 3.0 GPA or higher. 3 credit hours

SOC 590 Thesis/Project/Sociology. Students who elect to pursue the thesis or project option must have a proposal approved by two sociology faculty members prior to completing the thesis. Prerequisite: SOC 589. 3 credit hours

SOC 599 Independent Study in Sociology. The student engages in individual study and/or project. The project may be of the nature of research or advanced study in a selected area of interest. Prerequisite: Consent of the department chair and supervising faculty member. 1–4 credit hours

For more information about Applied Sociology, visit the Web site at http://socsci.uiindy.edu or e-mail Dr. Amanda Miller at milleraj@uiindy.edu.

“\textit{My experience in the Applied Sociology program has always been so positive. I’m fortunate to have found a great sense of belonging with similar-minded professionals.}”

—Dan Reveal, Applied Sociology graduate student
Shaheen Arts & Sciences: Art

Graduate Art

The Master of Arts degree program in Art is an initial degree designed to provide for improved artistic skills and technical abilities. The program offers students opportunities to improve technical critical thinking and research skills that apply to art methods, materials, and processes. Students complete the Master of Arts program for many reasons: as portfolio preparation for an MFA program, to improve artistic skills, for personal enrichment or to extend a teaching license.

Instructors guide students through the process of exploring personal issues in their work in regard to content and technique. Students are expected to develop advanced capacities to work independently, make effective artistic and intellectual judgments, and professional decisions in the area of specialization. Students are expected to develop depth and breadth in required subjects or areas of study. Students must demonstrate to the graduate committee continued growth throughout the program, and are expected to participate in group critiques at mid-semester and at finals.

The Department of Art and Design has facilities for graduate students to address the pursuit of their work. Graduate students have access to studios 24 hours a day, seven days a week, with a building pass issued by campus police. This includes a professional picture-matting facility and a woodshop.

The Department of Art & Design houses two galleries. One is located in the Christel DeHaan Fine Arts Center and mounts six professional exhibitions yearly. The second is the Student Gallery in Schritzer Student Center, which offers between ten and twelve undergraduate and graduate student exhibitions each year, including thesis exhibitions.

Art Faculty

James Viewegh (MFA, Indiana State University, 1998); Associate Professor of Art, Graduate Director of Art, Chair of the Department of Art and Design: Drawing and Painting. jviewegh@uindy.edu

Barry Barnes (MFA, Arizona State University, 1994); Assistant Professor of Art: Ceramics. barnesb@uindy.edu

Jonathan DiBlasi (MFA, Maryland Institute College of Art, 2008); Assistant Professor of Art: Digital Media. diblasij@uindy.edu

Katherine Fries (MFA, Miami University, 2014); Assistant Professor of Art: Printmaking. frieskj@uindy.edu

Julia Taugner (MFA, Indiana University, 1985); Associate Professor of Art: Visual Communication Design. taugner@uindy.edu

Requirements for Master of Arts in Art

Non-Project Option

36 hrs. Coursework (6 hrs. may be taken outside the discipline)
36 hrs. Total

Graduate Project Option

24 hrs. Coursework
6 hrs. ART 590 Thesis/Project
30 hrs. Total

*The project option consists of the completion of a coherent body of work in conjunction with a short written thesis. The Department of Art & Design requires a minimum of 15 credit hours in a concentration
or related area. The Department of Art & Design areas of specialization include Painting, Drawing, and Ceramics. Permission of the instructor is required to determined related areas.

**Application Process**

Apply [here](#).

- Submit application to MA program in Art
- Submit letter of intent
- Submit official transcripts showing all undergraduate and graduate coursework
- Submit portfolio of recent work
- Submit three reference letters addressing the applicant’s artistic abilities and/or commitment to art.

Students with an appropriate portfolio and art background may be admitted under a “regular admittance” status. Students who have insufficient background in art, demonstrated either by their portfolio or their transcripts, may be admitted on a provisional basis. These deficiencies may be removed by demonstrating abilities or taking additional coursework.

**Other Program Requirements**

- Review by committee after completion of 12 hours, with regular committee meetings thereafter
- Submission and approval of a written thesis project proposal by the Graduate Committee before the student registers for the 6 hours of ART 590

**Requirements for Thesis Project**

- A coherent series of works exemplifying the artist’s abilities and knowledge
- A written thesis explaining the work (materials, style, subject matter), concept, and historical precedents
- Artist’s statement
- Exhibition of thesis project
- Digital portfolio and documentation of the exhibition
- Final review of thesis project by the Faculty Graduate Committee

**Course Descriptions**

Please consult your advisor before registering for classes.

Courses are offered as follows:

Y = Every year
O = Every other year
SI = Semester I
SII = Semester II
D = On sufficient demand

ART 500 International Travel Seminar. Travel seminar focusing on the art of a selected region or country. 1–3 credit hours (D)

ART 520 Art Since 1900. Introduction to artistic developments and movements since 1900. The curriculum includes painting, sculpture, ceramics, fiber art, photography, printmaking, computer graphics, and video and performance arts. 3 credit hours (O/SI)

ART 530 Women in Art. A survey of the influence of women in the visual arts. 3 credit hours (O/SII)
ART 535 Methods & Materials for Curriculum and Instruction. Instruction in an art medium in which the student may not have had previous experience. This class is designed for classroom teachers who have special needs related to their teaching assignments. Work may be in a variety of media but must be in concert with an existing undergraduate studio class. Two hours of graduate credit may be earned by completing the appropriate 3-hour undergraduate class. A third hour of credit may be earned by completing an additional paper or research project. May be repeated up to 9 hours credit. (A)

ART 541 Methods & Materials in Two-Dimensional Art. Individual instruction in an art medium of the student’s choice. Department will assign an instructor for one of the following media: drawing, painting, printmaking, photography, mixed media. May be repeated. One hour of credit represents one half-hour meeting with tutor per week; two hours of credit represents one one-hour meeting per week. May be repeated for a maximum of 15 hours. 1–3 credit hours (A)

ART 554 Ceramics Technique. Research into ceramic materials and processes. Included will be design and construction of kilns and studio equipment as well as glaze formulation and calculation. Prerequisite: Permission of instructor. 2–3 credit hours (D)

ART 555 Ceramics. A course dealing with the potter’s wheel, hand-building methods, and glazing techniques, designed to enable the student to improve skills in pottery. May be repeated up to nine hours of credit. Prerequisite: Permission of instructor. 2–3 credit hours (A)

ART 556 Advanced Painting. A graduate-level painting course dealing with expressive pictorial problems involving varied subject matter and painting media with emphasis on the development of individual creative expression. May be repeated up to nine hours of credit. 2–3 credit hours (A)

ART 557 Advanced Drawing. Further exploration of drawing techniques and problems of composition, with an emphasis on the development of individual creative expression. Study may include the figure. May be repeated up to nine hours of credit. 2–3 credit hours (SI)

ART 575 Methods & Materials in Three-Dimensional Art. Individual instruction in an art medium of the student’s choice. Department will assign an instructor of one of the following media: jewelry and metalwork, ceramics, mixed media. May be repeated. One hour of credit represents one half-hour meeting with tutor per week; two hours of credit represents one one-hour meeting per week. May be repeated for a maximum of 15 hours. 1–3 credit hours (A)

ART 580 Special Topics in Art. Study of aspects of art that do not receive focused attention in the regular rotation of art history courses. Students may repeat the course for credit in different topics. 3 credit hours (D)

ART 590 Thesis/Project/Art. Prerequisite: Permission of Instructor. (A)

*For more information about the Department of Art & Design, visit [http://art.uindy.edu](http://art.uindy.edu) or e-mail Professor Jim Viewegh at jviewegh@uindy.edu*
Shaheen Arts & Sciences: Human Biology
Graduate Human Biology
The Biology Department at the University of Indianapolis offers a unique Master of Science degree in Human Biology that blends traditional study in biological anthropology with a solid base in anatomy and the biological sciences. The curriculum is designed to prepare promising students for doctoral work in anthropology or medical school and to lay a foundation for careers in the forensic and clinical sciences or public health. The program emphasizes small class sizes, personal interaction with faculty, hands-on learning, direct and early involvement in research and fieldwork, and valuable opportunities for student teaching. Admission to the program is limited to a few highly qualified students per year. Areas of specialization include:

- skeletal biology (human & nonhuman)
- human variation & adaptation
- forensic DNA & human identification
- forensic anthropology
- forensic field recovery techniques
- taphonomy & trauma analysis
- human evolution
- anatomy & physiology

Those interested in forensic anthropology may train directly on the dozens of human remains cases that are handled annually through the Human Identification Center. Other departmental resources include comparative human and non-human skeletal collections, fossil casts, microscopes, DNA extraction and analysis equipment, and a 16-bay human gross anatomy laboratory.

Human Biology Faculty
Stephen P. Nawrocki  (PhD, SUNY-Binghamton, 1992, DABFA, 1996); Sease Distinguished Professor of Forensic Studies, Professor of Biology, Director of the Graduate Human Biology Program: forensic age estimation; taphonomy; postmortem interval; biostatistics; comparative anatomy. snawrocki@uindy.edu

John H. Langdon  (PhD, Yale, 1984); Professor of Biology and Anthropology: human evolution; functional and evolutionary anatomy. langdon@uindy.edu

Krista E. Latham (PhD, Temple, 2008; DABFA, 2015); Associate Professor of Anthropology and Biology, Director of the Human Identification Center: DNA analysis; molecular anthropology; human identification; forensic anthropology. lathamke@uindy.edu

Kevin Gribbins (PhD, University of Cincinnati, 2003); Assistant Professor of Biology: histology; comparative anatomy; herpetology. gribbinsk@uindy.edu

Molly K. Hill (MS, University of Indianapolis, 2003); Instructor of Biology: human anatomy and embryology. hillmk@uindy.edu

Douglas J. Stemke (PhD, Louisiana State, 1993); Associate Professor of Biology: microbiology. stemked@uindy.edu

P. Roger Sweets (PhD, Indiana, 1996); Associate Professor & Chair of Biology Department: ecology; evolutionary biology; ornithology. rsweets@uindy.edu

Dean A. Wiseman (PhD, Purdue 2004): Assistant Professor of Biology: physiology; spelunking. wisemand@uindy.edu.
Admission Requirements

- Bachelor’s degree with a major or minor in Anthropology, Biology, Human Biology, or a closely related field;
- Prior completion of a minimum of eight courses in the natural sciences and anthropology. Ideally, these should include a semester each in physical anthropology, statistics, anatomy (human or vertebrate), physiology, and chemistry;
- A minimum cumulative undergraduate grade point average of 3.0 on a 4.0 scale;
- Minimum scores of 150 on both the verbal and quantitative sections of the GRE general test and 4.0 on the writing portion.

Required Application Materials

Apply [here](#).

- Completed application outlining career goals, research interests, and reasons for applying to the program.
- A list of all relevant coursework in the natural sciences and anthropology, with grades received (include anatomy, archeology, biology, chemistry, geology, physics, math, and related courses).
- A current résumé or curriculum vitae listing prior work and volunteer experience, field schools, special training, publications, and presentations.
- Three reference letters. Please choose individuals who are familiar with your academic performance or who have supervised you in science- or anthropology-related activities and research. If the letters are mailed, these individuals should mail them directly to the Shaheen College of Arts & Sciences.
- Official transcripts showing all undergraduate and graduate coursework.
- Official GRE scores submitted by the testing agency.
- A $30 application fee (checks are to be made out to the University of Indianapolis).

All materials must be submitted by January 15. We encourage prospective students to contact one of the Human Biology faculty members for assistance and advice. A visit and personal interview are strongly recommended.

Program Requirements and Policies

- A minimum of 36 graduate hours must be completed. Up to eight of these hours may be taken outside of the Biology Department as applicable and if approved by the student’s advisor and the program director. An applicable 400-level undergraduate course taught at the University of Indianapolis may be allowed to count toward the graduate degree if a similar course is not available at the graduate level and if it has not already been applied to an undergraduate degree.
- All students must demonstrate proficiency, either through graduate coursework or other experiences, in each of three “core areas” within human biology: anatomy and physiology, human variation, and evolutionary science. Proficiencies will be assessed for each student by their academic advisor and the program director. Only a course with a “BIOL” designation may be used to fulfill a core area requirement. Appropriate courses in each category include:

**Anatomy & Physiology**
- Gross Anatomy
- Human Physiology
- Neuroscience
- Comparative Anatomy
Students also must demonstrate proficiency in biostatistics. Proficiency can be established by passing a graduate-level statistics course with a minimum grade of B and by demonstrating, through research and writing, that the student can apply basic statistical principles to biological and bioanthropological issues.

After the completion of the first year of coursework (18 credit hours minimum), the student’s professional progress, performance, and fit with the program will be assessed. The student’s advisor will conduct the assessment and will solicit contributions from the program director and other relevant faculty. If the student’s record is deemed deficient, he or she may be asked to (a) complete additional work to remove the deficiency, or (b) take a temporary leave of absence, or (c) leave the program. In these cases the dean will be asked to contribute to the process.

If approved to continue in the program, the student must then solicit a Biology faculty member to serve as chair of the student’s thesis committee and another University of Indianapolis faculty member to serve as reader. Additional readers from this or other universities may be added as appropriate. The thesis chair will frequently be, but does not have to be, the student’s academic advisor. Adjuncts, research associates, and associate faculty may serve on committees if appropriate, but the chair must be a full-time Biology faculty member.

A written thesis proposal must be completed prior to conducting formal data collection or fieldwork and prior to submitting drafts of a thesis. The thesis proposal must include a comprehensive bibliography on the chosen topic and must be approved by all members of the student’s thesis committee. During the second year of full-time study, the student must register for BIOL 589 Thesis/Project Proposal (3 hours), with the thesis chair as the instructor. Upon acceptance of the proposal by the thesis committee, the chair will submit a satisfactory grade for the course; no grade will be submitted until the proposal has been completed and accepted. Final copies of the proposal must be filed with the program director and the College of Shaheen Arts & Sciences.

The student is formally admitted to degree candidacy when she or he has (a) received a satisfactory grade for BIOL 589, (b) completed at least 18 additional hours of graduate coursework with a minimum GPA of 3.0, and (c) resolved all other outstanding deficiencies.

Most students are expected to complete a thesis or other project on a topic of relevance to Human Biology. After the student has been admitted to candidacy, he or she must register for BIOL 590 Thesis/Project (3 hours), with the thesis chair as the instructor. Upon acceptance of the thesis by all members of the thesis committee, the chair will submit a satisfactory grade for the course; no grade will be submitted until the thesis has been completed and accepted. The thesis must be constructed according to program guidelines, which will be provided by the program director. Final copies of the thesis must be filed with the program director and the College of Shaheen Arts & Sciences, and a copy shall be placed on the program’s website.

The thesis or project must be defended. A thesis defense is coordinated by the chair of the thesis committee and the program director and must occur during regular business hours of the University. It is comprised of (a) a public presentation of findings, to be followed immediately by (b) a closed oral defense with the Thesis Committee and any other Biology faculty members in attendance. These individuals may then vote to award the master of science degree or may require additional work by the candidate. When all requirements have been met, the program director will make a recommendation to the dean that the degree be conferred.
• With the approval of the student’s advisor and the program director, the student may choose to write and submit a scientific paper to a scholarly journal or to an appropriate outside agency, or present a formal paper at a national or international scientific conference instead of preparing a thesis. The student must solicit a research chair and a reader for a research committee and prepare a written research proposal following the same guidelines as for the thesis proposal. The student must take BIOL 589 with the research chair as the instructor. When BIOL 589 has been completed, the student must register for BIOL 590. These courses shall be administered in the same fashion as for a student taking a thesis option. The student will conduct a research defense and must show proof of having submitted the paper to an appropriate journal or agency or of having presented the paper at a national or international scientific conference prior to receiving credit for BIOL 590. Members of the research committee may be included as coauthors on the paper. Acceptance of the paper for publication is not required for conferral of the degree. Final copies of the paper as submitted to the journal or agency or as presented must be filed with the program director and the College of Shaheen Arts & Sciences.

• If it becomes apparent that the student is unable to complete a thesis or a scientific paper, or if these options are not appropriate for the student’s stated career goals, the student may choose a non-thesis option after obtaining the approval of his or her advisor and the program director. The requirements of the non-thesis option are the same as those stated for the other options, and credit received for BIOL 589 may count toward the degree. The non-thesis option is not considered appropriate for students who intend to pursue a research-based doctoral program.

• All students must register for course credit each semester (exclusive of summer sessions) or else must formally petition the program director for a temporary leave of absence. A student who has completed 30 hours may register for Thesis Extension (BIOL 598, 0.5 hrs). Thesis extension hours do not count toward the 36 hours needed for graduation.

• Additional policies applicable to all graduate students in the College of Shaheen Arts & Sciences at the University of Indianapolis are outlined at the beginning of this catalog.

“Our focus on individual student progress, hands-on experience, and real-world service and research opportunities outside of the classroom provides an excellent educational environment. Our graduates consistently tell us that they are much better prepared than their competitors from other programs.” — Dr. Stephen Nawrocki, Director, Graduate Human Biology Program

Course Descriptions
Please consult your advisor before registering for classes.
Courses are offered as follows:
Y = every year
O = every other year
SI = Semester I
SII = Semester II
D = on sufficient demand

BIOL 504 Gross Anatomy. A regional anatomy course with full human cadaver dissection. The course is available to health care professionals and qualified graduate students. Fulfills the anatomy & physiology core area in Human Biology. Prerequisites: 1 course in human or vertebrate anatomy with dissection, or 2 courses in combined human anatomy and physiology with dissection, each with a grade of B or higher. 6 credit hours (Y)
BIOL 505 Human Physiology. A comprehensive course dealing with the cellular, neuromuscular, and endocrine functions of the human body. The emphasis of the course is on the relationship of structure to function. Fulfills the anatomy & physiology core area in Human Biology. Prerequisites: 1 course each in biology and chemistry. 4 credit hours (D)

BIOL 509 Advanced Pathophysiology. Provides a comprehensive scientific background for the evaluation of clients in various health care settings. Students will analyze the relationship between normal physiology and the disease state. A brief review of normal physiology and anatomy is included, as well as the pathophysiology of selected disorders and diseases. Prerequisites: graduate of an accredited four-year nursing program, or prior coursework in human anatomy, animal or human physiology, and organic chemistry. 3 credit hours (Y)

BIOL 512 Comparative Anatomy. A survey of the evolution, structure, and adaptations of the major living and extinct classes of vertebrates, with regular comparisons to human anatomy as appropriate. Lab exercises include wet dissection, examination of preserved and dry animal specimens, and low-level microscopy. Fulfills the Anatomy & Physiology core area in Human Biology. Prerequisite: 1 course in anatomy, zoology, organismal biology, or osteology. 4 credit hours (O)

BIOL 515 Neuroscience. The anatomy of the central nervous system from a functional perspective. Fulfills the anatomy & physiology core area in Human Biology. Prerequisite: 1 course in human anatomy, or BIOL 504. 4 credit hours (D)

BIOL 516 Histology. An in-depth examination of the structure and function of vertebrate tissues. Emphasis will be on developing laboratory skills, slide preparation, and microphotography. Prerequisite: 1 course in human or vertebrate anatomy with dissection, or cell biology. 3 credit hours (O)

BIOL 522 Molecular Biology. A study of the molecular processes involved in gene function and the regulation of cell activities. Topics covered include the mechanisms of DNA, RNA, and protein synthesis in bacteria and eukaryotes, mutation and repair, regulation of gene activity, and recombinant DNA methods. Prerequisites: 1 course each in genetics, biology, and chemistry. 4 credit hours (O)

BIOL 528 Human Genetics. An introduction to core concepts in human genetics, including DNA structure and function, Mendelian inheritance, single-gene and complex traits, genetic disorders, gene therapy, DNA fingerprinting, and population genetics. Fulfills the human variation core area in Human Biology. Prerequisites: 1 course each in biology and chemistry. 3 credit hours (O)

BIOL 535 Forensic DNA Analysis. An examination of the theoretical approaches to and practical applications of molecular analysis of forensic and historic specimens. Laboratory exercises will focus primarily on DNA profiling of vertebrate skeletal remains. Prerequisites: 1 course in genetics and 2 courses in chemistry. 3 credit hours (O)

BIOL 540 Biology of Cancer. An examination of the genetic changes and molecular events that lead to abnormal cell growth and cancer. Topics covered include oncogenes, tumor suppressor genes, angiogenesis, invasion and metastasis, cancer stem cells, therapeutic approaches for cancer treatment, and cancer prevention. Prerequisites: 1 course in genetics. 3 credit hours (O)

BIOL 541 Cancer Biology Lab. Students will use molecular and cellular techniques to conduct research projects that examine the hallmark characteristics of cancer cells. One scheduled laboratory per week with additional independent laboratory time as needed. Prerequisite: 1 course in genetics and concurrent enrollment in BIOL 540. 2 credit hours (O)

BIOL 545 Evolutionary Theory. An examination of current issues in evolutionary biology. Fulfills the evolutionary science core area in Human Biology. Prerequisite: 1 course in evolutionary biology or biological anthropology. 3 credit hours (D)
BIOL 550 Human Variation. An examination of human physical and behavioral variation, with special emphasis on adaptation, heritability, microevolutionary processes, demography, and the concept of race. Fulfills the human variation core area in Human Biology. Prerequisite: 1 course in biological anthropology or evolutionary biology, or BIOL 528. 3 credit hours (O)

BIOL 551 Human Biology and Culture. An examination of human biocultural interactions as reflected in their ecology, nutrition, reproduction, demography, disease, and social practices. Fulfills the Human Variation core area in Human Biology. Prerequisite: 1 course in anthropology or BIOL 550. 3 credit hours (O)

BIOL 553 Taphonomy. A survey of perimortem and postmortem changes to plant and animal remains, with a focus on the vertebrate skeleton. Topics covered include soft tissue decomposition, postmortem interval estimation, bone modification, trauma analysis, cultural practices, and taphonomic profile construction. Prerequisite: 1 course in human or comparative osteology. 3 credit hours (O)

BIOL 555 Forensic Osteology. A survey of advanced methods used to construct a biological profile for human skeletal remains. Topics covered include the estimation of stature and age at death, the determination of sex and ancestry, the use of unique skeletal and dental features to establish positive identification, and the role of osteology in the medicolegal setting. Prerequisite: 1 course in human osteology. 3 credit hours (O)

BIOL 556 Human Evolution. A broad study of aspects of human evolution, including evolutionary theory, fossil and archeological evidence, aspects of comparative anatomy, behavior, and ecology, and the genetics and variation of modern human populations in order to reconstruct the biological and cultural prehistory of our species. Fulfills the evolutionary science core area in Human Biology. Prerequisite: 1 course in biological anthropology or evolutionary biology. 3 credit hours (Y)

BIOL 557 Paleoanthropology. An examination of current developments and issues in human evolution. Fulfills the evolutionary science core area in Human Biology. Prerequisite: 1 course in human evolution. 3 credit hours (O)

BIOL 558 Human Osteology. An in-depth examination of the human skeletal system with an emphasis on systematic variability. Such issues as bone growth, histology, pathology, and forensic anthropology are addressed. Fulfills the human variation core area in Human Biology. Prerequisite: 1 course in human anatomy. 4 credit hours (O)

BIOL 559 Comparative Osteology. A laboratory-based survey of the hard tissue morphology and adaptations of the major living classes of vertebrates, including fish, amphibians, reptiles, birds, and mammals. Prerequisite: 1 course in human or vertebrate anatomy with dissection, or 1 course in human osteology. 3 credit hours (O)

BIOL 581 Practicum in Forensics. A student can establish professional credentials or formal certification by participating in supervised training opportunities or internships at laboratories or museums, usually at the rate of 1 credit hour per full week of involvement. All work must be documented and verified by the student’s advisor. Students may receive credit more than once for this course, but no more than three credit hours can count towards the graduate degree. Prerequisites: completion of 18 hours of graduate coursework and consent of the student’s advisor. Graded: S/U. 1 to 6 credit hours (D)

BIOL 582 Field Experience. A student can receive credit for off-site training at field stations or field schools, usually at the rate of 1 credit hour per full week of involvement. All work must be documented and verified by the student’s advisor. Students may receive credit more than once for this course, but no more than 3 credit hours can count towards the graduate degree. Prerequisite: consent of the student’s advisor. Graded: S/U. 1 to 6 credit hours (D)
BIOL 583 Teaching Anatomy & Physiology. Students hone their college-level teaching skills while under the mentorship of a qualified instructor. Work may include developing lesson plans, delivering lectures, preparing presentations, and assisting in labs. Students may receive credit more than once for this course, but no more than 3 credit hours can count towards the graduate degree. Normally, payment cannot be received for work completed under the auspices of this course. Prerequisite: successful completion of either BIOL 504, 505, 512, or 515. Graded: S/U. 1 to 3 credit hours (D)

BIOL 560-567 Special Topics. Special topics courses include directed readings and small group discussions on a focused topic of interest. Students may receive credit more than once for these courses if a different topic is covered each time. 1 to 4 credit hours (D)

- BIOL 560 Topics in Anatomy
- BIOL 561 Topics in Physiology
- BIOL 562 Topics in Evolution
- BIOL 563 Topics in Ecology
- BIOL 564 Topics in Osteology
- BIOL 565 Topics in Systematics
- BIOL 566 Topics in Animal Behavior
- BIOL 567 Topics in Forensics

BIOL 580 Graduate Seminar. Students present progress reports on their research or present reviews of the current status of research in a particular area of biological interest. 1 credit hour (Y). Graded: S/U

BIOL 585 Research in Biology. Students design and complete a research project in consultation with a faculty member. Students may receive credit more than once for this course, but no more than four credit hours of this course can count towards the graduate degree. Prerequisite: consent of the student’s advisor. 1 to 4 credit hours (D)

BIOL 589 Thesis/Project Proposal in Biology. This course provides an opportunity for the student to develop a thesis or comparable project under the direction of a Human Biology faculty member. The final written proposal must be accepted by the student’s thesis or research committee before credit can be awarded and prior to enrolling in BIOL 590. Prerequisites: 18 hours of graduate coursework completed with a minimum GPA of 3.0 and consent of the student’s advisor. Graded: S/U. 3 credit hours (Y)

BIOL 590 Thesis/Project in Biology. The student completes a thesis or comparable project under the direction of a Human Biology faculty member. The final written work must be accepted by the student’s thesis or research committee before credit can be awarded. Prerequisites: completion of BIOL 589 and consent of the student’s advisor. Graded: S/U. 3 credit hours (Y)

BIOL 598 Thesis/Project Extension in Biology. Students may register for this course in order to maintain active student status while working on a proposal, thesis, or project. Prerequisites: 30 hours of graduate coursework completed with a minimum GPA of 3.0 and consent of the student’s advisor. Graded: S/U. 0.5 credit hour (Y)

BIOL 599 Independent Study in Biology. The student engages in advanced study or a research project in a selected area of interest. Students may receive credit more than once for this course, but no more than four credit hours can count towards the graduate degree. Prerequisite: consent of the student’s advisor. 1 to 4 credit hours (D)

For more information about Human Biology, visit the Web site at http://biology.uindy.edu or email Dr. Stephen Nawrocki at snawrocki@uindy.edu
Shaheen Arts & Sciences: English

Graduate English

The Master of Arts degree program in English is designed, within the setting of a broadly based liberal arts program, to provide advanced study in literature with attention to critical thinking and written communication. The program serves those who want to pursue graduate study for personal and professional enrichment and to enhance abilities in analytical communication skills, as well as those who plan to do additional graduate study. The program offers a variety of courses, including special courses on contemporary subjects. The director of graduate studies in English is Dr. Leah A. Milne.

English Faculty

Jennifer Camden (PhD, Ohio State University, 2005); Associate Professor of English: 19th-century British literature; Gothic novel. jcamden@uindy.edu

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English: Required Application Materials

Apply here.

- Completed application to the MA program in English
- Typed personal statement outlining career goals and reasons for applying to the program
- Three reference letters
- Official transcripts showing all undergraduate and graduate coursework
- Official GRE and TOEFL or IELTS scores submitted by testing agencies (GRE required only if undergraduate grade point average is below 3.2)
- $30 application fee
- Writing sample

Please submit a writing sample with your application. Your writing sample should be the best example of your academic writing or a portfolio of your creative or professional work. It should be at least ten pages in length. Academic writing should have a clear thesis statement supported by evidence from your primary source(s), incorporate outside research, follow an appropriate citation style (e.g., MLA, APA, Chicago Style), and engage the critical conversation surrounding the text(s) under discussion. A portfolio of creative or professional work should demonstrate a critical understanding of and engagement with the theories, ideas, and genres at play in the work and should reflect the graduate studies you want to pursue.

“The Graduate English Program provides an environment rich for learning and developing as writers, thinkers, and students of the written word. The variety of classes to choose from (ranging from time period to genre to theme to adaptation and more), the level of class discussion, and the advocacy of the professors for their students make the UIndy Graduate English Program a challenging and welcome center of learning for all kinds of interests.” —Sara Wright, M.A. English, 2014

Program Requirements for Master of Arts in English

Non-Project Option
36 hrs. coursework
- Students must take ENGL 550 Literary Criticism
- 6 hrs. may be taken outside the discipline

Graduate Project Option
30 hrs. coursework
- Students must take ENGL 550 Literary Criticism
- 6 hrs. may be taken outside the discipline
1 hr. ENGL 589 Thesis Proposal
5 hrs. ENGL 590 Thesis/Project
36 hrs. total
English: Course Descriptions

Please consult your advisor before registering for classes. Courses are offered as follows:

Y = every year
O = every other year
SI = Semester I
SII = Semester II
D = on sufficient demand

Seminars in Theory and Criticism
ENGL 520 Seminar in Literary Studies. This course provides graduate students with the opportunity for focused, in-depth study in the instructor’s area of expertise. Students may enroll in this course any number of times as long as the topic is not a repetition of one for which credit has been granted. 3 credit hours (D)

ENGL 550 Literary Criticism. A study of major schools of literary criticism. The course acquaints students with the ways in which verbal structures in general—but literary texts in particular—may be approached and understood, and how understanding of literary texts may be molded into coherent, developed arguments. 3 credit hours (SI)

Seminars in Literary Movements and Historical Contexts
ENGL 530 Renaissance Literature and Culture. This course examines literary texts and literary movements in their cultural and historical contexts. Topics may include representative works of the poetry, drama, and prose (fiction and nonfiction) emerging during the 16th and early 17th century. 3 credit hours (D)

ENGL 533 Twentieth-Century Literature and Culture. This course examines literary texts and literary movements in their cultural and historical contexts. Possible topics include late realism, modernism, postmodernism, or a focus on a thematic preoccupation of 20th-century writers. 3 credit hours (D)

ENGL 534 Contemporary Literature and Culture. This course examines literary texts and literary movements in their cultural and historical contexts. Particular attention will be paid to postmodernism and 21st-century writers’ responses to its texts and ideas. The impact of globalization on literary studies will be addressed also. 3 credit hours (D)

ENGL 538 Eighteenth- and Nineteenth-Century Literature and Culture. This course examines literary texts and literary movements in their cultural and historical contexts. Possible topics include romanticism, the age of revolutions, realism, Victorian literature, fin de siècle literature, or a focus on a thematic preoccupation of 18th- and 19th-century writers such as slavery, women’s emancipation, or sciences and pseudosciences. 3 credit hours (D)

ENGL 555 Medieval English Literature. Study of English literature from its beginnings in the eighth century to the beginning of the Renaissance. Topics to be covered include Old English poetry, research on Medieval topics, pronunciation of Middle English, romances, religious treatises, drama, and Middle English lyrics. This course is usually offered once every three years. 3 credit hours

Seminars in Multicultural Literature
ENGL 535 Multicultural Literature. This course discusses American works by minority authors as a literary tradition. Particular attention will be paid to the ways in which minority authors from different time periods and cultures represent their experiences in America. 3 credit hours (SI)

ENGL 536 Postcolonial Literature. This course discusses works by authors of colonized nations as a literary tradition. Particular attention will be paid to the ways in which postcolonial authors from different time periods and cultures present their perspectives on colonialism and postcolonialism. 3 credit hours (SII/Once every three years)
Seminars in Individual Authors
ENGL 560 Shakespeare. This class studies representative plays from Shakespeare’s career, taking a chronological approach but spanning all principal genres—comedy, history, tragedy, and romance. Students approach Shakespeare’s work as both theatre and literature, with some emphasis on contemporary social and political influences. The course objective is to enhance the appreciation of Shakespearean drama in both its original and modern contexts. 3 credit hours (SI)

ENGL 570 Chaucer. Reading in Middle English of the works of Geoffrey Chaucer. Students examine the moral vision, artistic unity, humor, and aesthetic beauty of Chaucer’s art. Special attention is given to the narrative, dramatic, and poetic devices through which Chaucer’s poetry achieves its effects. 3 credit hours (D)

TESOL Courses
ENGL 561 Methods of Teaching English as a Second or Other Language. This course serves as an introduction to approaches, methods, and techniques in teaching English to speakers of other languages (and second languages in general), covering both theoretical material and practical applications of theory to language teaching. 3 credit hours (SI/O)

ENGL 562 Studies in English Language and Linguistics. An introduction to the structural, social, and historical aspects of the English language. Topics include morphology, syntax, phonology, usage, history of English, dialects, first and second language acquisition, and issues related to teaching and learning English as a first and second language. 3 credit hours. (SI)

ENGL 563 Testing and Assessment. This course addresses topics, issues, and methods related to assessing English language proficiency in English as a Second Language (ESL) and English as a Foreign Language (EFL) classrooms, both in the U. S. and in international contexts. It explores standardized language proficiency tests, as well as informal and alternative methods of English language learner (ELL) assessment. 3 credit hours. (SI/O)

ENGL 564 Materials Development. This course addresses the selection and development of second language instructional materials and includes theoretical considerations and practical applications such as evaluating and adapting instructional materials. The goal of the course is to provide students with opportunities to examine and develop instructional materials for a variety of second and foreign language classrooms, as well as to use authentic instructional materials for communicative purposes. 3 credit hours. (SI/O)

ENGL 565 Language and Society. The course introduces basic concepts and issues in sociolinguistics as they relate to TESOL, including multilingualism, language in society, language identity, dialects, language and education, and language rights. 3 credit hours (SI/O)

ENGL 566 Pedagogical Grammar. This course focuses on the teaching of grammar as it may be applied to a variety of ESL/EFL contexts. Thus, it is not a grammar course as such, because the emphasis of the course is on ways of teaching grammar rather than on acquiring or mastering knowledge of grammar itself (although the development of students’ own English grammar knowledge will be a peripheral outcome of the course). 3 credit hours (SI/O)

ENGL 567 Second Language Acquisition. This course introduces students to the field of Second Language Acquisition (SLA), which focuses on how humans learn subsequent languages after they have acquired a first language. It explores the variables associated with outcomes in second language learning, as well as what it means to acquire competency in the four skills (reading, writing, speaking, listening) in a language other than one’s first. 3 credit hours (SI/O)
ENGL 568 Second Language Psycholinguistics. This course explores basic issues of psycholinguistics including speech perception and word recognition (spoken and visual), reading and language acquisition, and language development. The course also examines second and foreign language learning from a psycholinguistic perspective. 3 credit hours (SI/O)

ENGL 569 Practicum/Internship in TESOL. This course functions as a forum to pair in-school field placement in a U. S.-based P-12 English as a Second Language (ESL) classroom or community ESL-related service, with the learning of successful educational practices and models in contemporary ESL/EFL education. Through in-class discussions and tasks, coupled with the field placement, the course creates a significant opportunity for students to reflect on and make connections between the knowledge and skills they have acquired during various components of the TESOL Program, as well as the course content. (hours variable) (SI/O)

Seminars in Writing, Editing and Publishing
ENGL 522 Teaching Writing: Theory and Practice. An introduction to current theory and best practices in the teaching of writing at various developmental levels. Prerequisite: Permission of the instructor. 3 credit hours (SII)

ENGL 571 Advanced Poetry Writing Workshop. This class aims at furthering students' understanding of the craft and technique of writing poetry. Though the primary focus will be on workshopping student writing, students also will read and discuss essays by poets about technique, style, and craft to enhance their understanding of the art of writing and hone not only their ability to write but also to critique their own work as well as that of others. Students will be expected to give a public reading of their work and will have opportunities to meet national and local writers. Prerequisite: Permission of the instructor. 3 credit hours (O)

English 572 Advanced Fiction Writing Workshop. This class aims at furthering students' understanding of the craft and techniques of fiction writing. Though the primary focus will be on workshopping student writing, students also will read and interrogate professional examples of short stories, flash fiction, and novel chapters to further enhance their understanding of the art of fiction writing and hone not only their ability to write but also to critique their own fiction as well as that of others. Students will be expected to give a public reading of their work and will have opportunities to meet national and local writers. Prerequisite: Permission of the instructor. 3 credit hours (O)

ENGL 582 Writing and Editing for the Web. This course will prepare students to write and edit content effectively for websites and other online venues that they design and implement. Sometimes, written content is lost on web pages as a result of overpowering multimedia, bad design, poor editing, or many other reasons. Web 2.0 softwares allow almost anyone to develop a content-rich and interactive website that can integrate many users and provide relevant information. This course will focus on making readable text an integral part of every page of a website. Prerequisite: Permission of the instructor 3 credit hours (D)

ENGL 583 Writing and Editing for Nonprofit Organizations. Students enrolled in this course will focus on the necessary writing, editing, design, and persuasion skills to develop a range of effective documents for nonprofit organizations. Service-learning projects throughout the semester will culminate in writing a grant proposal for a local nonprofit organization. Prerequisite: Permission of the instructor. 3 credit hours (D)

ENGL 580 Special Topics in Literature. An opportunity for the Department to offer courses on topics of special interest. Students may enroll in this course any number of times so long as the topic is not a repetition of one for which credit has been granted. 3 credit hours (D)

ENGL 585 Directed Readings. Students pursue a focused program of readings under the direction of the instructor. Topics are tailored to the interests and needs of the student. May be repeated for credit. 1–9 credit hours (D)
ENGL 590 Thesis/Project/English. Prerequisite: ENGL 589. 1–5 credit hours (D)

ENGL 599 Independent Study/English. The student engages in individual study and/or a project. The project may be of the nature of research or advanced study in a selected area of interest. Prerequisite: Consent of the department chair and supervising faculty member. 1–4 credit hours (D)

For more information about Graduate English program, visit the Web site at http://english.uindy.edu/graduate.
Shaheen Arts & Sciences: History
Graduate History
The Master of Arts degree program in History provides opportunities for study in the history of the United States, Europe, and the non-Western world. The program is designed to serve a diverse audience with a variety of personal and career goals. Past and present students include recent college graduates planning to go on to doctoral studies, secondary school teachers seeking to enhance professional credentials, and nontraditional students in search of personal enrichment.

History Faculty
Lawrence Sondhaus  (PhD, University of Virginia, 1986); Professor of History, Director of Graduate Program in History: Modern Europe; Germany and Austria; naval and military history; diplomacy and foreign policy. sondhaus@uindy.edu

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Samantha A. Meigs  (PhD, Northwestern University, 1993); Associate Professor of Experience Design and History: Early Modern Europe; British Isles to 1714. smeigs@uindy.edu

James B. Williams  (PhD, Purdue University 2009); Associate Professor of History: Medieval Europe. williamsjb@uindy.edu

Required Application Materials
Apply here.

● Completed application to the MA program in History;
● Typed personal statement outlining career goals and reasons for applying to the program;
● Three reference letters;
● Official transcripts showing all undergraduate and graduate coursework;
● Official GRE and TOEFL scores submitted by testing agencies;
● $30 application fee.

Requirements for Master of Arts in History

Exam Track
36 hrs. Coursework
3 hrs. HIST 595 (Comprehensive Exams)
   ● Two courses may be taken outside the discipline, with approval of program director
   ● The Exam Track is the default curriculum path for all students not admitted to the Thesis Track

Thesis Track
30.5-33 hrs. Coursework
6 hrs. HIST 589 and 590 (Thesis Proposal and Thesis)
   ● Two courses may be taken outside the discipline, with approval of program director
   ● Students may apply for admission to the Thesis Track after completing at least 12 hrs. of coursework
Thesis Track with Comprehensive Exams
27 hrs. Coursework (minimum)
3 hrs. HIST 595 (Comprehensive Exams)
6 hrs. HIST 589 and 590 (Thesis Proposal and Thesis)
- Two courses may be taken outside the discipline, with approval of program director
- Students may apply for admission to the Thesis Track after completing at least 12 hrs. of coursework
- Recommended path for students seeking admission to a PhD program upon completion of the MA

Course Descriptions
Please consult your advisor before registering for classes.
Courses are offered as follows:
Y = every year
O = every other year
D = on sufficient demand

HIST 501 Colonial and Revolutionary America. A study of Colonial and Revolutionary America, 1607 to 1790. Emphasis is placed on the European background and colonial policy, the development of the different American colonies, the coming of the Revolution, the War for Independence, the Confederation period, the Age of Federalism, and the impact of the Revolution in the Early Republic. 4.5 credit hours (D)

HIST 502 Medieval Europe. This course investigates the European and Near-Eastern Middle Ages in order to challenge the common perception of this period as a “middle age” lacking in progress. Topics drawing from European, Byzantine, and Islamic civilizations include immigration from groups such as the Vikings, the establishment of dominant world religions, revolutions in commerce, and the powerful transformations wrought by the Black Death. This course will emphasize the analysis of primary source materials to illuminate our understanding of this period. 4.5 credit hours (D)

HIST 503 Early Modern Europe. This course focuses on the era that gave birth to the modern western world. Topics include the emergence of religious diversity, capitalism, the rule of law, and the scientific revolution, and the consequences of these transformations, including rebellions against authority, religious violence against non-conformists, debilitating poverty, and devastating warfare. This course will emphasize the methods and theories historians use to construct these early modern histories. 4.5 credit hours (D)

HIST 504 Early American Republic. Examination of the history of the United States from the Revolutionary Era to the antebellum period. Topics include the Jefferson Era, the Age of Jackson, Indian Removal, Slavery, the Market Revolution, the Second Great Awakening, Romanticism, Sectionalism, Women’s Rights, and other social and cultural developments. 4.5 credit hours (D)

HIST 505 The Civil War and Reconstruction. Study of the American Civil War Era through the end of Reconstruction. Emphasis is placed on the coming of the war, the military and social aspects of the conflict, the politics of the era, the Constitutional questions raised, and changes in American society and culture. 4.5 credit hours (D)

HIST 510 History of African-Americans to 1910. This course examines the rich and diverse history of African-Americans in the United States, from the introduction of slavery to the American colonies until 1910. Via an examination of African-American political, economic, and cultural history, this course provides students with the analytic framework for understanding the persistent issue of race in American life. 4.5 credit hours (D)

HIST 511 History of the Civil Rights Movement. This class takes a broad perspective on the Civil Rights Movement. By examining the movement’s roots in the Second World War and the legacy of the movement
into the decades following the 1960s, this course encourages students to think about the ways in which the
Civil Rights Movement served as a watershed in American cultural and political life. Students will be asked
fundamental questions about the movement, including when it began, who belonged, and how historians
have tried to write about it. 4.5 credit hours (D)

HIST 513 Indiana and the Midwest. Study of the history of Indiana and the Midwest from settlement to the
present era. Emphasis is placed on the political, economic, social, and cultural development of the state and
region. 4.5 credit hours (D)

HIST 516 The Third Reich: Rise, Fall, and Aftermath. Study of German history from 1918 to the present.
Special attention is given to the rise of Hitler, the domestic and international politics of the Nazi period
(1933–45), and the legacy of the Third Reich in the years since World War II. 4.5 credit hours (D)

HIST 519 Modern Imperialism. Examination of the impact of modern European colonial domination on the
peoples and cultures of Africa and Asia, and its reflection in contemporary African and Asian attitudes,
politics, and economics. 4.5 credit hours (D)

HIST 522 History of the British Isles to 1714. Survey of the history of Britain from the ancient world to
1714. Topics will include the development of medieval monarchies, legal, religious, and constitutional
developments, and society and culture, focusing on issues of identity and nationality. Throughout the
course the interaction between the “Four Kingdoms” (England, Ireland, Scotland, and Wales) will be
stressed. 4.5 credit hours (D)

HIST 523 Modern Britain. This course will study the evolution of Modern Britain and the role of Britain in
modern history. Major themes will include the development of parliamentary government, the zenith and
decline of the British Empire, and Britain’s evolving role in Europe. 4.5 credit hours (D)

HIST 527 Modern Russia. Study of Russian history from tsarist times to the present. Topics covered
include the problem of reform in Imperial Russia; the collapse of the old regime; Lenin, Stalin, and the
establishment of the communist dictatorship; World War II and the Cold War; and social, economic, and
political issues in the former U.S.S.R. today. 4.5 credit hours (D)

HIST 550 Graduate Internship. Work experience in public history (for example, at museums and historical
sites, or in historic preservation and local history projects). Students are under the day-to-day supervision
of office staff and report to the instructor on a regular basis. 3–9 credit hours (D)

HIST 553 Modern Africa. Introduction to African peoples and cultures and a study of major themes that
link Africa with other world civilizations and developments. These include the slave trade, colonial
domination, and problems experienced by modern African nations. 4 credit HIST 560 War in the Modern
World. This course examines the impact of history’s most influential writers on the subject of warfare.
Special attention will be given not just to the enduring value or popularity of the works of these writers, but
also to the historical context in which their ideas were formed. 4.5 credit hours (D)

HIST 560 War in the Modern World. A readings seminar focusing on the impact of history’s most
influential writers on the subject of warfare. Special attention will be given not just to the enduring value or
popularity of the works of these writers, but also to the historical context in which their ideas were formed.
While most readings address warfare on land or in a comprehensive sense, the course content also includes
theorists of warfare at sea and in the air. The primary focus is on the evolution of strategy as reflected in
modern warfare, with tactics and operations/logistics addressed only to a lesser degree. 4.5 credit hours (D)

HIST 564 United States Diplomatic History to 1945. Investigation of major episodes in American foreign
relations and a critical examination of the evolution of the nation’s diplomatic tradition from its founding
through World War II. 4.5 credit hours (D)
HIST 565 The United States and the World since 1945. Study of world affairs and especially the preeminent international role of the United States since World War II. Topics covered include the Cold War, the Korean War, nuclear strategy, disarmament, the Vietnam War, the Middle East, and the global economy. 4.5 credit hours (D)

HIST 570 Strategic Culture and Ways of War. This course will examine the extent to which national strategies and approaches to warfare are culturally determined. Course readings include the works of political scientists specializing in international relations as well as historians of international politics and warfare. 4.5 credit hours (D)

HIST 580, 581, 582, 583, 584 Special Topics in History. Examination of a historical topic not covered thoroughly in other graduate history courses. Topics vary, and students may repeat the course for credit if the topic is different. 0.5-4.5 credit hours

HIST 585 Directed Readings. Students pursue a focused program of readings under the direction of the instructor. Topics are tailored to the interests and needs of the student. May be repeated for credit. 1–9 credit hours (D)

HIST 589 Thesis Proposal. Students produce a research proposal, including a thesis statement, outline, explanation of the relevance or importance of the study, and literature review. Prerequisite: a minimum of 24 credit hours applicable to the History MA. 3 credit hours (D)

HIST 590 Thesis. Prerequisite: HIST 589. 3 credit hours (D)

HIST 595 Comprehensive Examinations. Students are tested on their knowledge in two fields of history, to be determined by the student in consultation with faculty advisors. Prerequisite: a minimum of 27 credit hours applicable to the History MA for students on the Thesis Track; a minimum of 36 credit hours applicable to the History MA for students on the Exam Track. 3 credit hours (D)

HIST 598 Thesis Extension (0.5 hours)
Shaheen Arts & Sciences: International Relations

Graduate International Relations

The Master of Arts in International Relations aims at providing students with the expertise necessary for them to pursue careers in the field of international relations. It will provide students with knowledge and skills needed to become competent professionals in a variety of employment settings—diplomacy, government agencies, multinational corporations, research institutions, NGOs, and international organizations.

Students will attain a broad understanding of the political, social, and economic evolution of the international system in the 20th century. The relative political and economic power of states, the role of regional and international organizations, and the existence and resolution of conflict will be central to the course of study.

Admission Policies and Procedures for Master’s of Arts in International Relations

Regular Admission
Apply here.

For regular admission to the program, the applicant must:

- Submit a transcript showing a baccalaureate degree from a regionally accredited institution in the United States or submit a transcript showing the equivalent of a baccalaureate degree for students applying from outside the United States. All undergraduate coursework must be documented by transcripts.
- Provide an official transcript for a completed undergraduate degree with a cumulative grade point average of 3.0 on a scale of 4.0, along with official transcripts of other undergraduate work and previous graduate study.
- Submit a Graduate Record Examination (GRE) score acceptable to the Graduate Committee.
- Have three professors familiar with your academic work submit confidential letters of recommendation directly to the Shaheen College of Arts & Sciences office. At least two letters have to be academic in nature.
- Submit an application fee of $30.

Prospective students not meeting the above criteria may petition for provisional admission.

Provisional Admission

Prospective students wishing to take courses for credit but not pursue a degree may be admitted provisionally. A student is limited to 12 credit hours once admitted provisionally. Students enrolled at another accredited graduate school and wanting to transfer credits earned at the University of Indianapolis back to the home institution may be admitted by meeting the requirements for provisional admission. In order to be accepted for provisional admission a student must:

- Apply here.
- Provide proof of a baccalaureate degree or a transcript indicating good standing in the graduate program at the parent institution, if applicable.

Note that provisional admission students wishing to go beyond 12 hours and complete the degree program will have to apply for regular admission, subject to the criteria listed above, and meet all other requirements of the program.

International Relations Faculty

Jyotika Saksena  (PhD, University of Georgia, 2001); Associate Professor of Political Science, Director of Graduate Program in International Relations: international political economy; international organization; international relations theory. jsaksena@uindy.edu
Lawrence Sondhaus (PhD, University of Virginia, 1986); Professor of History, Director of Graduate Program in History: Modern Europe; strategic culture. sondhaus@uindy.edu

Milind Thakar (PhD, University of Georgia, 2001); Associate Professor of Political Science, Chair of the Department of History and Political Science: comparative politics; political development; South Asia. mthakar@uindy.edu

Douglas Woodwell (PhD, Yale University 2005); Associate Professor of Political Science: international conflict; terrorism; research methods. woodwelld@uindy.edu

General Requirements
At the time of their initial enrollment, all International Relations MA students must possess the reading, writing, and critical thinking skills necessary to succeed in graduate-level coursework.

The Master of Arts in International Relations requires the completion of at least 38 credit hours of coursework. Students pursuing this degree can choose two options, a traditional track or the Global Experience track. All students will be required to take the same core coursework. While an internship will be encouraged in both tracks, it will not count towards the required 38 hours of coursework.

Year I:

Required courses: IREL 545: International Relations Theory (4 credit hours)
PSCI 501: Research Methods and Design (4 credit hours)

Optional courses: Minimum 8 credit hours of elective coursework

Year II:

Track I: Traditional
Students will take a program of approved courses in International Relations at the University. During their course of study they will be encouraged to participate in local internships which include an academic component.

Track II: Global Experience
Semester of study abroad: Students will spend a semester abroad with a selected partner institution taking an approved program of courses. Students will also be encouraged to participate in local internships which include an academic component.

- Currently, the University has direct partnerships with Kadir Has University, Istanbul, Turkey and University of Stellenbosch, South Africa.
- If students prefer to study at an alternate site, they can do so after consulting with the program director.
- Students may earn up to 8 credit hours abroad, and may appeal to the program director for additional hours.

Language Immersion Option (available to both Track I and II students):
Even though language is an integral part of studying international relations, we do not require Masters students to study foreign languages. However, a language immersion option is available to students choosing either the traditional track or the global track. Students choosing this option should be able to demonstrate language proficiency at the 300 level through a test taken in consultation with the Department of Modern Languages http://languages.uindy.edu. Credit hours earned taking language course work will not count towards the 38 required credit hours to complete the master’s degree in international relations.
Completing the Degree
Students can complete the degree by either taking comprehensive exams or writing a thesis. Students choosing the thesis option may earn a degree with 38 credits; those choosing the comprehensive exams track may earn a degree with 39 credits. Students choose the appropriate option in consultation with the program director.

Summary of Course Requirements
Comprehensive Exam Track
4 hrs. IREL 545 International Relations Theory
4 hrs. PSCI 501 Research Design and Methods
24 hrs. International Relations Electives
4 hrs. History Elective
3 hrs. IREL 595 Comprehensive Examinations
39 total hrs.

Thesis Track
4 hrs. IREL 545 International Relations Theory
4 hrs. PSCI 501 Research Design and Methods
20 hrs. International Relations Electives
4 hrs. History Elective
6 hrs. IREL 589 and 590 (Thesis Proposal and Thesis)
38 total hrs.

Course Descriptions
Please consult your advisor before registering for classes.
Courses are offered as follows:
Y = every year
O = every other year
D = on sufficient demand

For History electives, see Graduate History section.

Interdisciplinary Concentrations

The International Relations Masters Program attracts students from many different majors. Additionally, our graduates go into very different fields including non-profit organizations, MNCs, government, etc. While the IR Masters Program provides a broad range of courses familiarizing students with the field, students can also benefit in the job market by taking additional courses outside their field that would improve both their understanding and prospects in the job market. Those interested in specializing further have the option to take courses that give them added skills to go into the field that they are interested in.

Students will take a minimum of three additional courses to count towards their chosen concentration. These courses will not substitute for the required coursework in the Masters Program.

1. Non-profit

MBA 642 – Not-for-Profit Marketing
MBA 644 – Public Relations
ENGL 583 – Writing and Editing for Nonprofit Organizations
SOC 513 – Grant Writing for Program Development & Research Support
SOC 515 – Social Organization of Work

2. Political Journalism/Professional Writing
ENGL 582 – Writing and Editing for the Web
ENGL 580 – Creative Writing Workshop
ENGL 571 – Advanced Creative Writing Workshop

COMM 530 – Special Topics
  Writing for Print and Online Media
  Magazine and Webzine Writing and Editing OR
  Information Gathering and Dissemination

3. Global Health

MPH 575 – Global Patterns of Health & Disease (3)*
MPH 550 – Public Health Policies, Ethics, & Advocacy (3)
MPH 585 – Global Perspectives on Nutrition and Food Security (3)
MPH 590 – Health Disparities & Inequities in the United States (3)

ANTH 580 – Special Topics
  Global Health (3)
  The Encultured Body (3)
  Disability and Health (3)

Course Description:

IREL 530 Foreign Policy Analysis. This course examines the leading theoretical approaches to study of foreign policy. It seeks to provide students with the ability to critically evaluate theoretical literature on foreign policy. Theories representing all the major approaches including decision-making, leadership, public opinion, and psychology are explored. Topics covered include examination of Realist vs. Liberal paradigms, models of decision-making, and the role of culture in the making of foreign policy. 4 credit hours (D)

IREL 535 Comparative Politics. Analysis of major national governments. Attention is given to how one is inducted into a particular political system. 4 credit hours (D)

IREL 536 Political Development. This course will examine the nature of political development in different states and analyze why different trajectories have been and are being chosen. It introduces the notion of change through an examination of the developmental paths taken by developed and developing states and their respective problems. The course combines theory, history, and geography in its study of political development. Therefore, it will familiarize students with contemporary problems within the developing world and fulfill the objective of introducing students to one of the three subfields of comparative politics. 4 credit hours (D)

IREL 545 International Relations Theory. Survey of major theoretical schools and important concepts in the study of international relations. Areas covered include Realism and its variants; Liberalist and Regime theories; and cognitive, bureaucratic, and other decision-making models. Attention is given also to appropriate methods and research strategies in the study of international relations. 4 credit hours (SI)

IREL 546 U.S. Foreign Policy: Decision-Making and Process. Study of the processes of making and implementing foreign policy decisions in the United States federal government. Major topics include a survey of relevant federal agencies and branches of government, their inputs to the foreign policy decision process, and their interactions; and theories of decision-making, including rational choice, bureaucratic and political models, and individual psychological explanations of foreign policy choice. Students should acquire both a working knowledge of the mechanics of the U.S. federal government in the realm of foreign policy and exposure to a range of contemporary issues in U.S. foreign policy. 4 credit hours (D)
IREL 547 International Conflict and Conflict Resolution. A study of causes, dynamics, and resolution of international conflict. Topics covered include theories of the causes of war at various levels of analysis; decision and social psychological models of conflict dynamics; the role of military force in international conflict; theories of escalation and de-escalation; mediation and conflict resolution strategies; and problems of peace maintenance. Students are expected to research and analyze a recent international conflict. 4 credit hours (D)

IREL 548 International Organizations and Interdependence. This course is designed to examine the efforts of the international community in instituting global governance and rules in varying areas of states’ common interests. Apart from theoretical debates and approaches within the subfield, the course will highlight significant international organizations such as the U.N. and the Bretton Woods system and international regimes in the areas of human rights, nuclear nonproliferation, trade, and the environment. 4 credit hours (D)

IREL 552 International Political Economy. Survey of the major theories and findings in the study of international political economy. Topics include basic international economic processes of trade, currency exchange, and capital flows; Realist, Marxist, and Liberalist theories of the structure of international economic exchange; and a range of current issues in the international economic arena, including trade integration among the wealthy North and development and debt issues in the South. Attention given to the interplay between economic and political forces, with the major emphasis being on the latter. 4 credit hours (D)

IREL 554 Terrorism: Past, Present, and Future. Examines the origins of terrorism and how the motives and methods of modern terrorists reflect both continuities and differences with those of the past. Topics include the psychological, socioeconomic, political, and religious causes of terrorist violence as well as the strengths and weaknesses of various counterterrorism strategies. 4 credit hours

IREL 575 Graduate Internship. Work experience in international relations research (for example, at government agencies or organizations involved in policy research and analysis). Students are under the day-to-day supervision of office staff and report to the instructor on a regular basis. 3–9 credit hours (D)

IREL 580 Special Topics in International Relations. Examination of a topic not covered thoroughly in other graduate International Relations courses. Topics vary, and students may repeat the course for credit if the topic is different. 1–4 credit hours (D)

IREL 585 Directed Readings. Students pursue a focused program of readings under the direction of the instructor. Topics are tailored to the interests and needs of the student. May be repeated for credit. 1–9 credit hours (D)

IREL 589 Thesis Proposal. Students produce a research proposal, including a thesis statement, outline, explanation of the relevance or importance of the study, and literature review. Prerequisite: a minimum of 24 credit hours applicable to the International Relations MA. 3 credit hours (D)

IREL 590 Thesis. Prerequisite: IREL 589. 3 credit hours

IREL 595 Comprehensive Examinations. Students are tested on knowledge of international relations theory and at least one subfield of study, to be determined by the student in consultation with faculty advisors. Note: Students on the non-thesis track should register for IREL 595 in their last term before graduation. 3 credit hours (D)

IREL 598 Thesis Extension. 0.5 credit hour
IREL 599 Independent Study/International Relations. The student engages in individual study and/or a project. The project may be of the nature of research or advanced study in a selected area of interest. Prerequisite: Consent of the department chair and supervising faculty member. 1–4 credit hours (D)

PSCI 501 Research Design and Methods. Examination of the empirical methods of behavioral political science. Students design their own research projects, learn the basic statistical techniques required to analyze and interpret the data they collect, and write a paper describing the results. 4 credit hours (D)

For more information about International Relations, visit the Web site at http://history.uindy.edu/graduate or e-mail Dr. Jyotika Saksena at jsaksena@uindy.edu

“I appreciate the great diversity you find at the University of Indianapolis. The graduate program in International Relations has given me the opportunity to learn from knowledgeable, creative professors and interact with students from many cultures. This program has given me a new perspective on the world.” —Julia A. Whitehead, International Relations graduate student
Shaheen Arts & Sciences: Life Sciences
Graduate Life Sciences

The Biology Department at the University of Indianapolis offers a Master of Science degree in Life Sciences for active secondary and middle school teachers. The curriculum is designed to offer higher level content promising students for professional programs in the biomedical sciences. The program emphasizes rigorous training in small class, personal interaction with faculty, and hands-on learning.

Anatomical Sciences Faculty

Sandra Davis (PhD, Indiana, 2003); Professor of Biology: botany, plant reproductive biology, genetics and evolutionary biology. sdavis@uindy.edu

Kevin Gribbins (PhD, University of Cincinnati, 2003); Assistant Professor of Biology: histology, comparative anatomy, herpetology. gribbinsk@uindy.edu

John H. Langdon (PhD, Yale, 1984); Professor of Biology and Anthropology, Director of the Life Sciences Program: functional and evolutionary anatomy, neuroscience, human evolution. langdon@uindy.edu

Marc Milne (PhD, Old Dominion University, 2010); Assistant Professor of Biology, Director of General Biology; spider ecology and taxonomy. milnem@uindy.edu

Stephen P. Nawrocki (PhD, SUNY-Binghamton, 1992, DABFA, 1996); Sease Distinguished Professor of Forensic Studies, Professor of Biology, Director of the Graduate Human Biology Program: forensic age estimation, taphonomy, postmortem interval, biostatistics, comparative anatomy. snawrocki@uindy.edu

Daniel Scholes (PhD, Illinois, 2013); Assistant Professor of Biology: evolutionary ecology, population genetics, plant biology. scholesd@uindy.edu

Douglas J. Stemke (PhD, Louisiana State, 1993); Associate Professor of Biology: microbiology. stemked@uindy.edu

P. Roger Sweets (PhD, Indiana, 1996); Associate Professor & Chair of Biology Department: ecology, evolutionary biology, ornithology. rsweets@uindy.edu

Dean A. Wiseman (PhD, Purdue 2004): Assistant Professor of Biology: physiology, spelunking. wisemand@uindy.edu

Kim Baker (PhD, Ohio State, 2002); Assistant Professor of Biology and Affiliated Faculty of Teach (STEM). bakerkm@uindy.edu

David Wolfe (MS, Louisville, 2004); Instructor of Biology: anatomy, physiology, biomechanics. wolfed@uindy.edu

Admission Requirements

- Completed bachelor’s degree and active teaching employment or licensure.
- Required Application Materials
- Apply at http://www.uindy.edu/graduate/new.php.
- Completed application to the MS program in Anatomical Sciences.
- A typed personal statement describing current teaching responsibility and/or professional goals.
- A statement of employment from your principal or two letters of reference
- Official transcripts showing all undergraduate and graduate coursework.
• A $30 application fee (checks are to be made out to the University of Indianapolis).

We encourage prospective students to contact the Program Director for assistance and advice. A visit and personal interview are welcomed.

Program Requirements and Policies
• A minimum of 30 graduate hours must be completed. Up to eight of these hours may be taken outside of the Biology Department as applicable and if approved by the student’s advisor and the program director. An applicable 400-level undergraduate course taught at the University of Indianapolis may be allowed to count toward the graduate degree if a similar course is not available at the graduate level and if it has not already been applied to an undergraduate degree.
• Required hours will include three summer graduate sessions on ecology and evolution, anatomy and physiology, and cell biology and genetics (6 hours each).
• All students must register for at least one course per year or else must formally petition the program director for a temporary leave of absence.
• Additional policies applicable to all graduate students in the College of Arts & Sciences at the University of Indianapolis are outlined at the beginning of this catalog.

For more information about Life Sciences, email Dr. John Langdon at langdon@uindy.edu.

Course Descriptions
Please consult your advisor before registering for classes.
Courses are offered as follows:
Y = Every year
O = Every other year
SI = Semester I
SII = Semester II
D = On sufficient demand

BIOL 560–567 Special Topics. Special topics courses include directed readings and small group discussions on a focused topic of interest. Students may receive credit more than once for these courses if a different topic is covered each time. 1 to 4 credit hours (D)

BIOL 560 Topics in Anatomy
BIOL 561 Topics in Physiology
BIOL 562 Topics in Evolution
BIOL 563 Topics in Ecology
BIOL 564 Topics in Osteology
BIOL 565 Topics in Systematics
BIOL 566 Topics in Animal Behavior
BIOL 567 Topics in Forensics

**For additional electives, see courses listed under Anatomical Sciences.
Shaheen Arts & Sciences: Social Practice Art
Graduate Social Practice Art

The SPA courses will help students learn the history, context and tools of socially engaged art and creative placemaking. Students will gain hands-on experience through the practice of this site-specific, public work in preparation for a future artistic practice/career in art that engages people in communities. Doing socially engaged art in a community is the practice of artists, just like painting or ceramics or performances or poetry.

The Social Practice Artist will work within community organizations to develop and execute projects based on the student's specific artistic practice. The program has a foundation based in Social Practice Art, Sociology, and Writing courses with an undergraduate degree in one of the following disciplines: Art & Design, Theatre, Music, or Creative Writing.

Faculty
Juan William Chávez (MFA, Art Institute of Chicago, 2004) Faculty, Social Practice Art

Kevin McKelvey (MFA, Southern Illinois University Carbondale, 2004), Director, Social Practice Art and Associate Professor of English, mckelveyk@uindy.edu

LaShawnda Crowe Storm (MFA, Art Institute of Chicago, 2004) Faculty, Social Practice Art


For additional information, please contact Kevin McKelvey at mckelveyk@uindy.edu.

Admission Requirements
1. A major or minor in arts discipline (Art & Design, Music, Theatre, Dance, Creative Writing)
2. A completed application
3. $35 application fee
4. Statement of Purpose:
   - Describe your academic background and creative practice relevant to the program
   - Explain how you want to turn your art practice into a social and community endeavor
5. A summary of previous work, volunteer, and professional experience
6. Two (2) letters of recommendation from professional or academic recommenders
7. Official academic transcript from an accredited college or university from which you earned degree(s)
8. Professional CV:
   - All colleges/universities attended along with enrollment dates with majors, minors, and relevant coursework
   - Any awards or fellowships
   - Any art installations or shows, exhibits, performances, publications, readings, or presentations
   - Any international experience, languages, volunteer experience, or other relevant experiences

Program Requirements and Policies

Required Courses (30 hours)
SPA-500: Social Practice Art I: History and Theory (3hrs) (new course)
SPA-510: Social Practice Art II: Contemporary Methods and Practice (3hrs) (new course)
SPA-520: Creative Placemaking I: Theory and Research Methods (3hrs) (new course)
SPA-525: Creative Placemaking II: Design and Practice (3hrs) (new course)
SPA-535: Social Entrepreneurship (3hrs) (new course)
SPA-550: Social Practice Art Practicum (1hr may be repeated for up to 3hrs) (new course)
SPA-590: Social Practice Art Thesis Research (1-3hrs) (new course)*
SPA-595: Social Practice Art Thesis Project (3-5hrs) (new course)*
SOC-500: Urban and Community Sociology (3hrs) (existing course)
ENGL-583: Writing & Editing for Nonprofits (3hrs) (existing course)

Additional Courses Not Required in Graduate Program:
SPA-545: Internship (1-3 hours)
SPA-580: Special Topics (1-3 hours)

* Thesis Proposal and Thesis cannot be more than 6 hours

Social Practice Art Graduate Course Sequence
Semester 1
SPA-500 Social Practice I - History and Theory (3 hours)
SPA-520 Creative Placemaking I - Theory and Research Methods (3 hours)
SOC-500 Urban & Community Sociology (3 hours)
SPA-550 Social Practice Art Practicum (1 hour)

Semester 2
SPA-510 Social Practice II – Contemporary Methods and Practice (3 hours)
SPA-525 Creative Placemaking II - Design and Practice (3 hours)
ENGL-583 Writing for Nonprofits (3 hours)
SPA-550: Social Practice Art Practicum (1 hour)

Summer
First 7 weeks
SPA-535 Social Entrepreneurship (3 hours)
SPA-550 Social Practice Art Practicum (1 hour)
SPA-590: Social Practice Art Thesis Research (1-3 hours)

Second 7 weeks
SPA-595 Social Practice Art Thesis Project (3-5 hours)

Course Descriptions
Please consult the director before registering for classes.
Courses are offered as follows:
Y = every year
O = every other year
SI = Semester I
SII = Semester II
D = on sufficient demand
SPA 500: Social Practice Art I – History and Theory. This course provides students with a survey of the kind of art that influences and predicted social practice art (SPA): work that may be audience-centered, activist, ephemeral, collaborative, participatory, social, focused on performance and process. The course examines ideas, theories and practices of artists and their work. Examples may include Dada and the Surrealists in the early 1900s to Fluxus and happenings in the 1960s and 1970s to the more recent process and time-based art, relational aesthetics/participatory art, activist art, community art, and social practice art. 3 Hours. (Y) (SI)

SPA 510: Social Practice Art II – Contemporary Methods and Practice -- This course examines, with depth and detail, the methods and practice of contemporary artists embedded in communities around the world. Many of the most resonant and powerful social practice projects come from artists making longer-term investments in the places where they live and collaborating, over time, with residents in that community. This class then pairs exploring the work of these artists with research and a semester-long connection to the Shelby Street Corridor work of Big Car Collaborative in the UIndy community area. This class will be paired with a series of events open to the public: film screenings, discussions, and speakers. Artists/projects receiving deeper exploration include Big Car, The Writers Center of Indiana, Indy Reads, Vouched Books, Open Field at the Walker Art Center and Artx at the Indianapolis Museum of Art, Machine Project, Conflict Kitchen, Francis Whitehead, Laundromat Project, Project Row Houses. 3 hours. (Y) (SII)

SPA 520: Creative Placemaking I – Theory and Research Methods
This course focuses on how artists are at the forefront of creating and activating spaces for community engagement, economic development, or social value. Students will learn the history and theory of the field and develop knowledge in working with community members, local government, and other entities. The class culminates with a Placemaking Proposal involving primary research, asset mapping, and recommendations. 3 hours. (Y) (SI)

SPA 525: Creative Placemaking II – Design and Practice
This course builds on creative placemaking theories and research methods and introduces concepts of site design and development, community engagement, project management, and project installation. Throughout the course, students will design and implement placemaking projects and also learn methods to gather community input before, during, and after projects. 3 hours. (Y) (SII)

SPA 535: Social Entrepreneurship
This course focuses on the basic principles of entrepreneurship within the general context of the arts and creative placemaking. The course will present emerging entrepreneurial models that blend business development and community engagement, such as creative or cultural entrepreneurship and social enterprise. The course will explore structures that are emerging as this blending occurs, such as public/private/philanthropic partnerships and micro-investing. In addition, the course will provide an understanding of the philosophy and practice of fund development. Students will have an opportunity to prepare and evaluate funding proposals and develop related budgets and plans for implementation and evaluation. 3 hours. (Y) (SII)

SPA 545: Internship. A professional experience in social practice art or creative placemaking with a nonprofit or business, supervised by a professional at the organization and by a faculty member. Academic credits arranged by site hours per week during the semester, including summers. 1-3 hours. (D)

SPA 550: Practicum. An academic experience in social practice art or creative placemaking that includes site hours to work on project in the community. In most cases, practicums will be offered with a partial
online component, and the majority of site hours will be completed in one weekend. 1-3 hours. (Y) (SI) (SII) (Su)

SPA 580: Special Topics. A course in a specialized area in Social Practice Art or Creative Placemaking. This course may be cross-listed with approved courses from other departments. A student may receive credit more than once for SPA 540 if a different topic is covered each time. 1-3 hours. (D)

SPA 590: Thesis Research and Proposal. In Thesis Proposal, students will gather the necessary research and artistic influences for their project and come up with a plan for implementing the Social Practice Art or Creative Placemaking project during the thesis hours. Students will also update their portfolio with their social practice art, resume, and artist’s statement. 1-3 hours. (Y) (Su)

SPA 595: Thesis. Students will pursue an independent and self-defined project relevant to their practice in social practice art or creative placemaking. Each student will implement and document his/her project as a culminating experience in the program. 3-5 hours. (Y) (Su)
Shaheen Arts & Sciences: Additional Liberal Arts Courses

Additional Liberal Arts Courses

The following courses are offered through the Music Department in a workshop format during the summer. The courses are designed primarily for music teachers seeking additional knowledge or skills and/or working toward certification renewal.

All courses require permission of the instructor.
Courses are offered as follows:
Y = every year
O = every other year
SI = Semester I
SII = Semester II
D = on sufficient demand

MUS 510 World Music in the Classroom. As the cultural diversity of the American classroom becomes ever more apparent, music educators are recognizing the need for multicultural music experiences. This workshop will lead participants to recognize that there is an astounding variety of equally valid forms of musical expression. Participants will become more flexible and skilled in ability to perform, listen intelligently, and appreciate the inherent worth of music traditions of different cultural groups. World Music in the Elementary Classroom will feature guest performers, videotapes, and slides of fieldwork, films, lecture and discussion, and classroom presentations of resource materials and classroom activities. The cultures of Asia, Africa, and North America will be emphasized as participants become familiar with musical instruments, vocal styles, dance styles, and musical occasions. 2–3 credit hours (D)

MUS 568 Choral Union. Mixed (SAT B) choral ensemble that performs music of all eras but focuses primarily on major works of the choral/orchestral repertory. International concert tours on alternate years. Meets three hours weekly on Sunday evenings. Audition required. 2 credit hours (D)

MUS 573 Applied Music. Private lessons are available for graduate credit in all instruments, voice, composition, and conducting. 1–2 credit hours (D)

MUS 580 Special Topics: MAC MIDI Basics. Music teachers at all levels are required to demonstrate basic computing skills for teaching, administrative, and creative applications. Workshop participants will begin with music sequencing and notation software and will explore Macintosh software that can be used for music instruction at all levels. An individualized approach will be used; the instructor will create specialized learning environments for each participant. Experiences in word processing, database, and spreadsheet applications are available in the University of Indianapolis Music Computer Laboratory. Emphasis will be on transferring skills to classroom use. No prior experience with personal computers is needed for this workshop. 2 credit hours (Y)

MUS 580 Special Topics: Beethoven/Schubert Seminar. Study of musical genesis and structure, source writings and historical studies, analytical approaches, and critical interpretations relating to the works of Beethoven and Schubert. 3 credit hours (D)

MUS 580 Special Topics: Jazz Conductor’s Seminar. This seminar is designed to teach Jazz Pedagogy for music teachers and to cover topics essential to running a jazz program or teaching jazz privately. These topics include how to practice improvisation, how to construct a bass line, how to create jazz time feeling, how to select material, etc. The seminar occurs during the Combo Camp for high school students and hence provides the opportunity to see how students progress. There are nightly faculty concerts. 3 credit hours (D)
MUS 580 Special Topics: Choral Directors Workshop. Each summer the Indiana Choral Directors Association holds a conference at the University of Indianapolis. National and local clinicians present lectures and demonstrations on topics critical to the choral music teacher. Laboratory choirs of various ages participate. 1 credit hour (Y)

MUS 580 Special Topics: Instrumental Conducting Workshop. Open to conductors of all levels, this workshop presents a nationally known guest with UIndy faculty as clinicians who coach workshop participants in conducting the Symphonic Wind Ensemble in prepared repertoire. Special lecture/discussion topics also are presented. 1 credit hour (Y)

MUS 580 Special Topics: Audio for Music Educators. Course content will include a brief overview of various aspects of audio technology as it applies to the music educator. Topics covered will include live sound reinforcement, basics of audio recording, microphone types and usage, and fundamentals of troubleshooting and maintenance. (D)

MUS 580 Special Topics: Contemporary Vocal Styles. A course designed to acquaint the choral educator with a variety of stylization techniques utilized in the performance of vocal jazz and popular music. Many techniques idiomatic to music of this genre are not notated. Special attention will be given to these areas. (Y)

Courses in Other Arts and Sciences Departments
MATH 510 Applied Statistics. This course presents various statistical methods that are useful to students and professionals in the Life Sciences. Topics include estimation and hypothesis testing, analysis of variance and covariance, simple and multiple regression techniques, logistic regression, count data analysis, and nonparametric methods. 3 credit hours

ESCI 585 Directed Readings in Earth Space Science. 1–4 hrs. (D)

“I chose the University of Indianapolis graduate program for many reasons. The ease of registering for classes, the helpful and friendly staff, the qualified and interested professors, and the entire learning environment of the University make it the best choice of all schools in the central Indiana area.”—Sarah Houston Dicks, English graduate student
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