College of Arts & Sciences
The College of Arts and Sciences is the largest, and the most diverse, of the four colleges at Sacred Heart University. The college offers Bachelor of Arts and Bachelor of Science degrees; Associate in Arts and Science degrees; Master’s degrees in Chemistry, Computer Science, Criminal Justice, Psychology, and Religious Studies; and a variety of minors. The degrees are offered through the following academic departments: Biology, Chemistry, Communication, Criminal Justice, Computer Science, English, Foreign Languages and Cultures, Government and Politics, Graphic Design and Visual Arts, History, Mathematics, Philosophy, Theology and Religious Studies, Psychology, Social Work, Sociology, and Special Programs. The College of Arts and Sciences strives to provide a learning environment that fosters the growth, development, and nurturing of the entire individual.

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<th>DISCIPLINE</th>
<th>COURSES ONLY (NO MAJOR/MINOR)</th>
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**Anthropology**

Anthropology is the study of human culture, behavior and biology from a holistic, global and comparative perspective. As a field of study it examines the similarities, differences and development of human culture, behavior and biology. The Anthropology curriculum emphasizes the subfield of cultural anthropology. Cultural anthropology focuses on the concept of culture, role of culture in contemporary problems and issues, and on the wide range of human cultural patterns in the contemporary world.

**COURSE DESCRIPTIONS**

†ANCC103 The Human Community:
The Individual and Society 3 CR
This is the third of four courses in The Human Journey, Sacred Heart University’s
Common Core Curriculum. As part of the University’s Common Core, The Human Journey, ANCC103 addresses the four core questions from the anthropological perspective. With an emphasis on the unity, diversity and development of human biology and culture, the anthropological perspective offers a unique opportunity to engage the Catholic intellectual tradition and examine the enduring questions of human existence.

AN 103 Archeology 3 CR
Focuses on how archeology as a scientific discipline attempts to understand the development of the cultural adaptations of human groups throughout prehistory and history, and how archeology interprets the past. Topics include how archeological sites are formed, dating techniques and the analysis of plant, animal, and human artifacts and remains. With a hands-on approach, students are presented case scenarios relating to archeological digs to better understand the thinking process involved in reconstructing the past.

†AN 110 Human Cultural Diversity 3 CR
The aim of this course is for students to develop an anthropological imagination and understand its relevance for living in the contemporary world. An anthropological imagination involves cultivating an interest in and an understanding of the unity, diversity, and development of human biology, society, and culture. As an introduction to the study of human cultural diversity, this course emphasizes the concept of culture, human sociocultural variation, and patterns of sociocultural change in contemporary human societies.

†AN 201 World Cultures 3 CR
Examines a cross section of societies, including hunter-gatherer, horticultural, peasant, pastoral and industrial. Themes of cultural diversity, cultural contact and understanding “the other.”

†AN 205 North American Indians 3 CR
Covers the cultural development and diversity of aboriginal North America, the impact of European contact on Native American societies and contemporary issues among North American Indians.

†AN 250 Doing Ethnography: Qualitative Research in the Social Sciences 3 CR
The aim of this course is for students to develop an understanding of and an ability to use ethnography as a method of social science research. Combining theoretical and applied readings and practical assignments, the focus is on participant observation and interviewing, writing field notes, and the transformation of field data into ethnographic documents. In addition, students develop an understanding of the epistemological, political, and ethical issues surrounding ethnographic research. Prerequisite: SO110 or AN110

†AN 280 Native American Literature 3 CR
Native American literature is explored in order to develop an understanding of the history, society and culture of Native Americans, and an appreciation of their literary contributions.

AN 299 Special Topics in Anthropology 3 CR
Designates new or occasional courses (i.e., one capitalizing on a timely topic). Prerequisites: Established by the department as appropriate for the specific course.

Biology

The Biology Department’s curriculum is designed to reflect the complexity and diversity of the living world. Graduates will be conversant in the cellular and molecular basis of life, the design and functioning of individual organisms and the ecological interactions of organisms. They will respect the primacy of evidence and appreciate its role in the historical development and advancement of a discipline. Graduates will be able to
analyze evidence in a critical fashion through exposure to data analysis in literature and in laboratory coursework. Finally, graduates will be cognizant of the possible social impact of biological progress and will be prepared to wrestle with the difficult ethical conflicts resulting from such advancement.

Students may choose from one of four different concentration areas to support these academic objectives: Traditional, Molecular and Cellular Biology, Ecology and Conservation Biology and Neuroscience. The foundation of each of these concentrations is a common set of core biology courses, including genetics, evolutionary analysis, cell biology or animal physiology, and ecology. The Traditional program emphasizes a broad training in biology by requiring one upper-division elective in each of three modules corresponding to different levels of biological organization. The Molecular and Cellular Biology concentration emphasizes coursework in molecular and cellular biology, microbiology and cell/molecular biology, and is ideal for students preparing for graduate or professional training in the biomedical sciences or employment in the pharmaceutical and Molecular and Cellular Biology industries. The Ecology and Conservation Biology concentration is designed to prepare students for graduate training and/or careers in environmental protection and restoration, and emphasizes field work in ecology and conservation. Students concentrating in Neuroscience will have the opportunity to integrate coursework in neurobiology with coursework in psychology. This concentration is excellent preparation for graduate and professional training in the biomedical sciences and careers in the health professions. The Molecular and Cellular Biology, Ecology and Conservation Biology and Neuroscience concentrations also require hands-on learning in the form of supervised research and/or internship, and these experiences are also strongly encouraged for students pursuing the Traditional program. Admission to the Molecular and Cellular Biology, Ecology and Conservation Biology, and Neuroscience concentrations is by application only.

**FACULTY**

- **Kirk Bartholomew, Ph.D.**
  Associate Professor, Chair

- **Mark Beekey, Ph.D.**
  Assistant Professor

- **Suzanne M. Deschénes, Ph.D.**
  Associate Professor

- **Mark Jareb, Ph.D.**
  Associate Professor

- **Marian Leal, M.S.**
  Instructor

- **Jennifer H. Mattei, Ph.D.**
  Associate Professor

- **Barbara Pierce, Ph.D.**
  Assistant Professor

- **Nicole Roy, Ph.D.**
  Assistant Professor

- **Geffrey F. Stopper, Ph.D.**
  Assistant Professor

- **Thomas Terleph, Ph.D.**
  Assistant Professor

**BIOLOGY LABORATORIES**

The University supports the biology program with four teaching laboratories, four research laboratories, a field van and a climate-controlled greenhouse. Modern equipment is available for such techniques as electrophoresis, spectrophotometry, high-speed centrifugation, recombinant DNA work, biochemical purification and analyses, oscillography, histological preparation, cell culture, microinjection,
digital data and image acquisition, fluorescence microscopy, physiological measurement and aquatic and terrestrial environmental studies.

MAJOR IN BIOLOGY

The B.S. degree in Biology requires the completion of 40–49 credits in biology and 23–39 credits in supporting courses, many of which also fulfill University elective requirements.

Required Courses for All Concentrations

Required Biology Core Courses
BI 111, 112 Concepts in Biology I and II
BI 113, 114 Concepts in Biology I and II Laboratory
BI 220/BI 221 Genetics and Genetics Laboratory
BI 225/BI 226 Evolutionary Analysis and Evolutionary Analysis Laboratory
BI 311 Cell Biology or BI 312 Systems Physiology
BI 350/BI 351 Ecology and Ecology Laboratory
BI 399 Senior Seminar

Required Supporting Courses for All Concentrations
CH 151, 152, 153, 154 General Chemistry I and II w/Lab
CH 221, 223 Organic Chemistry I w/ Lab
MA 131 Statistics for Decision Making or MA 133 Business Statistics
At least 4 credits in physics at the 100 level or above
One other mathematics course: MA 140 or above
MA 151 is recommended
One course in bioethics or medical ethics is recommended

Additional Required Courses for the Traditional Concentration
Students must elect at least one course from each of the three following modules. Where a course appears in more than one module, its selection can satisfy only one of those modules.

Environmental Biology Module
BI 210 Plant Biology
BI 240 Invertebrate Biology
BI 245 Vertebrate Biology
BI 255 Animal Behavior
BI 260 Marine Biology
BI 265 Conservation Biology

Organismal Biology Module
BI 205 Essentials of Neuroscience
BI 210 Plant Biology
BI 212 Developmental Biology
BI 230 Microbiology
BI 240 Invertebrate Biology
BI 245 Vertebrate Biology
BI 255 Animal Behavior
BI 260 Marine Biology
BI 312 Systems Physiology
BI 325 Immunology
BI 345 Neurobiology

Molecular Biology Module
BI 212 Developmental Biology
BI 230 Microbiology
BI 235 Principles of Biotechnology
BI 311 Cell Biology
BI 325 Immunology
BI 345 Neurobiology
BI 355 Molecular Biology

In addition to the three module electives, a student in the Traditional program must elect one additional biology course from the 200 level or above. BI 132 is the only exception to this rule. Both BI 390 Supervised Research and BI 360 Internship can be used to meet this elective requirement.

Additional Required Supporting Courses for the Traditional Concentration
CH 222, 224 Organic Chemistry II w/Lab
Additional Required Courses for the Molecular and Concentration

**Additional Required Biology Electives for the Molecular and Cellular Concentration**
- BI 230 Microbiology
- BI 235 Principles of Biotechnology
- BI 311 Cell Biology (fulfills the biology core requirement)
- BI 355 Molecular Biology
- BI 360 Internship or BI 390 Supervised Research

**Additional Required Supporting Courses for the Molecular and Cellular Concentration**
- CH 341, 342 Biochemistry I and II
- CH 343, 344 Biochemistry Laboratory I and II
- MA 151 Calculus I (fulfills the MA 140 or above requirement)

**Additional Required Courses for the Ecology and Conservation Biology Concentration**

**Additional Required Biology Electives for the Ecology and Conservation Biology Concentration**
- BI 210 Plant Biology
- BI 240 Invertebrate Biology or BI 245 Vertebrate Biology
- BI 265 Conservation Biology
- BI 390 Supervised Research or one field course at a preapproved biological field station.
- Two additional biology courses from the 200 level or above, replaces CH 222, 224 Organic Chemistry II with laboratory.

**Required Supporting Courses for the Ecology and Conservation Biology Concentration**
- MA 151 Calculus I (Fulfills the MA 140 or above requirement)

**Additional Required Courses for the Neuroscience Concentration**

**Additional Required Biology Electives for the Neuroscience Concentration**
- BI 205 Introduction to Neuroscience
- BI 255 Animal Behavior
- BI 345 Neurobiology
- BI 360 Internship or BI 390 Supervised Research

**Additional Required Supporting Courses for the Neuroscience Concentration**
- CH 222, 224 Organic Chemistry II w/Lab
- PS 110 Introduction to Psychology
- PS elective 200 level or above

Two psychology electives from the following:
- PS 335 Learning and Memory
- PS 351 Physiological Psychology
- PS 352 Hormones and Behavior
- PS 353 Psychopharmacology
- PS 380 Advanced Psychological Research
- PS 389 Special Topics in Neuroscience

**MINOR IN BIOLOGY**

The minor in Biology requires the completion of the following 23-24 credits:

- BI 111 Concepts in Biology I
- BI 112 Concepts in Biology II
- BI 113 Concepts in Biology I Laboratory
- BI 114 Concepts in Biology II Laboratory
- CH 151 General Chemistry I
- CH 153 General Chemistry Laboratory I
- Three biology courses at the 200 or 300 level in consultation with a Biology advisor

**ASSOCIATE IN ARTS GENERAL STUDIES**

**Emphasis Requirements (24 credits)**

- BI 111 Concepts in Biology I
- BI 112 Concepts in Biology II
- BI 113 Concepts in Biology I Laboratory
- BI 114 Concepts in Biology II Laboratory
- CH 151 General Chemistry I
- CH 153 General Chemistry Laboratory I
- Three biology electives at the 200 or 300 level chosen in consultation with a Biology advisor
Biology Common Core Course

BI CC 103 Human Journey: Scientific Discovery

COURSE DESCRIPTIONS

†BICC 103 The Human Community and Scientific Discovery 3 CR
This is the third of four courses in The Human Journey, Sacred Heart University’s Common Core Curriculum. This course focuses on the scientific approach and its uses and limits in addressing the four fundamental core questions of human meaning and value. The practice of scientific inquiry with respect to political, social and cultural factors will also be examined, particularly in the context of the Catholic intellectual tradition. Potential topics to be discussed include learning about your own ancient genetic lineage, evolution, genetic testing, environmental pollution, global climate change, and disease prevention.

†BI 010 The Nature of Life 4 CR
Examines molecular and cellular nature of life, energy systems in plants and animals, origin of life, basic evolutionary strategies and ecological principles. Three hours of lecture and two hours of experiment and discussion per week. Non-science majors.

†BI 020 Heredity and Society 3 CR
A genetics course examining the evidence for proposing the existence of genes, the molecular nature of genes and the ethical implications of recent advances in genetic research. Three hours of lecture per week. Non-science majors.

†BI 025 Connecticut Wildlife 3 CR
A laboratory and field-oriented core course. Emphasis on wildlife and habitat diversity in the American Northeast, especially Connecticut. The central theme is adaptation. Topics include predation, migration, reproduction and species identification. Five hours per week. Non-science majors.

†BI 026 Winter Wildlife 3 CR
A laboratory and field-oriented core course. Emphasis on winter adaptations of wildlife in the American Northeast, especially Connecticut. Topics include migration, species identification, tracking and feeding ecology. Five hours per week. Non-science majors.

†BI 030 The Human Body 3 CR
Focuses on human physiology and the role humans play in the health and maintenance of their bodies. Topics include human organization, processing and transporting, integration and coordination and reproduction. Three hours of lecture per week. Non-science majors.

†BI 040 Coastal Ecology 3 CR
This course investigates the interrelationship between coastal environments and the organisms living in these environments. It also looks at related societal implications. Non-science majors.

†BI 050 Biology of Poisons 3 CR
This course presents the principles of toxicology within a human context, discusses how toxicology affects everyday life, and investigates the broader issues for public health and disease prevention. This is an online course for non-science majors.

†BI 052 Environment and Sustainability 3 CR
Students will learn about environmental science, exploring how human activity changes our natural environment. The importance of clean air, land, and water will also be discussed. Non-science majors.

†BI 070 Plants of Connecticut 3 CR
A laboratory and field-oriented course emphasizing identification of local plant life, plant structure and functions, life histories, and ecological relationships. Non-science majors.

†BI 111 Concepts in Biology I 3 CR
 Discusses cell biology, energetics,
genetics, origin of life and evolution. Three hours of lecture, one hour of discussion per week. Corequisite: BI 113

**BI 112 Concepts in Biology II 3 CR**
Addresses organismal organization, transport, nutrition, control of the internal environment, hormonal and neural control and reproduction in plants and animals. Three hours of lecture, one hour of discussion per week. Corequisite: BI 113

**BI 113 Concepts in Biology I Laboratory 1 CR**
Focuses on fundamental biological methods, including microscopic techniques; cell structure; biological chemistry; cellular physiology; molecular biology and cell division. One three-hour session per week. Corequisite: BI 111

**BI 114 Concepts in Biology II Laboratory 1 CR**
A survey of biodiversity including bacteria, fungi, plants, and animals. Selected topics include investigations of plant and animal physiology. One three-hour session per week. Prerequisite: BI 113; Corequisite: BI 112

**BI 126 Nursing Anatomy and Physiology I 3 CR**
Lecture on the investigation of cell structure and function, tissues, skeletal, muscular and nervous systems. Nursing students only. Three hours of lecture and one hour of discussion. Corequisite: BI 127

**BI 127 Nursing Anatomy and Physiology I Laboratory 1 CR**
Laboratory involves investigation of cell structure and function, tissues, skeletal, muscular and nervous systems. Three hours of laboratory. Corequisite: BI 126

**BI 128 Nursing Anatomy and Physiology II 3 CR**
Lecture involves the investigation of the endocrine, cardiovascular, lymphatic, respiratory, digestive, urinary, and reproductive systems. Nursing students only. Three hours of lecture and one hour of discussion. Prerequisites: BI 126 and BI 127; Corequisite: BI 129

**BI 129 Nursing Anatomy and Physiology II Laboratory 1 CR**
Laboratory involves the investigation of the endocrine, cardiovascular, lymphatic, respiratory, digestive, urinary, and reproductive systems. Three hours of laboratory. Corequisite: BI 128

**BI 131 Human Anatomy and Physiology I 3 CR**
Lecture on the investigation of the tissues, skeletal, muscular, and nervous systems. This section is for students interested in athletic training, exercise science, physical therapy, occupational therapy, or physician assistant programs. Three hours of lecture per week. Prerequisites: BI 111 and BI 113; Corequisite: BI 132

**BI 132 Human Anatomy and Physiology II 3 CR**
Lecture involves the investigation of endocrine, cardiovascular, lymphatic, respiratory, digestive, urinary, and reproductive systems. Three hours of lecture per week. This section is for students interested in athletic training, exercise science, physical therapy, occupational therapy, human movement or physician assistant programs. Three hours of lecture. Prerequisites: BI 131 and BI 133; Corequisite: BI 134

**BI 133 Human Anatomy and Physiology I Laboratory 1 CR**
Laboratory involves investigation of the tissues, skeletal, muscular, and nervous systems. Three hours of laboratory. Corequisite: BI 131

**BI 134 Human Anatomy and Physiology II Laboratory 1 CR**
Laboratory involves the investigation of endocrine, cardiovascular, lymphatic, respiratory, digestive, urinary, and reproductive systems. Three hours of laboratory. Corequisite: BI 132

Note: BI 132 may not be taken for
BI 161 Introduction to Microbiology 3 CR
The study of microorganisms with emphasis on morphology; cultivation, genetics of bacteria, viruses and fungi, and infectious diseases caused by these microbes. Nursing students only. Three hours of lecture per week. Corequisite: BI 162

BI 162 Introduction to Microbiology Laboratory 1 CR
Laboratory work stresses aseptic technique and the microscopic, nutritional and biochemical characteristics of bacteria. One three-hour laboratory period per week. Corequisite: BI 161

BI 205 Essentials of Neuroscience 3 CR
This course is an introduction to neuroscience, a discipline in which the biological and psychological sciences are integrated. This broad overview addresses topics ranging from the cellular physiology of neurons to issues of human language, cognition and mental illness. Prerequisite: BI 111, BI 113, PS 101

BI 210 Plant Biology 4 CR
Three diverse topics in plant biology are introduced: plant evolution and diversity, the physiological ecology of plants, and the linked topics of ethnobotany and economic botany. Laboratory work concentrates on intensive investigations of the life cycle and physiology of the popular laboratory organisms Arabidopsis thaliana and Ceratopteris richardii. Three hours of lecture and three hours of laboratory per week. Prerequisites: BI 112 and BI 114

BI 212 Developmental Biology 4 CR
Examines cellular and molecular aspects of animal development, from gametogenesis to morphogenesis and pattern formation. Laboratory work includes investigations on fertilization, cellular differentiation, regeneration and the development of vertebrate organ systems. Three hours of lecture and three hours of laboratory per week. Prerequisites: BI 112, BI 114 and BI 220

BI 220 Genetics 3 CR
The study of inheritance, with emphasis on the evidence that led to the emergence of the areas of transmission and the development of molecular genetics. Ethical issues precipitated by genetic research are discussed. Three hours of lecture per week. Prerequisites: BI 111 (minimum grade of C), BI 113 (minimum grade of C), MA 131 or MA 133, CH 151 and CH 153 (math and chemistry courses may be taken concurrently). Corequisite: BI 221

BI 221 Genetics Laboratory 1 CR
Laboratory work demonstrates the power of organisms such as E. coli, Drosophila, and S. cerevisiae in studying transmission genetics and mutagenesis. Basic techniques in molecular biology and microbiology are introduced. Three hours of laboratory per week. Corequisite: BI 220

BI 225 Evolutionary Analysis 3 CR
Utilizing an investigative framework, students explore the relevance of evolution to real-life problems, and understand that both evolution and natural selection are observable processes. Mechanisms of evolutionary change and the history of life on earth will also be explored. Three hours of lecture per week. Prerequisite: MA 131 or MA 133, BI 112 (minimum grade of C), BI 114 (minimum grade of C); Corequisite: BI 226

BI 226 Evolutionary Analysis Laboratory 1 CR
Three hours of laboratory per week. Corequisite: BI 225

BI 230 Microbiology 4 CR
Microbial diversity and the evolution, physiology, genetics and ecology of microbes are addressed. Specific topics include: epidemiology and infectious disease and the use of microorganisms in industry and research. Laboratory work focuses on modern molecular methods of experimental microbiology and bacterial identification, including
a student-designed research project. Three hours of lecture and three hours of laboratory per week. Prerequisites: BI 111, BI 113, CH 151 and CH 153

**BI 235 Principles of Biotechnology 4 CR**
This course focuses on the fundamental biotechnology techniques (e.g., nucleic acid analysis and genomics, bioinformatics, cell culture and proteomics) used in modern industrial research laboratories through the application of a semester-long project. Prerequisite: BI 220, MA131; Prerequisite or Corequisite: CH 221/223

**BI 240 Invertebrate Biology 4 CR**
Examines the evolution and ecology of invertebrates including: phylogenetic relationships, life history, physiology, and morphological adaptations. Laboratory component includes dissections and field trips to Long Island Sound. Three hours of lecture and three hours of laboratory per week. Prerequisites: C or better in BI 112 and C or better in BI 114

**BI 245 Vertebrate Biology 4 CR**
Examines the evolution and ecology of the vertebrates, including taxonomy, life history, anatomy and physiology of extant and extinct vertebrates. Three hours of lecture and three hours of laboratory per week. Prerequisites: C or better in BI 112 and C or better in BI 114

**BI 255 Animal Behavior 4 CR**
An introduction to how animals of all different types use behaviors as strategies for interacting with the environment. Behaviors studied include communication, habitat selection, migration, mate choice, breeding and parental care. Development and physiological control of behaviors are also examined. Three hours of lecture and one laboratory/field session per week. Prerequisites: BI 112, BI 114, MA 131

**BI 260 Marine Biology 4 CR**
Examines the structure and function of marine habitats at the organismal, population community, and ecosystem levels. Laboratory includes field investigation of different types of estuarine and coastal habitats and design of basic and applied marine ecological investigations. One mandatory overnight weekend field trip. Three hours of lecture and one three-hour laboratory per week. Prerequisites: C or better in BI 112 and C or better in BI 114; MA 131

**BI 265 Conservation Biology 4 CR**
The focus of this course is on the science of conservation biology in the context of environmental policy, socioeconomic demands and environmental ethics. Prerequisite: BI 112, BI 114

**BI 299 Special Topics in Biology 3–4 CR**
Designates new or occasional courses that may or may not become part of the department’s permanent offerings. Prerequisites are established by the department as appropriate for the specific course. Course title is shown on the student’s transcript. Consult the current course schedule for available topics and prerequisites.

**BI 311 Cell Biology 4 CR**
Covers advanced topics in eukaryotic cell biology with emphasis on cell identity, protein transport, and cellular physiology. Laboratory work includes cell culture, immunocytochemistry, and other biological analyses. Three hours of lecture and three hours of laboratory per week. Prerequisites: BI 220, CH 152 and CH 154

**BI 312 Systems Physiology 4 CR**
Investigation of the physiology of vertebrate systems. Topics include cardiovascular, respiratory, neural, muscular, digestive, endocrine, reproductive and excretory physiology. Laboratory instruction includes practical investigation and research projects into the physiology of vertebrates. Prerequisites: BI 112, BI 114, CH 152 and CH 154

**BI 325 Immunology 3 CR**
Examines the immune response including characteristics of antigens,
antibodies, and antigen-antibody interactions. Three hours of lecture per week. Prerequisite: BI 220/BI 221

**BI 345 Neurobiology 4 CR**
Covers cell biology of neurons, electrical and biochemical signaling, motor control, sensation and perception, learning and memory, and brain anatomy. Laboratory instruction includes practical investigations and survey research projects into the above topics and related illnesses. Prerequisites: BI 112, BI 114, CH 152 and CH 154

**BI 350 Ecology 3 CR**
Examines fundamental concepts of plant and animal interactions as revealed by field and laboratory studies of populations, communities and ecosystems. Three hours of lecture per week. Prerequisites: BI 112, BI 114, CH 152, CH 154 and MA 131; Recommended course: MA 151; Corequisite: BI 351

**BI 351 Ecology Laboratory 1 CR**
One three-hour laboratory/field session per week. Corequisite: BI 350

**BI 355 Molecular Biology 4 CR**
Provides foundations of molecular biology and recombinant DNA technology, analysis of relevant primary journal articles, hands-on training in recombinant DNA techniques, and exposure to the use of computers in DNA sequence analysis and scientific communication. Prerequisites: BI 220, CH 152 and CH 154

**BI 360 Internship 3–6 CR**
A study of a biological topic or of an interdisciplinary project that provides majors with an opportunity to gain experience not specifically available in Sacred Heart University’s Biology curriculum. Students complete an internship portfolio under the direction of an appropriate professional in consultation with a biology faculty advisor.

**BI 390 Supervised Research 3 CR**
Individual research projects in the basic areas of Biology under the supervision of faculty. Prerequisites: A 3.0 GPA and permission of the supervising faculty member.

**BI 398 Senior Seminar Preparation (Fall or Spring Junior Year) 1 CR**
This course is designed for students to begin working on their Senior Thesis. Prerequisites: BI 220/221 and BI 225/226

**BI 399 Senior Seminar 2 CR**
A capstone course for the Biology major. A review of current research and literature in a specialized field of biological science. A research paper and final oral presentation on a selected topic is required. Prerequisites: Senior status and permission of advisor.

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**Catholic Studies**

**FACULTY**

**June-Ann Greeley, Ph.D.**
*Program Director*

Catholic Studies refers to academic programs that allow students to explore the Catholic Intellectual Tradition as it is manifested in any and every academic field. Catholic Studies programs are broadly interdisciplinary, and so distinguished from programs of theological or religious studies. Catholic Studies embraces the humanistic quest for knowledge, with a particular focus on the role of Catholic thinkers, Catholic ideas and values, and Catholic institutions in that quest. The insight here is that the exploration of the particular gives a deeper appreciation of the universal. Thus, the word “Catholic” in the phrase “Catholic Studies” has two meanings. On the one hand, it conveys a scholarly focus on the Roman and Eastern Catholic heritage in its theological, philosophical,
historical, literary, artistic, and scientific expressions; on the other, it suggests an intellectual quest that is truly catholic—“universal” in the sense of considering how a tradition of ideas, beliefs, and values has exerted influence “throughout the whole” of Western culture and, indeed, of global society.

The goal of the minor and certificates is to provide students an interdisciplinary exposure to the ideas that constitute the Catholic intellectual traditions. To complete the certificate, a student must take four courses identified by the Director of the Program as part of the Catholic Studies Program. The courses must come from at least two different departments/disciplines, one of which must be Religious Studies. The courses change every semester; they are listed in the schedule of courses issued by the Registrar’s Office. Students should consult with the director of the program to plan their course of study.

MINOR IN CATHOLIC STUDIES

The minor in Catholic Studies requires the completion of 18 credits.

Required Foundation Course: RS 105 Foundations of the Catholic Intellectual Tradition

Any two from the following core courses: PH 221, PH 241, PH 283, RS 242, RS 245, RS 268.

The remaining three courses must be selected from at least 2 distinct disciplines, but overall the minor course of study should include no more than 3 courses in any one discipline.

All students taking a minor in Catholic Studies must complete an Independent Study capstone course and capstone paper. The candidate for the minor in Catholic Studies has full discretion in the selection of department for the Independent Study; however, the director of the minor must be able to participate in the criteria for the capstone paper. The purpose of the capstone course and paper is to afford the candidate an opportunity to integrate his/her Catholic Studies academic history of the Catholic intellectual tradition in Catholic Studies courses into a systematic and meaningful curriculum of readings and scholarship.

CERTIFICATE IN CATHOLIC STUDIES

General Track

The Certificate in Catholic Studies requires 12 credits, by the completion of four approved Catholic Studies courses. The courses must come from at least two different departments/disciplines, one of which must be Religious Studies. To receive the Catholic Studies Certificate, the student must compile a portfolio of at least one piece of writing or other creative work that was evaluated for credit in each course. Concurrent with or after the completion of the fourth course, the student will write, as part of the portfolio, a capstone paper. This paper will present the student's personal understanding of the Catholic intellectual tradition, or critically explain two major themes in the Catholic intellectual tradition; the paper must relate this discussion to each of the courses taken. The portfolio is due to the Catholic Studies director no later than the add/drop date of the semester following the semester in which the fourth course was completed. For more information, contact the director of Catholic Studies Program.

Catholic Social Thought Track

Brian Stiltner, Ph.D.
Director

Since 2000, Sacred Heart University has offered the Catholic Social Thought Scholars Program (CSTS), a multiyear
interdisciplinary learning experience that combines study of the Catholic Church’s social teachings with a field placement in community service, culminating in a research project designed to address a particular social justice issue. Under this certificate, Catholic Social Thought Scholars take 10 credits in the following distribution:

**Candidacy semester (typically spring of Freshman year)**
- CSP 100 CST Candidacy Seminar (1 credit)

**Curriculum year (typically Sophomore year)**
- CC103 A or B The Human Community (3 credits)
- CC104 The Human Search for Truth, Justice and the Common Good (3 credits)

Sections to be chosen in consultation with the Director of CSTS

**Capstone year (typically Junior year):**
- CSP 398 CST Capstone Project (3 credits)

The minor in Catholic Studies and both tracks in the certificate require the completion of a capstone project or a capstone paper. Catholic Studies students participate in a presentation ceremony held at the end of the academic year. All Catholic Studies candidates as well as interested faculty and staff are invited. During the ceremony Catholic Studies students present a short talk on their course of study and offer a summary of and reflection on their capstone project or paper, after which they are available for questions from the audience. At the close of the ceremony, each Catholic Studies student receives a certificate in honor of their accomplishment.

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**COURSE DESCRIPTIONS**

**CSP 100 Catholic Social Thought Candidacy Seminar 1 CR**
Candidates in the Catholic Social Thought Scholars Program are introduced to volunteer service, economic problems of the local community, and theological reflection.

**CSP 398 Catholic Social Thought Capstone Project 3 CR**
Continuing to employ the methodologies of theological, ethical, and social reflection, the Catholic Social Thought Scholar will develop an independent research project designed to address a specific aspect of a social justice issue that has informed the scholar’s study thus far. Requires participation in a seminar with other CST scholars at the capstone level.

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**Chemistry**

The Chemistry program is committed to academic excellence and seeks to prepare students for industry, graduate school or professional school. This is achieved through a broad-based education that includes exposure to the major areas of Chemistry (analytical, biochemistry, environmental, inorganic, organic and physical) in both the classroom setting and in the laboratory. The required undergraduate research component of the degree provides an opportunity for the investigation of an original project.

The strengths of the department include small class sizes; extensive interaction with faculty; an award-winning student affiliate American Chemical Society chapter; instruction that uses the latest innovations in technology, teaching pedagogy and lab equipment; opportunities for community service; and the possibility for internship and co-op positions. The department also provides strong support
for students majoring in other sciences as well as for non-science majors.

The Chemistry program offers a balanced curriculum that prepares students for graduate study in the various areas of chemistry and for employment in the chemical industries. Also, the Chemistry major, coupled with selected supporting courses, provides excellent preparation for the study of medicine, dentistry and other health-related professions. To accomplish these objectives, the Chemistry program offers two degrees: the Bachelor of Science and the Bachelor of Arts. The student majoring in Chemistry with a BS degree can choose a Traditional, Biochemistry or Environmental concentration.

The Traditional concentration provides a curriculum with strong supportive courses in mathematics and physics. This program is recommended for graduate study in chemistry or as preparation for an industrial position.

The Biochemistry concentration is strongly recommended as preparation for a career in biochemistry, clinical chemistry or pharmaceutical chemistry. The program is also suitable for graduate study in biochemistry and pharmacology.

The Environmental concentration prepares the student for a career in the growing field of environmental chemistry. The student receives a strong chemistry background and takes appropriate courses in supporting disciplines. This concentration is appropriate for the student planning a career or graduate work in any of the allied environmental professions.

**FACULTY**

**Eid A. Alkhatib, Ph.D.**  
*Associate Professor*

**Joseph Audie, Ph.D.**  
*Assistant Professor*

**Edward J. Caliguri, Ph.D.**  
*Lecturer*

**Linda Farber, Ph.D.**  
*Assistant Professor*

**Dhia A. Habboush, Ph.D.**  
*Professor*

**Penny A. Snetsinger, Ph.D.**  
*Associate Professor, Chair*

**CHEMISTRY LABORATORIES**

There are eight chemistry laboratories serving the needs of analytical chemistry, biochemistry, environmental chemistry, inorganic chemistry, organic chemistry and physical chemistry. These laboratories contain the following major equipment:

**Spectroscopy**

NMR 400 MHz + Autosampler;  
Flame and Graphite Furnace Atomic Absorption Spectrometer + Autosampler;  
Raman Spectrometer; two FT-IR Spectrometers, Ultraviolet/Visible Spectrophotometers; Near Infrared Spectrometers; Spectrofluorometer.

**Chromatography**

Programmable Gas Chromatographs;  
HPLC system + Autosampler.

**Electrochemistry**

Polarographic Analyzer, Polarographic Analyzer/ Stripping Voltmeter,  
SMDE Electrode, RDE Electrode and Electrogravimetric Analyzer.

**GC-MS**

GC, MSD, Flame Ionization Detector with EPC, Purge-and-Trap Liquid
Sample Concentrator, Library of Spectra and Chemical Structure Database.

Other Equipment

Automatic Polarimeter; Magnetic Susceptibility Balance; Flame Photometer.

COMPUTER FACILITIES

Chemistry server providing licensed software for the use of students.

MAJOR IN CHEMISTRY

Requirements for the BS Degree

The B.S. degree requires the completion of 38 major credits, plus 20 credits in the related fields of mathematics and physics for the Traditional concentration; and 20 credits in the related fields of biology, mathematics and physics for the Biochemistry concentrations.

Required Courses for All Concentrations

CH 151 General Chemistry I
CH 152 General Chemistry II
CH 153 General Chemistry Laboratory I
CH 154 General Chemistry Laboratory II
CH 221 Organic Chemistry I
CH 222 Organic Chemistry II
CH 223 Organic Chemistry Laboratory I
CH 224 Organic Chemistry Laboratory II
CH 252 Analytical Chemistry
CH 254 Analytical Chemistry Laboratory
CH 331 Physical Chemistry I
CH 333 Physical Chemistry Laboratory I
CH 351 Instrumental Analysis
CH 353 Instrumental Analysis Laboratory and CH 393 Undergraduate Project or CH 395 Undergraduate Research

Additional Required Courses for Traditional Concentration

CH 332 Physical Chemistry II
CH 334 Physical Chemistry Laboratory II
CH 355 Advanced Inorganic Chemistry

Additional Required Supporting Course for Traditional Concentration

MA 253 Mathematical Analysis II

A minimum of 10–12 credits of chemistry electives should be taken to enhance career and graduate study opportunities. Electives should be selected in consultation with the student's faculty advisor.

Additional Required Courses for Biochemistry Concentration

CH 341 Biochemistry I
CH 342 Biochemistry II
CH 343 Biochemistry Laboratory I
CH 344 Biochemistry Laboratory II

Additional Required Supporting Course for Biochemistry Concentration

BI 111 Concepts in Biology I

In addition to the above courses, two to three chemistry electives and one to three computer science courses are strongly recommended. For pre-health professions students, BI 111 and BI 112 and two Biology courses at the 200 level or higher are recommended.

Requirements for the BA Degree in Chemistry

The B.A. degree requires the completion of 32 major credits plus 16 credits in the related fields of mathematics and physics.

Required Supportive Courses for All Concentrations

MA 140 Precalculus (waived on examination)
MA 151 Introductory Calculus
MA 152 Mathematical Analysis I

PY 151/153 Principles of Physics I/Physics Laboratory I or PY 111/113
PY 152/154 Principles of Physics II/Physics Laboratory II or PY 112/114

PY 151/153 Principles of Physics I/Physics Laboratory I or PY 111/113
PY 152/154 Principles of Physics II/Physics Laboratory II or PY 112/114
CH 221 Organic Chemistry I
CH 222 Organic Chemistry II
CH 223 Organic Chemistry Laboratory I
CH 224 Organic Chemistry Laboratory II
CH 252 Analytical Chemistry
CH 254 Analytical Chemistry Laboratory
CH 331 Physical Chemistry I
CH 333 Physical Chemistry Laboratory I
CH 351 Instrumental Analysis
CH 353 Instrumental Analysis Laboratory
Chemistry elective (with department approval)

Required Supporting Courses

MA 151 Introductory Calculus
MA 152 Mathematical Analysis I
PY 151/153 Principles of Physics I/Physics Laboratory I or PY 111/113
PY 152/154 Principles of Physics II/Physics Laboratory II or PY 112/114

MINOR IN CHEMISTRY

The minor in Chemistry requires the completion of the following 20 credits:

CH 151 General Chemistry I
CH 152 General Chemistry II
CH 153 General Chemistry Laboratory I
CH 154 General Chemistry Laboratory II
CH 221 Organic Chemistry I
CH 222 Organic Chemistry II
CH 223 Organic Chemistry Laboratory I
CH 224 Organic Chemistry Laboratory II
4 credits of Chemistry electives from 200- or 300-level courses

ASSOCIATE IN ARTS GENERAL STUDIES

Emphasis Requirements (33 credits)

CH 151 General Chemistry I
CH 152 General Chemistry II
CH 153 General Chemistry Laboratory I
CH 154 General Chemistry Laboratory II

COURSE DESCRIPTIONS

†CHCC 103 The Human Community and Scientific Discovery 3 CR
This is the third of four courses in Sacred Heart University’s Common Core Curriculum, The Human Journey. This course will examine the core’s four fundamental questions of human meaning and value. From the perspective of Chemistry, students will learn about science and the natural world and science’s engagement with the Catholic intellectual tradition.

†CH 020 Drugs and Their Implications to Society 3 CR
Different classes of drugs, both legitimate and illicit, and their metabolism in the human body are studied. Basic organic chemistry is introduced. Designed for non-science majors.

†CH 025 Forensic Chemistry 4 CR
Examines the principles of chemistry as related to preservation and analysis of physical evidence in criminal cases and the presentation of evidence in a court of law. Two 75-minute lectures and one three-hour laboratory or one two-hour discussion on alternate weeks. Prerequisite: Criminal Justice major or permission of instructor.
**†CH 030 The Chemistry of Nutrition 3 CR**
Designed for non-science majors, this course explores the fundamentals of nutrition, elaborating on the essential chemistry needed for a basic understanding of the subject matter. The course examines how carbohydrates, lipids, proteins, minerals, vitamins and antioxidants are chemically related to nutrition. The course focuses also on nutrition throughout the various life stages and how this relates to one's environment.

**†CH 040 Chemistry, Society and the Environment 3 CR**
Explores the workings of chemistry as an experimental science in the context of the need for science literacy and of the things affecting the everyday world and the environment. Two 75-minute lectures per week.

**CH 117 General, Organic and Biochemistry, An Overview 3 CR**
Designated for Nursing students, this course previews the principles of general chemistry, followed by a survey of organic chemistry. An overview of biochemistry and biomolecules and a study of metabolism and its regulation are presented. Two 75-minute class periods. Prerequisite: High school precollege chemistry

**CH 119 General, Organic and Biochemistry Lab 1 CR**
Designated for Nursing students, this course consists of 11 to 12 lab periods. Three to four dry labs are embedded within the course as a guided inquiry-based approach to the curriculum and computer problem solving and molecular modeling using HyperChem. Experiments as well as dry labs are related to the subject matter covered in CH 117. A three-hour lab period. Corequisite: CH 117

**†CH 151 General Chemistry I 3 CR**
Explores modern theories of atomic and molecular structure, chemical bonding and periodic relations, chemical reactions and stoichiometry, states of matter, and solutions. Three 50-minute lectures and one 50-minute discussion per week. Prerequisite: High school chemistry

**†CH 152 General Chemistry II 3 CR**
Explores chemical thermodynamics; chemical kinetics; chemical, ionic and acid-base equilibria; electrochemistry; chemistry of the representative elements and transition elements; and nuclear reactions. Three 50-minute lectures and one 50-minute discussion per week. Prerequisite: CH 151

**CH 153 General Chemistry Laboratory I 1 CR**
Illustrates basic concepts presented in CH 151. Experiments include qualitative analysis of cations and anions, chromatography, synthesis and FT-IR. One three-hour laboratory per week. Corequisite: CH 151

**CH 154 General Chemistry Laboratory II 1 CR**
Illustrates basic concepts presented in CH 152. Experiments include quantitative analysis, equilibria, thermochemistry, spectrophotometry and GC-MS. One, three-hour laboratory per week. Prerequisite: CH 153; Corequisite: CH 152

**CH 221 Organic Chemistry I 3 CR**
Covers hydrocarbons; stereochemistry; arenes; alkyl halides; nucleophilic substitution and elimination reactions; and IR, NMR, MS and UV spectroscopy in relation to structure determination. Two 75-minute lectures and one 50-minute discussion per week. Prerequisite: CH 152

**CH 222 Organic Chemistry II 3 CR**
Covers aromaticity; electrophilic and nucleophilic aromatic substitution reactions; ethers, epoxides, carboxylic acids and their functional derivatives; aldehydes; ketones; amines; phenols; carbamion reactions; and alpha-beta unsaturated compounds. Emphasizes organic reaction mechanisms, organic synthesis and structure determination. Two 75-minute
lectures and one 50-minute discussion per week. Prerequisite: CH 221

**CH 223 Organic Chemistry Laboratory I 1 CR**
Covers basic techniques in organic chemistry: extraction, distillation, recrystallization; thin layer chromatography; gas chromatography and IR spectroscopy. Emphasizes techniques in organic synthesis. One three-hour laboratory per week. Corequisite: CH 221

**CH 224 Organic Chemistry Laboratory II 1 CR**
Covers simple and multistep organic syntheses using a wide variety of organic reagents and some important functional group analyses. Employs spectroscopy and GC-MS for structure determination. One three-hour laboratory per week. Prerequisite: CH 223; Corequisite: CH 222

**CH 252 Analytical Chemistry 3 CR**
Explores data analysis and classical methods of quantitative analysis. Focuses on the basics of analytical chemistry and the development and application of equilibrium models to all branches of classical analysis. Two 75-minute lectures per week. Prerequisite: CH 220 or CH 221

**CH 254 Analytical Chemistry Laboratory 2 CR**
Provides laboratory experience in volumetric, gravimetric and instrumental methods. Experiments correlate with lecture material in CH 252 to help students understand the chemistry involved and develop proper analytical procedures and techniques. One six-hour laboratory per week. Prerequisite: CH 154; Corequisite: CH 252

**CH 331 Physical Chemistry I 3 CR**
Explores thermodynamics, statistical thermodynamics, kinetic theory of gases, changes of state, solutions and kinetics. Two 75-minute lectures per week. Prerequisites: CH 152, CH 154, MA 151 and PY 152

**CH 332 Physical Chemistry II 3 CR**
Explores advanced kinetics and quantum mechanics. Two 75-minute lectures per week. Prerequisite: CH 331; co-or prerequisite: MA 253 or permission of instructor

**CH 333 Physical Chemistry Laboratory I 1 CR**
Explores various techniques used to apply the fundamental concepts of physical chemistry to real chemical systems. One three-hour laboratory per week. Corequisite: CH 331

**CH 334 Physical Chemistry Laboratory II 1 CR**
Explores more advanced techniques of physical chemistry and applies theoretical concepts learned in CH 332 to real chemical systems. One three-hour laboratory per week. Prerequisite: CH 333; Corequisite: CH 332

**CH 341 Biochemistry I 3 CR**
Covers chemical and physiological properties of carbohydrates, lipids, amino acids, proteins, enzymes and nucleic acids. Explores metabolic pathways and enzymology. Two 75-minute lectures per week. Prerequisite: CH 222

**CH 342 Biochemistry II 3 CR**
Continues the study of metabolic pathways. Two 75-minute lectures per week. Prerequisite: CH 341

**CH 343 Biochemistry Laboratory I 1 CR**
Investigates chemical and physical properties of biologically important compounds using chromatography, electrophoresis, enzyme assays and various techniques for isolation and identification of biochemicals and enzymes. One three-hour laboratory per week. Corequisite: CH 341

**CH 344 Biochemistry Laboratory II 1 CR**
Examines isolation and purification of lipids, proteins, enzymes and nucleic acids from biological materials employing electrophoresis,
chromatography, spectrophotometry and fluorometry. One three-hour laboratory per week. Corequisite: CH 342

**CH 351 Instrumental Analysis 3 CR**
Explores theory and practice of instrumental methods of analysis; spectrophotometric, electroanalytical and chromatographic methods of separation and quantification. Two 75-minute lectures per week. Prerequisites: CH 252 and CH 331 or permission of instructor

**CH 353 Instrumental Analysis Laboratory 1 CR**
Provides hands-on experience with modern analytical instrumentation, including UV/visible infrared, atomic absorption spectrophotometry, potentiometric and ion selective electrode methods, electrodeposition, gas chromatography and mass spectrometry. One three-hour laboratory per week. Corequisite: CH 351

**CH 355 Advanced Inorganic Chemistry 4 CR**
Explores physical and chemical properties of the elements and their compounds, periodic relations, theories of atomic and molecular structures and molecular symmetry with emphasis on coordination chemistry. Two 100-minute lectures per week. Prerequisite: CH 331

**CH 361 Environmental Chemistry 3 CR**
Explores chemical aspects of the human environment and sources, reactions, transport, effects and fates of chemical species in water, soil and living environments and effects of technology thereon. Two 75-minute lectures per week. Prerequisite: CH 222

**CH 365 Environmental Sampling and Analysis 3 CR**
Laboratory and field work including sampling of surface and groundwater using EPA-approved methods for analyzing water, wastewater, soil and sediments. Also covers QA/QC plans and statistics in chemical analysis and sampling protocols. One 100-minute lecture and one three-hour laboratory per week. Prerequisite: CH 361

**CH 393 Undergraduate Project 3 CR**
A special project may be carried out under the advisement of a Chemistry faculty member. Prerequisite: Permission of project advisor

**CH 395 Undergraduate Research 3 CR**
Research may be carried out under supervision of a Chemistry faculty member. Prerequisite: Permission of research advisor

**CH 399 Special Topics in Chemistry 2–3 CR**
Designates new or occasional courses that may or may not become part of the department’s permanent offerings. Consult the current course schedule for available topics.

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**Communication**

Housed in the Department of Communication, the Media Studies is a program offering a major that combines the study of communications theory and technology with the liberal arts and which examines the theories behind contemporary communication in print journalism, radio and television broadcasting, still photography, film, digital media and the Internet.

The program recognizes that the student must be competent in techniques of production and must understand the historical, social and philosophical aspects of media. Media courses aimed at developing basic competence in multimedia production are an integral part of the program.
FACULTY

James Castonguay, Ph.D.
Associate Professor

Debbie Danowski, Ph.D.
Associate Professor

Gregory Golda, M.Ed.
Clinical Instructor

Sidney Gottlieb, Ph.D.
Professor

Andrew Miller, Ph.D.
Associate Professor, Chair

Sara Ross, Ph.D.
Assistant Professor

MEDIA STUDIES FACILITIES

The Media Studies multiple-purpose studios are used for digital video, television and audio/radio production. The complex features a multicamera studio, with a lighting grid, surround sound, chromakey, and multitrack audio recording that broadcasts via closed-circuit cable throughout the campus. The studios further provide remote production capabilities in portable video equipment and digital video, with separate editing suites for nonlinear computer-based editing and DVD authoring. Multi-image slide/tape production equipment and digital still cameras offer students additional creative outlets.

MAJOR IN MEDIA STUDIES

The major in Media Studies requires the completion of 48 credits.

Required Courses

EN 375 Advanced Composition
MS 101 Introduction to Media Culture
MS 191, 192, 193, 195 or 197 History of the Motion Picture I, II, III, History of Broadcasting, History of Journalism

MS 201 The Art of the Moving Image
MS/EN 211 News Writing and Reporting I
MS 301 Reading Seminar in Media and Cultural Theory (Senior year)
MS 397 Senior Project I
MS 398 Senior Project II
One approved Literature course, 200 level or above

Eight electives are required of Media Studies majors. Three of these must be in media production courses and three must be in media history or theory. The two additional electives may be in history and theory or production.

Production (choose three)

MS 212 Radio Production I
MS 213 Video Production I
MS 214 Television Production I
MS 215–315 Digital Film & Video Production I, II
MS 216 Digital Photography I
MS 232 DVD and Multimedia Production
MS 288 Democratic Technologies
MS 294 Magazine Publication
MS 295 Television & New Media Journalism
MS 298 Advertising and Public Relations Production
MS 300 Special Topics in Media Production
MS/EN 309 Special Topics in News Production
MS/EN 311 News Writing and Reporting II
MS 312 Radio Production II
MS 313 Video Production II
MS 316 Digital Photography II
MS/EN 233 Screenwriting
MS/EN 237 Newspaper Publication
MS 395 Multimedia Field Production

Other department-designated and approved courses

MS 396 Internship

History and Theory (choose three)

MS 191 History of Film I
MS 192 History of Film II
MS 193 History of Film III
MS 195 History of Broadcasting
MS 197 History of Journalism
MS 198 History of Advertising and Public Relations
MS 200 Mass Media: Special Subjects
MS 280 Digital Culture
MS 283 History of Documentary Still Photography
MS 287 Media and Democracy
MS 293 Alternative Media
MS 299 Special Topics in Media Studies
MS 381 Women in Film
MS 382 Third-World Cinemas
MS 383 Documentary Film and Video
MS 384 National Cinemas
MS 390 Television Genres
MS 391 Film Seminar
MS 392 Film Genres
MS 393 Film Directors
Two additional courses in History and Theory or Production A Media Studies advisor may prescribe and approve alternatives.

MINOR IN MEDIA STUDIES
The minor in Media Studies requires the completion of the following 18 credits:

Required Courses for Minor
MS 101 Introduction to Media Studies

Two Production courses
Two History and Theory courses
MS 301 Reading Seminar in Media and Cultural Theory or MS 398 Senior Project

ASSOCIATE IN ARTS GENERAL STUDIES

Emphasis Requirements (15 credits)
MS 101 Introduction to Media Studies
MS 201 The Art of the Moving Image or MS 301 Senior Seminar in Media History and Theory
One Production course
Two Media Studies electives

COURSE DESCRIPTIONS

†MS 101 Introduction to Media Culture 3 CR
Introduction to media technology, examining the impact of radio, television, newspapers, still photography, film and the computer on the human condition. Trains the student to be a perceptive consumer of contemporary mass media by exploring how each medium codifies reality. Readings, screenings, and written assignments required.

†MS 191 History of Film I 3 CR
Introduction to the historical development of filmmaking from 1895 to 1945, highlighting the evolution of the film as a means of expression. Films from the past are shown at each class meeting followed by a discussion of several aspects of the film.

†MS 192 History of Film II 3 CR
History of the Motion Picture II covers from 1945 to 1975, including extensive screening of classic films. Readings, screenings, and written assignments required. May be taken out of sequence.

†MS 193 History of Film III 3 CR
This course covers the history of motion pictures from 1975 to the present, including extensive screening of classic and contemporary films. Readings, screenings, and written assignments required. May be taken out of sequence.

MS 195 History of Broadcasting 3 CR
Explores the history of radio and television broadcasting, including financing of research, technological developments, regulation, structure of genres, the social context and values of programs, legal and political implications of national and international
broadcasting and the effect on cultural identity and national sovereignty.

**MS 197 History of Journalism 3 CR**
Investigates the social history of American journalism from the penny press to the World Wide Web, including technological developments in news gathering and delivery, regulation and consolidation of the press, social and political implications of coverage, effects of changes in literacy and society, comparisons with other models and trends toward globalization.

**MS 198 History of Advertising and Public Relations 3 CR**
Provides a critical overview of the history, purpose, and various methods related to advertising and public relations. Students analyze the semantic and syntactic properties of ads and public relations campaigns from the consumer point of view with special emphasis on how they communicate persuasively. Readings, screenings, and written assignments required.

**MS 200 Mass Media: Special Subjects 3 CR**
An opportunity to study current communications topics revolving around the effects of mass media on individuals, communities and countries. Subjects are determined by their topical interest and importance. Course title is shown on the student's transcript. Consult current course schedule for available topics.

**†MS 201 The Art of the Moving Image 3 CR**
A study of the language of moving pictures. Unlike the linear sequence of speech and the written word, moving pictures create a simultaneity of sensory perception. Through an intensive study of experimental and feature films, this course explores the nature of the moving images and how they are organized to create a whole. Prerequisite: MS 101

**†MS/EN 211 News Writing and Reporting I 3 CR**
An introduction to basic news writing and journalistic reporting principles. Concepts of journalism provide a format for an analysis of the news media and the responsibilities of a journalist in today's society. Workshop sessions utilize the concepts in practical work. Prerequisites: EN 110 and MS 101

**MS 212–312 Radio Production I, II 3 CR each**
An introduction to basic radio production. Students prepare for the FCC third-class license, learn the audio control board and develop concepts of radio broadcasting. Because WSHU is integrated into the courses as a laboratory and program outlet, students are required to function as staff members. Prerequisite: MS 101

**MS 213 Video Production 3 CR**
An introduction to basic video theory and production technique. Classes focus on mastering technical elements of production and developing a familiarity with the grammar of the moving image. Students conceive and produce individual final video projects using portable equipment. Prerequisite: MS 101

**MS 214 Television Studio Production I 3 CR**
An introduction to multicamera studio production.

**MS 215–315 Digital Film & Video Production I, II 3 CR each**
An introduction to the basic techniques of cinematic composition and editing. Presents the basic administrative and aesthetic aspects of filmmaking. Prerequisite: MS 101

**MS 216–316 Digital Photography I, II 3 CR each**
First semester is an introduction to the fundamentals of digital photography. Topics include camera care and handling; visual literacy; composition; the nature of light, color, portraiture
and experimental photography. Second semester is built around advanced techniques in digital production. Critical discussions on the photography of major artists supplements the practical work. A digital camera with manual operative is required. Students are responsible for processing costs. Prerequisite: MS 101

**MS/BU 222 Sports Communications 3 CR**
Focuses on the fundamentals needed to implement a program in sports information, publicity and promotions. Preparing of news releases; writing local and hometown features; publishing programs and brochures; compiling statistical breakdowns; dealing with the local, regional and national press; and promoting specific events, teams and individuals are included. Prerequisites: C or better in EN 011, EN 012, CA 021 and MS 101

**MS 232 DVD and Multimedia Production 3 CR**
An introduction to DVD multimedia production techniques. Focus is on mastering the technical elements of advanced digital video editing and DVD authoring technology and developing a familiarity with the grammar of multimedia more generally. Students develop and produce a variety of projects culminating in their own DVD portfolio. Prerequisite: Any other MS production course or permission of instructor

**MS 233 Screenwriting 3 CR**
An introduction to writing for fiction and nonfiction film and television. Topics include basic dramatic theory, narrative structure, characterization, dialogue, adaptation and the unique demands of the audio/visual media, as well as pragmatic matters of format and the marketplace. Prerequisites: EN 110 and MS 101

**MS 280 Digital Culture 3 CR**
Considers digital and technologically mediated environments as “mass media” in the tradition of film, radio or television. Using a variety of approaches, including historical, sociological, economic, technological, cultural and aesthetic, the course looks at questions such as how does the Internet codify reality? How are communities both created and thwarted? What are the characteristics of the global media culture? Readings, screenings, and written assignments required. Prerequisite: MS 101 or CT 101

**MS 283 History of Photography 3 CR**
The history of documentary still photography from its beginning in the 1840s through the present is studied. Focus is on analyzing the photographs, as well as the social and historical contexts in which they were made, to come to some conclusions about the nature of documentary photography. Students with photographic experience and equipment may, with the permission of the instructor, choose to do a documentary photography project instead of a final paper.

**MS 287 Media and Democracy 3 CR**
Examines the relationships between the mass media (film, television, newspapers and the Internet), the public and politics. Historical case studies analyze from ethical, economic, social, historical, aesthetic and technological perspectives how the media provide (or do not provide) a place through which people express their views as citizens in a democracy. Current media examples are also investigated. Readings, screenings, and written assignments required. Prerequisite: MS 101 or CT 101

**MS 288 Democratic Technologies 3 CR**
Focuses on the creative use of technologies available to the American consumer. Instruction in alternative audio and visual production encourages students to express themselves and distribute media content using available consumer and public access technologies. Laptop computers are required to digitize audio and visual projects and for Internet research. Prerequisite: MS 101 or CT 101
MS 293 Alternative Media 3 CR
Explores nonmainstream and noncommercial media—mechanical, electronic and digital—to understand their content, form and roles they play in our culture. The course looks at the aesthetic theories and/or social motivations, implicit or explicit in the alternative culture and in individual works. Readings, screenings, and written assignments required.

MS 294 Magazine Publication 3 CR
Overview of the entire process of magazine publication. Topics include history, theory and status of contemporary publication, concept research and development of new magazines, writing and editing of articles, desktop publishing layout and design, marketing and advertising campaigns, new technologies and the future. Students conceive and produce individual magazines. Prerequisite: MS 101

MS 295 Television & New Media Journalism 3 CR
A production course designed to introduce students to the techniques of electronic journalism. Students also learn to analyze and constructively criticize the process and product. Prerequisite: MS 101

MS 298 Advertising and Public Relations Production 3 CR
Applies various theories of advertising and public relations to specific practical problems in the commercial and nonprofit world. Students experiment with form and style by producing advertising and public relations campaigns for new products, public service projects and/or political candidates in several different media. Prerequisite: MS 101

MS 299 Special Topics in Media Studies 3 CR
Designates new or occasional courses that may or may not become part of the department's permanent offerings. Courses capitalize on timely topics, a faculty member's particular interest, an experimental alternative to existing courses, etc. Course title is shown on the student's transcript. Consult the current course schedule for available topics and required prerequisites.

MS 300 Special Topics in Media Production 3 CR
New or occasional courses in advanced video production such as approaches to editing, audio recording techniques, digital storytelling or computer-aided design. Course title is shown on the student's transcript. Consult the current course schedule for available topics and required prerequisites.

MS 301 Senior Seminar in Media History and Theory 3 CR
An interdisciplinary study of contemporary theories of mass communications. Presents an overview of the impact of mass communications by considering them as codes, symbolic systems and manipulative powers on both the conscious and subconscious levels. Reading, writing, discussion and research are required. Prerequisites: MS 101 and Senior standing in the major

MS/EN 309 Special Topics in News Production 3 CR
New or occasional courses in advanced newspaper or magazine production such as advanced editing techniques, feature writing, sports writing or investigative reporting. Course title is shown on the student's transcript.

MS/EN 311 News Writing and Reporting II 3 CR
This advanced workshop simulates a newspaper magazine publishing atmosphere. Students are assigned roles as writers or editors for individual sections to create a student news magazine as part of the newspaper staff. Prerequisite: MS/EN 211

MS 313 Video Production II 3 CR
Advanced course in single-camera video production. Each student directs an original fiction or nonfiction work and provides technical support on
classmates’ projects. Prerequisite: MS 213 or permission of the instructor.

**MS/EN 370 Newspaper Publication 3 CR**
Introduction to newspaper publication provides editing and publications practice. Emphasis on copy selection, copy editing, story placement, headline writing, use of art, page layout, copy fitting, and use of stylebooks. Students work as part of an editorial team to produce an issue of a news magazine.

**MS 381 Women in Film 3 CR**
Films are cultural artifacts. Each film contains within itself a complex social system reflecting the attitudes, values and mores of the society that produced it. This course uncovers the values that encode the function of women on screen including the images they project; roles they assume; values they encode; and relationships they establish with men, children and each other. Readings, screenings, and written assignments required. Consult the current course schedule for available topics and required prerequisites.

**MS 382 Third-World Cinemas 3 CR**
Concentrating on filmmaking and videomaking in several different Third World cultures (e.g., Senegal, Brazil, Cuba, India and/or the Black workshop movement in Great Britain), the course looks at the history of production, distribution and reception in each culture; considers the practical, theoretical and political implications of aesthetic choices; and relates this to the social circumstances of the different filmmaking practices. Readings, screenings, and written assignments required. Consult the current course schedule for available topics and required prerequisites.

**MS 383 Documentary Film and Video 3 CR**
Examines major epistemological, aesthetic and political concerns of documentary film and video. This course introduces students to a variety of documentary principles, methods and styles in order to explore a series of theoretical issues that are important to documentary production, representation and reception. Readings, screenings, and written assignments required. Consult the current course schedule for available topics and required prerequisites.

**MS 384 National Cinemas 3 CR**
Examines a particular national cinema or moment in national cinemas (e.g., New German Cinema, French New Wave, Italian Neorealism) whose contributions to the history of cinema have been significant. Attention is given to the social and cultural context, production, distribution and reception circumstances and stylistic innovations of the different filmmaking practices. Readings, screenings, and written assignments required. Consult the current course schedule for available topics and required prerequisites.

**MS 390 Television Genres 3 CR**
A study of individual television forms, including the teleplay, the documentary, the docudrama and the situation comedy. Emphasis on the historical development of the genre, the particular characteristics of the genre that affect its content and style and meaning of this kind of programming within a cultural context. Readings, screenings, and written assignments required. Consult the current course schedule for available topics and required prerequisites.

**MS 391 Film Seminar 3 CR**
An intensive course focusing on specific aspects of film history, theory and criticism, with special emphasis on film’s relationship to society. Each semester the course concentrates on an individual topic of discussion. Readings, screenings, and written assignments required. Consult the current course schedule for available topics and required prerequisites.

**MS 392 Film Genres 3 CR**
A study of particular film forms, including western, gangster, science
fiction, horror, comedy and other film genres. Attention is given to the themes and stylistics of genres, and to the genre films' contemporary cultural significance and contribution to the history of ideas. Consult the current course schedule for available topics and required prerequisites.

**MS 393 Film Directors 3 CR**
Examines individual film directors whose contributions to the history of the cinema have been especially notable. Film directors are studied for their stylistic and philosophical innovations as well as for their historical place in the medium. Each semester a particular director or directors are chosen for study. Consult the current course schedule for available topics and required prerequisites.

**MS 395 Multimedia & TV Field Production 1–3 CR**
An opportunity for outstanding Media Studies majors to assist in the planning and production of media projects contracted by Sacred Heart University or by outside agencies. By permission of the chairperson of the faculty of Communication Studies. Offered only when appropriate projects are available. Consult the current course schedule for available topics and required prerequisites. Prerequisite: MS 213

**MS 396 Internship 1–6 CR**
An opportunity for qualified upper-division Media Studies majors to gain practical experience at area media/communications companies such as radio or television stations, cable companies, newspapers, magazines and public relations firms. Prerequisite: Permission of instructor and department chairperson

**MS 397/398 Senior Project 3 CR**
The purpose of the project is threefold: to create an opportunity for a senior Media Studies student to apply creative theory to practice; to stress the interdisciplinary aspects of media communication; and to provide the student with a “portfolio” product or research project to use as a demonstration of his or her abilities. Consult the current course schedule for available topics and required prerequisites. Prerequisite: Media Studies Senior standing

**MS 399 Independent Study 1–3 CR**
Work on a special topic or production to be arranged with an instructor who will direct the work. Permission of the chairperson of the faculty of Communication Studies is granted to qualified Media Studies majors on the basis of a written prospectus. By special arrangement. Consult the current course schedule for available topics and required prerequisites.

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**Communication and Technology Studies**

An interdisciplinary program, the major in Communication and Technology Studies (CTS) is directed to students who wish to become leaders in creating the communication environment of the future, to those interested in the broader implications of communication technology, understanding the theory as well as the practice, and adapting to a changing world.

In response to the need for leadership in technology, CTS focuses on the macro social and ethical issues of mediated communication, such as policy making, data information privacy, intellectual property, moral agency and the notion of the community as global. At the heart of the major is the study of the social, ethical and historical implications of computer technology. Students study a core of interdisciplinary courses that focus on communication technology, including computer technology, media studies, oral and written communication, history, sociology, psychology, philosophy and art.
MAJOR IN COMMUNICATION AND TECHNOLOGY STUDIES

The major in CTS consists of 42 credit hours, including 12 required courses and 6 elective credits. For Communication Technology majors CT 101 is a prerequisite for all other courses in the major.

Required Courses

- CS 101 Web Design and Visual Tools
- CS 102 Multimedia for Non-Majors OR CS 104 Digital Animation and Gaming
- CS 232 Human Computer Interaction
- CS 319 Computer Ethics: Society and Technology
- CT 101 Introduction to Communication and Technology Studies
- CT 118 Technical Communications I
- CT 218 Technical Communications II
- CT 399 Capstone in Communication Technology
- MS 280 Digital Culture
- MS 287 Media and Democracy
- MS 288 Democratic Technologies

Elective Courses

Students are required to take an additional six credits of required course work, and most students select these courses from the departments of Graphic Design and Visual Arts, Computer Science, and/or Media Studies and Digital Culture. CT Majors may venture into other departments for these required electives, but in all cases courses must be approved in writing by the program director. Possible course selections include:

- AR 211 Graphic Design I
- AR 214 Computer Design Basics
- HI 276 The Rise of Modern Science
- MS 195 History of Broadcasting
- MS 198 History of Public Relations/Advertising
- MS 200 Mass Media: Specific Subject
- MS 213 Video Production
- MS 215-315 Digital Film Production I, II
- MS 293 Alternative Media
- MS 298 Public Relations/Advertising: Practical Applications
- MS 299 Special Topics in Media Studies
- MS 300 Special Topics in Media Production
- MS 395 Multimedia Field Production
- PH 256 The Philosophy of Technology
- SO 257 Technology, Culture and Society

COURSE DESCRIPTIONS

CS 100 Introduction to Information Technology 3 CR
An introduction to computing and data processing for non-computer science majors. This course is half theory and half hands-on application using Microsoft Office. It includes word processing, spreadsheets, databases and some work with the Internet. This course provides the knowledge and understanding necessary to communicate effectively in the personal computing environment of business today.

CS 101 Web Design and Visual Tools 3 CR
This course aids in the understanding of the design and production of web sites. It discusses what design elements go into web page development. Students browse sites and identify good design elements. They construct their own web page early on and allow it to evolve throughout the semester. Prerequisite: CS 100 or permission of department chair
CS 102 Multimedia for Non-Majors 3 CR
This course aids the non-programmer in the understanding of multimedia authoring, incorporating text, graphics, sound and video. It discusses design and planning elements that go into multimedia development. Students use Director and some of the scripting language, Lingo, to choreograph media objects onto a stage using a score. Prerequisite: CS 100 or permission of department chair

CS 232 Human Computer Interaction 3 CR
Focuses on how developers and designers of computer systems can produce computers that are beneficial to the user and easy to use. Human-computer interaction is the intersection of human behavior and computer technology. In understanding human behavior, developers can evaluate what makes the computer easy to learn and use. The course examines the ways people interact with computers and how to incorporate this knowledge into the design and evaluation of new technology. Prerequisite: CS 100 or CS 112

CS 319 Computer Ethics: Society and Technology 3 CR
This course focuses on the ethical and social issues associated with computer technology such as privacy, theft, intellectual property, accountability, hacking, and cracking, codes of ethics and professional responsibility. Students also examine philosophers such as Aristotle, Kant and Mill, as well as Virtue ethicists. This course is a Senior-level capstone course. It emphasizes both oral and written communication as students discuss and examine their own ethical beliefs. Prerequisites: Junior/Senior status, PH 101, RS 101, or permission of instructor

CT 101 Introduction to Communication Technology 3 CR
Explores the intersections and divergences of various technologies of mediated communication, from traditional inscription (print) to film, radio, television and electronic media. Emphasizes student inquiry and encourages web-based study and digitally-enhanced final portfolios. Prerequisite: Permission of CT coordinator

CT 118 Technical Communications I 3 CR
Introduces the most important elements of communications in the professional world of technology and newer media. Students study common types of reports and learn fundamental techniques for preparing reports, final copy, and web page content. Prerequisites: EN 110, CT 101

CT 218 Technical Communications II 3 CR
Develops skills in research techniques and increases proficiency in technical communications by focusing on all phases of the preparation of a communication technology-related project. Emphasizes the acquisition of the ability to “translate” technical information to non-specialists. Prerequisite: CT 118

CT 399 Capstone in Communication Technology 3 CR
Culminating course for the CT major. Students integrate what they have learned in the major in an experiential setting. Must be accomplished under guidance of a faculty director and in consultation with CT Coordinator. Prerequisite: Senior standing

MS 280 Digital Culture 3 CR
Considers digital and technologically mediated environments as “mass media” in the tradition of film, radio or television. Using a variety of approaches, including historical, sociological, economic, technological, cultural and aesthetic, this course looks at questions such as how does the Internet codify reality? How are communities both created and thwarted? What are the characteristics of the global media culture? Readings, screenings and written reports required. Prerequisite: MS 101 or CT 101

MS 213 Video Production 3 CR
An introduction to basic video theory
and production technique. Classes focus on mastering technical elements of production and developing a familiarity with the grammar of the moving image. Students conceive and produce individual final video projects using portable equipment. Prerequisite: MS 101 or CT 101

**MS 215–315 Digital Film & Video Production I, II 3 CR each**

An introduction to the basic techniques of cinematic composition and editing. Presents the basic administrative and aesthetic aspects of filmmaking. Prerequisite: MS 101 or CT 101

**MS 287 Media and Democracy 3 CR**

Examines the relationships between the mass media (film, television, newspapers and the Internet), the public and politics. Historical case studies analyze from ethical, economic, social, historical, aesthetic and technological perspectives how the media provide (or do not provide) a place through which people express their views as citizens in a democracy. Current media examples are also investigated. Readings, screenings and written reports required. Prerequisite: MS 101 or CT 101

**MS 288 Democratic Technologies 3 CR**

Focuses on the creative use of technologies available to the American consumer. Instruction in alternative audio and visual production encourages students to express themselves and distribute media content using available consumer and public access technologies. Laptop computers are required to digitize audio and visual projects and for Internet research. Prerequisite: MS 101 or CT 101

**MS 293 Alternative Media 3 CR**

Explores nonmainstream and noncommercial media—mechanical, electronic and digital—to understand their content, form and roles they play in our culture. The course looks at the aesthetic theories and/or social motivations, implicit or explicit in the alternative culture and in individual works. Readings, screenings and written reports required. Prerequisite: MS 101 or CT 101

**MS 298 Advertising and Public Relations Production 3 CR**

Applies various theories of advertising and public relations to specific practical problems in the commercial and nonprofit world. Students experiment with form and style by producing advertising and public relations campaigns for new products, public service projects and/or political candidates in several different media. Prerequisite: MS 101 or CT 101

**MS 300 Special Topics in Media Production 3 CR**

New or occasional courses in advanced video production such as approaches to editing, audio recording techniques, digital storytelling or computer-aided design. Course title is shown on the student’s transcript. Consult the current course schedule for available topics and required prerequisites.

**MS 395 Multimedia & TV Field Production 1–3 CR**

An opportunity for outstanding Media Studies majors to assist in the planning and production of media projects contracted by Sacred Heart University or by outside agencies. By permission of the chairperson of the faculty of Communication Studies. Offered only when appropriate projects are available. Consult the current course schedule for available topics and required prerequisites. Prerequisite: MS 213

**AR 211 Graphic Design I 3 CR**

An introduction to classical and modern typefaces, the mechanics of type composition and the fundamentals of layout. Consideration is given to the selection of typefaces that enhance thought and idea. Prerequisite: AR 214 AR 214

**Computer Design Basics 3 CR**

An introduction and exploration of the three primary graphic design programs: Adobe Photoshop, Adobe
Illustrator and Quark Express. Only the most basic design concepts are explored in assignments, ensuring a basic understanding of the technological tools of design. Prerequisite: AR

**HI 276 The Rise of Modern Science 3 CR**
Starting with their origins in the Scientific Revolution of the 16th century, this course presents the major scientific developments in Western life and their impact on society. Topics include the Copernican Universe, Darwinian biology and several major scientific advancements in the 20th century.

**PH 256 The Philosophy of Technology 3 CR**
Representative views of the social role of technology. Two fundamental questions are addressed. The extent of technology’s impact on social institutions and individual lives. And, to what degree is this impact beneficial or harmful? Prerequisite: PH 101

**SO 257 Technology, Culture and Society 3 CR**
With the increasing saturation of biotechnology, cybertechnology, communication/media technology, etc., in the world, it is prudent to study the overall relationship of technology to culture and society and to consider the social impact of the next wave. While identifying serious problems and risks, the course also explores the proposition that technology can be shaped and guided to be a positive force. Prerequisite: SO 110

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**Computer Science and Information Technology**

The computer science field has demonstrated dramatic growth and technological development within the last decade. The 21st century is heralding the emergence of nanotechnology, ubiquitous computing and wireless networking. The Computer Science and Information Technology (CS/IT) Department is responding to these technological challenges by offering a dynamic course of study that is responsive to the ever-changing field of computer technology. (CS/IT) curriculum has two concentrations: Computer Science and Information Technology. The Computer Science concentration is geared to those students with strong mathematics and the desire to participate in the research and development side of computer science. Within the Computer Science concentration there are two tracks:

- Computer Science and Computer Gaming. The Information Technology concentration is for those students interested in interface, multimedia and system design for various business applications.

**FACULTY**

**Frances Grodzinsky, Ph.D.**
*Professor*

**Sandra Honda Adams, M.S.**
*Associate Professor*

**Efim Kinber, Ph.D.**
*Professor*

**Keri Matthews, M.S.**
*Instructor*

**Robert McCloud, Ed.D.**
*Associate Professor*
Domenick J. Pinto, M.A., M.A., M.S.
Associate Professor, Chair

Francesco Sardo, M.S.
Instructor

COMPUTER SCIENCE

FACILITIES

There are three state of the art computing labs dedicated to computer science courses. These contain the latest flat screen Dell Optiplex computers with DVD, CD-R/W drives. In addition the conference room of the CS/IT department serves as a mini-lab used exclusively by CS/IT majors for projects, homework and tutoring and is equipped with the same state of the art equipment. There is also a Networking/Unix lab equipped with 15 Linux machines and a variety of Cisco routers. This closed LAN laboratory is used for networking and Unix shell programming courses and is open 24 hours a day, seven days a week for those students. All labs are on a 3-year replacement cycle.

Software available in the labs include:

Microsoft Office 2007
Adobe Director 11.5
Flash CS4
Fireworks CS4
Dreamweaver CS4
VB. Net 2008
Visual C++ 2008
Visual C# 2008
Visual Studio 2008
Borland JBuilder
Sony Sound Forge 8
Adobe Photoshop CS4

MAJOR IN COMPUTER SCIENCE

The major in Computer Science with a concentration in Computer Science requires the completion of 52 credits for the Computer Science track and 51 credits for the Computer Gaming track. The major in Computer Science with a concentration in Information Technology requires 48 credits.

Required Courses for Computer Science Concentration (both CS and Computer Gaming track) and IT Concentration

CS 111 Introduction to Structured Programming
CS 112 Data Structures
CS 113 Discrete Structures
CS 215 Computer Systems Organization with Assembler
CS 312 Software Engineering
CS 318 Project Course
CS 319 Computer Ethics

Required Courses for Computer Science Track

CS 241 Advanced Programming Concepts Using “C”
CS 272 OOP with C# and Games
CS 311 Database Design
CS 339 Networking and Data Communication
CS 341 Analysis of Algorithms
CS 348 Programming in Unix
CS 349 Operating Systems
One Computer Science elective

Required Courses for Computer Gaming Track

CS 171 Introduction to Computer Gaming
CS 271 Advanced Computer Gaming
CS 272 OOP with C# and Games
CS 341 Analysis of Algorithms
CS 349 Operating Systems
CS 371 Advanced C#-Based Game Programming
CS 372 Fundamentals of Game Design

Required Supporting Courses for Computer Science Track

MA 151 Introductory Calculus and Math 152 Mathematical Analysis
I should be taken as part of the required Baccalaureate core.
MA 261 Linear Algebra
MA 331 Mathematical Probability and Statistics

**Required Supporting Courses for Computer Gaming Track**
MA 140 Precalculus
MA 151 Calculus I
AR 110 Visual Organization
AR 214 Photoshop and Illustrator

**Required Courses for Information Technology Concentration**
Math 109 Mathematics for Decision Making and Math 110 Calculus for Decision Making should be taken as part of the required Baccalaureate core.
CS 232 Human–Computer Interaction
CS 233 Visual Basic
CS 311 Database Design
CS 331 Multimedia Applications
CS 338 Systems Analysis and Design
CS 339 Networking and Data Communication
One Computer Science elective

**Required Supporting Courses for Information Technology Concentration**
BU 103 Business: Its Nature and Environment or BU 201 Organization Management
MA 131 Statistics for Decision Making

**Network Security Emphasis for Computer Science and Information Technology Concentrations**

**Courses Required for Both Concentrations**
CS 111 Introduction to Structured Programming
CS 112 Data Structures
CS 113 Discrete Structures
CS 215 Computer Systems Organization with Assembler
CS 311 Database Design
CS 312 Software Engineering
CS 318 Project Course
CS 319 Computer Ethics
CS 339 Networking and Data Communications

**Required Courses for Computer Science Concentration (Network Security Emphasis)**
CS 241 Advanced Programming Concepts Using “C”
CS 272 OOP with C# and Games
CS 341 Analysis of Algorithms
CS 349 Operating Systems
CS 367 Managing, Securing, and Designing Modern Networks
CS 368 Hands-on Network Security

**Supporting Courses for Computer Science Concentration (Network Security Emphasis)**
MA 151 Calculus I
MA 152 Calculus II
MA 261 Linear Algebra
MA 331 Probability and Statistics I

**Required Courses for Information Technology Concentration (Network Security Emphasis)**
CS 232 Human–Computer Interaction
CS 233 Visual Basic
CS 338 Systems Analysis and Design
CS 367 Managing, Securing, and Designing Modern Networks
CS 368 Hands-on Network Security

**Required Supporting Courses for Information Technology Concentration (Network Security Emphasis)**
BU 103 Business: Its Nature and Environment or BU 201 Organization Management
MA 109 Mathematics for Decision Making
MA 110 Calculus for Decision Making
MA 131 Statistics for Decision Making

**MINOR IN COMPUTER SCIENCE**
CS 111 Introduction to Structured Programming
CS 112 Data Structures
CS 113 Discrete Structures
CS 215 Computer Systems
Organization with Assembler
CS 272 OOP with C# and Games
CS 311 Database Design
CS 312 Software Engineering
One Computer Science elective

MINOR IN INFORMATION TECHNOLOGY

CS 111 Introduction to Structured Programming
CS 112 Data Structures
CS 113 Discrete Structures
CS 215 Computer Systems
Organization with Assembler
CS 233 Visual Basic
CS 311 Database Design
CS 312 Software Engineering
One Computer Science elective

ASSOCIATE’S DEGREE IN COMPUTER SCIENCE

The Associate of Science degree in Computer Science offers two areas of emphasis: Computer Science and Information Technology. Both emphases require the completion of 60 credits. The program is designed for high school graduates who intend to make a career in the field of Computer Science and college graduates who want to obtain a sufficient level of computer experience.

The Computer Science emphasis is intended for college students majoring in mathematics or the sciences who wish to supplement their major in order to increase their employment opportunities after graduation. The Information Technology emphasis is intended for high school graduates who wish to make a career in information technology and for business students or individuals working with computers who want a formal education in order to advance their careers.

Courses Required for Both Concentrations

CS 111 Introduction to Structured Programming
CS 112 Data Structures
CS 113 Discrete Structures
CS 215 Computer Systems
Organization with Assembler

Required Core Courses for Both Concentrations

EN 110 Academic Writing
CA 101 Effective Communication
Eight Liberal Arts electives

Required Courses for Computer Science Concentration

CS 241 Advanced Programming Concepts Using “C”
CS 272 OOP with C# and Games
One Computer Science and Information Technology elective

Required Supporting Courses for Computer Science Concentration

MA 151 Calculus I
MA 152 Calculus II
MA 261 Linear Algebra

Required Courses for Information Technology Concentration

CS 232 Human–Computer Interaction
CS 233 Visual Basic
One Computer Science and Information Technology elective

Required Supporting Courses for Information Technology Concentration

MA 109 Mathematics for Decision Making
MA 110 Calculus for Decision Making
BU 103 Business: Its Nature
and Environment or BU 201
Organization Management

CERTIFICATE PROGRAM IN
COMPUTER SCIENCE AND
INFORMATION TECHNOLOGY

The Computer Science Certificate program provides a foundation for scientific use of computers and information technology applications. The student can earn a certificate by completing six courses from either the Computer Science or Information Technology options, provided that the prerequisites are met.

Required Courses for Both Concentrations
CS 111 Introduction to Structured Programming
CS 112 Data Structures

Courses for Computer Science Concentration
CS 241 Advanced Programming Concepts Using “C”
CS 272 OOP with C# and Games
CS 312 Software Engineering
CS 341 Analysis of Algorithms

Required Courses for Information Technology Concentration
CS 101 Web Design and Visual Tools
CS 102 Multimedia for Non-Majors
CS 232 Human–Computer Interaction
CS 233 Visual Basic

CERTIFICATE PROGRAM IN
COMPUTER GAMING DESIGN
AND DEVELOPMENT

The undergraduate certificate in Computer Gaming Design and Development utilizes all existing courses to package a certificate program particularly geared toward the part-time evening student. The certificate also feeds into a possible BS or AS degree in CS in the Computer Science or Computer Gaming track.

Required Courses
CS 111 Introduction to Structured Programming
CS 112 Data Structures (pre: CS 111)
CS 171 Introduction to Computer Gaming (co or pre-req CS 111)
CS 271 Advanced Computer Gaming (pre: CS 171 and co or pre-req: CS 112)
CS 272 OOP with C# and games (CS 271 and CS 112)

Suggested Supporting Courses (not required)
MA 140 Precalculus
MA 151 Calculus (pre: MA 140)

COURSE DESCRIPTIONS

CS 100 Introduction to Information Technology 3 CR
An introduction to computing and data processing for non-computer science majors. This course is half theory and half hands-on application using Microsoft Office. It includes word processing, spreadsheets, databases, presentation software, and using the Internet as a research tool effectively. This course provides the knowledge and understanding necessary to communicate effectively in the personal computing environment of business today. Non-majors only
CS 101 Web Design and Visual Tools 3 CR
This course aids in the understanding of the design and production of web sites. It discusses what design elements go into web page development. Students browse sites and identify good design elements. They construct their own web page early on and allow it to evolve throughout the semester. Prerequisite: CS 100 or permission of department chair. Non-majors only.

CS 102 Multimedia for Non-Majors 3 CR
This course aids the non-programmer in the understanding of multimedia authoring, incorporating text, graphics, sound and video. It discusses design and planning elements that go into multimedia development. Students use Director and/or Flash and some of the scripting language, Lingo (or action scripting), to choreograph media objects onto a stage using a score. Prerequisite: CS 100 or permission of department chair.

CS 104 Digital Animation and Gaming 3 CR
The class will create electronic games using digital animation and timeline control. Topics covered include: creating gaming objects with drawing and color tools; timeline-based animation techniques; controlling screen action with buttons; integrating sound into a game; publishing and exporting a game to the web.

CS 106 Introduction to Information Technology for Business Administration 3 CR
An introduction to computing and data processing for non-Computer Science majors. This course is half theory and half hands-on application using Microsoft Office. It includes, spreadsheets, databases, and presentation software, and provides the knowledge and understanding necessary to communicate effectively in the personal computing environment of business today. For Business Administration majors.

CS 110 Introduction to Computer Science 3 CR
An introduction to programming logic, using a suitable introductory programming language. This course presents an overview of major programming concepts (selection, loops, input-output operations, procedures and functions) and serves as an introduction to the Unix operating system and Unix-based editors. For computer science majors.

CS 111 Introduction to Structured Programming 3 CR
A first course in programming using a structured programming language. Topics include iteration, selection, procedures, functions and arrays with the use of flowcharts and modules. Presents applications in both business and scientific areas. Prerequisite: CS 110 or permission of department chair.

CS 112 Data Structures 3 CR
A continuation of CS 111 using a structured programming language to implement multidimensional arrays, stacks, queues, linked lists and binary trees. Also introduces recursion, pointers, and classes. Prerequisite: CS 111.

CS 113 Discrete Structures 3 CR
Presents mathematical concepts for computer science, including sets, relations and functions; partitions; order relations; countability; permutations and combinations; probability; recurrences; big-Oh notation; elements of abstract algebra such as groups, rings and Boolean algebras. Prerequisite: MA 006.

CS 171 Introduction to Computer Gaming 3 CR
Designing the vector gaming environment; Storyboarding; Tween and frame-by-frame animation; Using functions to control animation timelines; Using random number functions to instantiate digital objects; Artifact.
movement utilizing vector plot points.

**CS 215 Computer Systems Organization with Assembler 3 CR**
This course presents an overview of computer architecture and computer organization as they relate to computer science. Topics include computer components, interconnection structures, internal memory, instruction sets, number representation in computers, parallel processing and an elementary introduction to assembly programming. Prerequisite: CS 112

**CS 232 Human–Computer Interaction 3 CR**
Focuses on how developers and designers of computer systems can produce computers that are beneficial to the user and easy to use. Human-computer interaction is the intersection of human behavior and computer technology. In understanding human behavior, developers can evaluate what makes the computer easy to learn and use. The course examines the ways people interact with computers and how to incorporate this knowledge into the design and evaluation of new technology. Prerequisite: CS 100 or CS 112

**CS 233 Visual Basic 3 CR**
Explores the use of controls and tools, forms, menus, frames, file browsers and buttons, creating windows interfaces for databases, linking to Windows and Excel, writing and debugging Visual Basic code. Uses VB.net 2010. Prerequisite: CS 112

**CS 241 Advanced Programming Concepts Using “C” 3 CR**
Covers advanced programming techniques in “C,” using pointers, data structures and recursion. Emphasis on algorithmic approach and use of mathematical functions. Prerequisite: CS 112

**CS 242 Introduction to Graphics Using JAVA 3 CR**
Introduces concepts of classes and main JAVA graphics tools. Topics include: structure of JAVA system, introduction to classes, dialog boxes, data types, introduction to applets, HTML files, graphics class and its methods, JAVA widgets, event-driven programming, class containers, and layouts. Prerequisites: CS 112 and CS 113

**CS 261 Programming for the Web 3 CR**
An introduction to Web-enabling technologies, this course addresses web design with HTML code, Cascading Style Sheets and Layers, Photoshop and Java script. Problems and trends faced by webmasters today are also discussed. Prerequisites: CS 111 and Sophomore status

**CS 271 Advanced Computer Gaming 3 CR**
An object-oriented approach to programming digital objects using Flash and Action Script 3.0. These programming techniques will be applied to both arcade and adventure games. Prerequisite: CS 171

**CS 272 OOP with C# and Games 3 CR**
An object-oriented approach to computer graphics using C#. Topics covered will include: classes, instantiation, event listeners, polymorphism, encapsulation, event handlers, functions and methods, and basic game logic. Prerequisite: CS 271

**CS 299 Special Topics I 3 CR**
Various courses of current interest to the Computer Science major are introduced from time to time. Prerequisite: Sophomore status

**CS 311 Database Design 3 CR**
Explores fundamentals of database design theory and applications. Includes data models with emphasis on the relational model. Prerequisites: CS 112 and CS 215

**CS 312 Software Engineering 3 CR**
The study of software development methodology, both procedural and object oriented. This is a project-based design course where teams develop software projects from requirements.
analysis through detailed design and testing. Umbrella activities such as configuration management, quality assurance, writing documentation, ethics and costing are covered. Automated software design tools are used and oral and written presentations required. Prerequisite: CS 311

CS 318 Project Course 3 CR
It is strongly recommended that students sign up for this course one semester before the graduating semester, because of the independent study/work involved. Students work with a faculty member in the department to define and implement an acceptable project. The student is required to write a report and is to make a public presentation of the work. Prerequisites: Senior status and permission from Computer Science Department

CS 319 Computer Ethics 3 CR
This course focuses on the ethical and social issues associated with computer technology such as privacy, theft, intellectual property, accountability, hacking and cracking, codes of ethics and professional responsibility. Students also examine philosophers such as Aristotle, Kant and Mill, as well as Virtue ethicists. This course is a Senior-level capstone course. It emphasizes both oral and written communication as students discuss and examine their own ethical beliefs. Prerequisites: Junior/Senior status, PH 101, RS 101 or permission of instructor

CS 331 Multimedia Applications 3 CR
This course aids in the understanding of multimedia authoring, incorporating text, graphics, sound and video. It discusses design and planning elements that go into multimedia development. Students use Director and its scripting language, Lingo, to choreograph media objects onto a stage using a score. It is designed for students with programming experience. Prerequisite: CS 112

CS 338 Systems Analysis and Design 3 CR
An advanced design course that studies the application of computer solutions to business problems. This is a project-based course where teams set milestones and present object-oriented analysis and design of their solutions. Oral and written presentations are required and automated software tools are used. Prerequisite: CS 312

CS 339 Networking and Data Communication 3 CR
The study of networks and data communication concentrating on the first four levels of the OSI model including physical, datalink, network and transport. This is a laboratory-based course that includes projects implemented in the SUN Networking Laboratory. Topics such as LANs, WANs and MANs; hardware, software, protocols, routing, circuit-switching and packet-switching networks, analog and digital systems, compression and error handling are among those studied. Students use a simulation package to design and simulate networks. Prerequisites: CS 338 or CS 341 and Senior status

CS 341 Analysis of Algorithms 3 CR
Emphasis on theory and techniques underlying the analysis of algorithms including big/little-Oh, graphs and networks, searching, sorting, recursion and classical algorithms. Prerequisites: CS 112 and MA 151

CS 348 Programming in Unix 3 CR
Discusses main issues of Unix OS programming and administration. Explores the popular Unix text editor Emacs, Unix file system, process manipulation, regular expressions and their uses, filters, and system administration and security. Prerequisites: CS 241 and CS 341

CS 349 Operating Systems 3 CR
Examines resource management, including memory allocation and management, virtual memory, process scheduling, protection, deadlock and concurrency, case studies and
multiprocessing. Prerequisite: CS 341

**CS 366 Object-Oriented Programming (OOP) in C++ 3 CR**
Focuses on principles of OOP, including encapsulation, objects and classes, inheritance and polymorphism. This course covers the differences between C and C++ and includes a detailed discussion of C++ features such as classes, constructors, destructors, friends, exceptions, etc. Prerequisite: CS 241

**CS 367 Managing, Securing, and Designing Modern Networks 3 CR**
Focuses on wireless and mobile networks, multimedia networking, network management infrastructure, configuration management, network security, cryptography, authentication, access controls, network design (OpNet), designing network performance. Prerequisite: CS 339

**CS 368 Hands-on Network Security 3 CR**
Focuses on networking security topics, firewalls (using Linux), packet filters, NAT and PAT, public key infrastructure (using Microsoft Certification Server), encryption algorithms, decrypting passwords, dictionary decryption, brute force decryption, certificate servers, vulnerability assessment, identifying security holes, forensics, Layer 5 vulnerabilities, packet monitoring. Prerequisite: CS 367

**CS 371 C#-Based Game Programming 3 CR**
A game oriented programming course focusing on advanced graphics techniques using OpenGL and/or DirectX. Prerequisite: CS 272

**CS 372 Fundamentals of Game Design 3 CR**
In this class we explore how logic and creativity work together in the well designed computer game. Topics include: genres of games; character development and gameplay; new and developing gaming concepts; creation and use of gaming engines; the role of sound and music; teaching a game to think. Prerequisite: CS 371

**Criminal Justice**

The Criminal Justice program provides students with a comprehensive understanding of the criminal justice system, which consists of public and private police, courts and corrections.

The course of study enables the graduate to pursue a career in law enforcement, correctional security and counseling, probation, parole, court administration, personnel management in various criminal justice agencies or private security. The program also prepares students to enter law school or graduate school in the social and behavioral sciences. It provides an excellent opportunity for criminal justice personnel, and community and junior college graduates, to obtain a bachelor's degree in Criminal Justice. Applicants who have completed the municipal, state or FBI training may apply for advanced standing.

**FACULTY**

Tanya M. Grant, M.S.
*Instructor*

Pearl Jacobs, Ph.D.
*Associate Professor, Chair*

Stephane Kirven, J.D.
*Assistant Professor*

James E. McCabe, Ph.D.
*Assistant Professor*

Patrick Morris, Ph.D.
*Assistant Professor*

Anthony J. Papa, J.D.
*Lecturer*
MAJOR IN CRIMINAL JUSTICE

The major in Criminal Justice requires the completion of 36 credits of Criminal Justice courses and 6 credits of required supporting courses.

Required Courses
CJ 101 Introduction to Criminal Justice
CJ 120 Crime and Criminal Behavior
CJ 201 Criminal Law
CJ 253 Criminal Justice Ethics
CJ 381 Research Methods in Criminal Justice

Choose 3 of the following:
CJ 200 Constitutional Law
CJ 220 Introduction to Corrections
CJ 251 Criminal Courts and Discretion
CJ 270 Issues and Problems in Criminal Justice

Elective Course Requirements
12 credits of Criminal Justice electives are required for the major. Elective course selections are made in consultation with an advisor.

Corrections Courses
CJ 213 Probation and Parole
CJ 216 Juvenile Justice
CJ 220 Introduction to Corrections
CJ 223 Interviewing and Counseling
CJ 390 Internship

Law Enforcement Courses
CJ 230 Introduction to Law Enforcement
CJ 231 Criminal Investigation
CJ 232 Police–Community Relations
CJ 235 Law of Evidence
CJ 239 Police Administration and Supervision
CJ 390 Internship

Security Courses
CJ 240 Introduction to Security
CJ 247 Security Administration
CJ 248 Introduction to Fraud Examination

Required Supporting Courses
CS 100 Introduction to Information Technology
MA 131 Statistics for Decision Making

MINOR IN CRIMINAL JUSTICE

The minor in Criminal Justice requires the completion of the following 18 credits

Required Courses in the Minor
CJ 101 Introduction to Criminal Justice
CJ 120 Crime and Criminal Behavior
Four Criminal Justice electives

COURSE DESCRIPTIONS

CJ 101 Introduction to Criminal Justice 3 CR
Provides an overview of the criminal justice system and its processes.

CJ 120 Crime and Criminal Behavior 3 CR
This course uses an interdisciplinary perspective to examine the causes, measurement, patterns and the effects of socioeconomic status on crime and criminal behavior.

CJ 200 American Constitutional Law 3 CR
Focuses on the development of the Constitution through interpretations of the U.S. Supreme Court. A study of civil rights and civil liberties. Prerequisite: CJ 101

CJ 201 Criminal Law 3 CR
Substantive aspects of criminal law with emphasis on statutory criminal law. Examines the purpose and goals of criminal law and the historical development of its basic concepts. Prerequisite: CJ 101
CJ 211 Women and the Law 3 CR
Traces the development of sex discrimination as a legal and social phenomenon. The law is covered in terms of its historical perspective. Prerequisite: CJ 101

CJ 213 Probation and Parole 3 CR
Teaches the application of probation, pardon and parole methods for both juveniles and adults. Analyzes the most effective methods and techniques as they apply to these services. Prerequisite: CJ 101

CJ 216 Juvenile Justice 3 CR
Includes an in-depth examination of the juvenile justice system, its history and its practices. The course also examines the nature and causes of juvenile delinquency, sociological factors that influence such behavior, typologies of juvenile offenders, and current trends in the control of such behavior. Prerequisite: CJ 101

CJ 220 Introduction to Corrections 3 CR
A general overview of the corrections system including the historical development of control of human behavior in society. Analysis of the major issues confronting corrections. Prerequisite: CJ 101

CJ 223 Interviewing and Counseling 3 CR
Practice-oriented course designed to provide the basic techniques of counseling and interviewing. Prerequisite: CJ 101

CJ 224 Women and the Criminal Justice System 3 CR
Explores the changing roles of women in the criminal justice system. The course focuses on women offenders, women victims and women criminal justice professionals. Prerequisite: CJ 101

CJ 230 Introduction to Law Enforcement 3 CR
A study of investigative techniques, sources of information and an analysis of the relationships of investigative units with other law enforcement units and agencies. Prerequisite: CJ 101

CJ 232 Police–Community Relations 3 CR
Examines various human relations issues that affect policing and police management. Also explores programs established by the police in community relations and community involvement in police policies. Prerequisite: CJ 101

CJ 235 Law of Evidence 3 CR
An explanation and analysis of the rules of evidence. Examines court decisions concerning the rights of citizens and the rules for giving testimony and the protecting and safeguarding of evidence. Prerequisite: CJ 101

CJ 239 Police Administration and Supervision 3 CR
Examines management principles as they apply to police organizations. This course includes discussion on the organization and management of police personnel at all levels of operation, leadership styles, policy formation and the internal control of the organization. Prerequisite: CJ 101

CJ 240 Introduction to Security 3 CR
Discusses the historical, theoretical and legal bases of security, including the purpose of security in modern society, ethics and security, standards and goals for the security industry. Prerequisite: CJ 101

CJ 242 White-Collar Crime 3 CR
Examines the parameters and magnitude of white-collar crime and the literature that has been proffered as explanation for it. Prerequisite: CJ 101

CJ 243 Private Security Law 3 CR
Examines the relationship between the law and private security operations and criminal law principles of particular concern to security personnel. Prerequisite: CJ 101

CJ 246 Organized Crime 3 CR
Explores how organized crime is structured and how it can be controlled.
The impact of organized crime on major crimes is also assessed. Prerequisite: CJ 101

**CJ 247 Security Administration 3 CR**

Presents an overview of security operations in both the public and private sectors. This course includes an examination of loss prevention strategies and safety and fire prevention programs. Prerequisite: CJ 101

**CJ 248 Introduction to Fraud Examination 3 CR**

Examines the legal elements of fraud and fraud investigation. This course also explores the methods of preventing, detecting, and deterring fraud in organizations as well as preserving the chain of custody for the court and compiling evidence for court proceedings. Prerequisite: CJ 101

**CJ 250 Crisis Intervention for Public Safety Personnel 3 CR**

Examines the concepts and techniques used by criminal justice practitioners in handling crisis situations. Deals with limited, on-site crisis intervention provided by those first to respond. Prerequisite: CJ 101

**CJ 251 Criminal Courts and Discretion 3 CR**

Examines the criminal courts as the fulcrum of the criminal justice system. Emphasis on the actual mechanics of the system and the decision making of its functionaries. Prerequisite: CJ 101

**CJ 252 Comparative Criminal Justice Systems 3 CR**

Examines how culture, history and economics influence legal systems and the treatment of offenders in various countries. Prerequisite: CJ 101

**CJ 253 Criminal Justice Ethics 3 CR**

Examines the fundamentals of ethical theory, controversies and rules of moral judgment as they relate to criminal justice practitioners. Prerequisite: CJ 101

**CJ 255 Constitutional Rights of Prisoners 3 CR**

Examines the constitutional rights of prisoners focusing on recent Supreme Court rulings. The Eighth Amendment and its application to prisoners and prison officials are analyzed and discussed through court cases and current events. Prerequisite: CJ 101

**CJ 256 Criminalistics 3 CR**

An introduction to forensic science, this course examines the application of forensic science to criminal investigations as well as the techniques of the crime lab through actual and case histories. Prerequisite: CJ 101

**CJ 257 Serial Killers and Profilers 3 CR**

An introductory study of the topic of serial killers and criminal profiling. Analyzes both the individual and collective sociological, psychological and emotional aspects of serial killers in an effort to determine why they kill. Prerequisite: CJ 101

**CJ 270 Issues and Problems in Criminal Justice 3 CR**

Description and analysis of crucial issues and problems relating to selected structure and processes in the criminal justice system. Prerequisite: CJ 101

**CJ 299 Special Topics in Criminal Justice 3 CR**

Designates new or occasional courses that may or may not become part of the department's permanent offerings. Consult the current course schedule for available topics and prerequisites. Prerequisite: CJ 101

**CJ 381 Research Methods in Criminal Justice 3 CR**

Examines the methods of research and the types of data used to develop an understanding of criminal behavior and to create and change policy in the criminal justice system. Prerequisites: CJ 101, MA 131, CS 100
CJ 304 Catholic Intellectual Tradition and the Criminal Justice System 3 CR
Exploration of the Catholic Intellectual Tradition. Catholic social teaching and the intersection of contemporary issues and policies of the criminal justice system are examined. Prerequisites: CJ 101, CJ 120, CJ 201

CJ 390 Internship 3–6 CR
Supervised placement in a criminal justice agency. Prerequisite: Permission of department chairperson

English

The major in English is concerned with the attempt to communicate, both orally and in writing. A variety of courses in literature, writing and speech is offered to develop skills for reading analytically, writing clearly and effectively, and expressing thoughts cogently, while providing a foundation experience in a broad spectrum of literature.

Selections from the wide range of courses within the major and its two concentrations, along with related studies in other areas, will prepare the English major for graduate school, for the professions (teaching, law, medicine), and for business and industry (advertising, company writing, editing, personnel relations, press relations, sales).

MAJOR IN ENGLISH

The major in English requires the completion of 39 credits and is organized to include the major core of 33 credits, plus 6 credits taken in one of two areas of concentration: Literature or Writing.

Required Courses for All English Concentrations

The English major consists of core classes taken in eight areas with additional courses taken in the student’s area of concentration. The core areas are:

I. Literature surveys (EN 121/122 British Traditions I and II and EN 131/132 American Voices I and II) 12 CR
II. Advanced Writing (Any writing course in the 270 or 370 series) 3 CR

III. British Literature (see advisor) 3 CR

IV. American Literature (see advisor) 3 CR

V. Shakespeare (EN 265) 3 CR

VI. Critical Theory (EN 390) 3 CR

VII. Multicultural/Diversity (see advisor) 3 CR

VIII. Capstone (see advisor) 3 CR

Policy Statement Regarding the English Major Survey Courses

The four English survey courses—EN 121, 131, 122, and 132—are foundational to the English major and must be taken by every English major, irrespective of concentration, usually in his/her sophomore year. The courses must be taken in sequence over two semesters. Until they have been taken, no upper-level literature course may be taken. Upper-level literature courses cannot be taken simultaneously with any one of the survey courses.

Like all major courses, the four surveys must be passed with a grade of “C” or higher to count toward satisfying major requirements. These courses cannot be repeated. Students are given only one chance to pass them. (A student withdrawing within the first couple of weeks would not be deemed to have “taken” the course and consequently could sign up to take it at a later time.)

After passing all four of the surveys, students will be eligible to enroll in any English course.

A student failing to receive at least a grade of “C” in any of the survey courses should consult with the chair of the department.

Additional Required Courses for Literature Concentration

In addition to the English major core classes, students with a concentration in Literature must take the following:
  - British Literature (see advisor) 3 CR
  - American Literature (see advisor) 3 CR

Students with a literature concentration should also choose a capstone course in literature.

Additional Required Courses for Writing Concentration

In addition to the English major core classes, students with a concentration in Writing must take the following:
  - Advanced Writing (Any courses in the 270 and 370 series) 6 CR

Students with a writing concentration should also choose a capstone course in writing.

Students Interested in a Career in Teaching

Students interested in pursuing a career in education will select one of the two concentrations and will take one of the following:

Elementary Education
  - EN/ED 387 Children’s Literature

Secondary Education
  - EN 207 History and Structure of the English Language

Supporting Courses for the English Major

All English majors must complete one year (two consecutive semesters) of a Modern Foreign Language.
MINOR IN ENGLISH

The minor in English requires the completion of 18 credits.

Required Courses for English Minor

Two courses in British literature (see advisor) and two courses in American literature (see advisor); on in advanced writing (270 or 370 series); one diversity/multicultural course.

ASSOCIATE IN ARTS GENERAL STUDIES

Emphasis Requirements (15 credits)

One British literature course, one American literature course and three English electives. EN 121, EN122, EN 131, EN 132 will not fulfill the AA requirements.

COURSE DESCRIPTIONS

Additional testing is required for students identified for English as a Second Language (ESL) placement.

ENCC 102 Literary Expressions of The Human Journey 3 CR

ENCC 102 is part of Sacred Heart University's common core sequence The Human Journey. Each course in the Common Core addresses four fundamental questions of human meaning and value that serve as the unifying frame for all the courses in The Common Core. In ENCC 102 students will read and examine significant works of literature. We read serious literature because it presents us with images of, dramatizes for us, or tells us stories about ourselves, our human experience throughout time, and the way we live. This course engages students in conversations about these literary stories, images, and dramatizations. Students will critically and analytically read and examine works of literature from different cultures – western and non-western, including Catholic, and from different time periods – classical to contemporary, with an aim toward understanding and appreciating how these very different works give us insight in the four core questions. (1) What does it mean to be human? (2) What does it mean to live a life of meaning and purpose, and is it possible to do so? (3) What does it mean to understand and appreciate the natural world? (4) What does it mean to forge a more just society for the common good?

EN 109 Introduction to Academic Writing 3 CR

Introduces the student to rhetorical strategies and techniques for clear and effective writing. Stresses the recursive nature of writing, encouraging students to think of writing as a means to generate thinking and enhance learning as well as to communicate. English Placement/Proficiency Exam required. Students must pass this course with a grade of C or better.

EN 110 Academic Writing 3 CR

This course introduces students to the
rhetorical strategies and techniques necessary for clear and effective college-level writing. Students study and practice academic discourse, including research techniques. The course emphasizes essay organization and development, analysis, argument, documentation and critical evaluation of academic writing. Placement by department testing. Students must pass this course with a grade of C or better.

EN 111 Effective Speaking 3 CR
Explores and analyzes the speaking process through instruction and practice in individual and group presentations and oral interpretation of literature. Laptop required. Does not count toward satisfying English minor. Students must pass this course with a grade of C or better. Formerly CA 101

EN 121 The British Tradition I 3 CR
From Beowulf to the Augustans, from Anglo-Saxon runes to Restoration comedy, this course features writings by Chaucer, Spenser, Shakespeare and Milton. Sophomore level, for English majors. Does not satisfy Humanities requirement in the core.

EN 122 The British Tradition II 3 CR
From the Age of Reason to the Age of Anxiety. Course highlights romantic writers like Wordsworth and Keats, Victorians like Dickens and Arnold, modernists like Joyce and Woolf. Sophomore level, for English majors. Does not satisfy Humanities requirement in the core. Prerequisite: EN 121

EN 131 American Voices I 3 CR

EN 132 American Voices II 3 CR
Success and failure, triumph and tragedy. From the Gilded Age to the America of giant corporations and global supremacy. Writings of Twain, Dickinson, James, Hemingway, Morrison, Frost and Eliot are examined. Sophomore level, for English majors. Does not satisfy Area B 1 literature requirement. Prerequisite: EN 131

EN 170 Journal Writing 3 CR
A series of in-class private writing exercises aimed at self-discovery and tapping resources of creative energy. Class trips serve as the basis for descriptive journal writing exercises that stress description, narration, exposition and the editing process. Prerequisite: EN 110

EN 171–179 Studies in Writing: Special Topics 3 CR
A series of courses designed to meet the multitude of writing needs demonstrated by students in a variety of majors. Course topics include writing poetry, short story, fiction and nonfiction, freelance writing, corporate writing, journalism, etc. Advanced-level courses are offered under EN 371–379. Prerequisite: EN 110

EN 175 Introduction to Creative Writing 3 CR
Introduction to writing in three major forms of fiction: poetry, the short story and drama. Includes daily writing assignments with attention to the creative preferences of the individual student. Workshop atmosphere allows peer interaction and frequent student/instructor consultation. Prerequisite: EN 110

†EN 201 Masterpieces in Literature 3 CR
Designed for students at the Sophomore level. Description varies each time it is offered. Prerequisites: EN/CC 102, or EN 122 and EN 132 for English majors

EN 207 History and Structure of the English Language 3 CR
A survey of the major changes in structure, vocabulary and uses of the language from the earliest times to the present. Explores important findings of modern linguistic scholarship. Required for
secondary education. Prerequisite: EN 110

**EN/MS 211 News Writing and Reporting I 3 CR**
An introduction to basic news writing and journalistic reporting principles. Concepts of journalism provide a format for analysis of the news media and responsibilities of a journalist in today's society. Workshop sessions utilize the concepts in practical work. Prerequisites: EN 110 and MS 101

**EN/BU 221 Business Communications 3 CR**
Corporate business-focused oral and written communication skills are analyzed and practiced. Individual and group presentations, memos, letters, reports, resumes, and interview preparation are included. Laptop required. Does not count toward satisfying major, minor or concentration requirements. Prerequisites: EN 110 and EN 111

†**EN 250 Studies in Literature in a New Land 3 CR**
Focuses on Colonial American Writing: 1620–1800. Bradford, Edwards, Taylor, and Franklin are studied. Prerequisites: EN 101 or EN/CC 102, or EN 122 and EN 132 for English majors

†**EN 255 Studies in Early American Black Literature 3 CR**
African-American literature from 1790 to 1900, including the slave narratives, the mockingbird school and folk poetry. Prerequisites: EN/CC 102, or EN 122 and EN 132 for English majors

†**EN 256 Studies in The American Renaissance 3 CR**
A study of transcendentalists, Hawthorne, Melville, Poe. Prerequisites: EN/CC 102, or EN 122 and EN 132 for English majors

†**EN 257 Studies in Dickinson to Eliot 3 CR**
Reveals much about America’s “Gilded Age” and America’s emergence into the modern world with its writers of the wasteland, the “lost generation.” Prerequisites: EN/CC 102, or EN 122 and EN 132 for English majors

†**EN 258 Studies in Faulkner to Present 3 CR**
Modern American literature in content and technique reflects 20th-century preoccupation with loss of faith, the rise of individual consciousness and the dilemma of radical alienation in an increasingly fragmented society. Prerequisites: EN/CC 102, or EN 122 and EN 132 for English majors

†**EN 265 Shakespeare 3 CR**
Explores a wide variety of plays from a literary as well as a theatrical perspective, with emphasis on Shakespeare's development as a dramatist and the relationship of his plays to their historical and cultural context. Prerequisites: EN/CC 102, or EN 122 and EN 132 for English majors

**EN 270–274; 276–279 Studies in Creative Writing 3 CR**
These writing courses build upon techniques developed in EN 175, Introduction to Creative Writing. Areas might include the writing of poetry and particular poetic forms, the short story, the novel, drama, and the literary essay. Prerequisite: EN 175 or permission of the department chair

**EN 275 Developing a Writing Voice 3 CR**
From the colloquial to the informal to the formal, this course examines the development of writing voice and explores the stylistic and rhetorical choices writers make to communicate meaning and knowledge. Prerequisite: EN 110

†**EN 280–289 Studies in World Literature: Special Topics 3 CR**
Course description varies each time the course is offered. Prerequisites: EN/CC 102, or EN122 and EN132 for English majors

†**EN 310 Studies in British Literature to 1603 3 CR**
Major works of British poetry and prose, beginning with Old English and Beowulf
and expanding through the literature of the Middle Ages with special emphasis on Chaucer and Elizabethan poets. Some drama, exclusive of Shakespeare, is included. Prerequisites: EN/CC 102, or EN 122 and EN 132 for English majors

EN/MS 311 News Writing and Reporting II 3 CR
This advanced workshop simulates a newspaper magazine publishing atmosphere. Students are assigned roles as writers or editors for individual sections to create a student news magazine as part of the newspaper staff. Prerequisite: EN/MS211

†EN 312 Studies in Seventeenth-Century British Literature 3 CR
Examines the works of Jonson, Donne, Herbert, Marvell, some of the lesser-known Metaphysical and Cavalier poets and Milton. Prose writings of Browne, Burton and Bunyan are also studied. Prerequisites: EN/CC 102, or EN 122 and EN 132 for English majors

†EN 313 Studies in Restoration and Eighteenth-Century British Literature 3 CR
Dryden, Pope, Swift and Johnson are read, as well as Restoration dramatists (Congreve, Etherege, Wycherely) and early novelists (Defoe, Richardson, Fielding). Prerequisites: EN/CC 102, or EN 122 and EN 132 for English majors

†EN 314 Studies in the Romantic Period in British Literature 3 CR
Emphasis on the literature written during and immediately after the French Revolution and England’s ensuing war with France. The relationship between the individual and political, social and intellectual environments is studied. Blake, Wordsworth, Shelley and Keats are read. Prerequisites: EN/CC 102, or EN 122 and EN 132 for English majors

†EN 315 Studies in the Victorian Period in British Literature 3 CR
Explores the literature of Tennyson, Browning, Arnold, Dickens, Eliot, Newman, Ruskin, Pater, Swinburne and others. Focuses on major writers of the period (1830–1901) beginning with the poetry and concluding with studies in the Victorian novel. Prerequisites: EN/CC 102, or EN 122 and EN 132 for English majors

†EN 316 Studies in Twentieth-Century British Literature 3 CR
Addresses modernism as it is shaped and constructed in the classic texts of Conrad, Woolf, Yeats, Joyce, Lawrence and others. Prerequisites: EN/CC 102, or EN 122 and EN 132 for English majors

†EN 320–329 Studies in Poetry: Special Topics 3 CR
Course description varies each time the course is offered. Prerequisites: EN/CC 102, or EN 122 and EN132 for English majors

EN/MS 333 Screenwriting 3 CR
An introduction to writing for fiction and nonfiction film and television. Topics include basic dramatic theory, narrative structure, characterization, dialogue, adaptation and the unique demands of the audio/visual media, as well as pragmatic matters of format and the marketplace. Prerequisite: EN 110 and MS 101

†EN 340–359 Studies in Fiction: Special Topics 3 CR
Course description varies each time the course is offered. Prerequisites: EN/CC 102, or EN 122 and EN 132 for English majors

EN/MS 370 Newspaper Publication 3 CR
Introduction to newspaper publication provides editing and publications practice. Emphasis on copy selection, copy editing, story placement, headline writing, use of art, page layout, copy fitting, and use of stylebooks. Students work as part of an editorial team to produce an issue of a news magazine.

EN 371–379 Studies in Writing: Special Topics 3 CR
A series of courses designed to meet the multitude of advanced writing needs
demonstrated by students in a variety of majors. Course topics include nonfiction writing, freelance writing, corporate writing, journalism, etc. Prerequisite: EN 110 or permission of instructor

EN 374 Studies in Writing: Nature Writing 3 CR
This course explores the connections between our natural environment and the diverse ways we communicate our ideas, perceptions and feelings about that environment. Writers work to discover a rhetorical stance and voice that effectively evokes the natural world in prose. Prerequisite: EN 110

EN 375 Advanced Composition 3 CR
Explores writing strategies beyond the introductory level. Stresses refining style, finding a voice, determining an audience and discovering the rhetorical strategies appropriate for particular genres. This course is a workshop; students write and revise in class. Prerequisite: EN 110

EN 376 Freelance Writing: Writing for Magazines 3 CR
This course requires students to write, revise, and submit feature and news articles for publication. Designed to provide basic audience and journalistic theory, this course allows students to research magazine focus and audience as well as submit articles to professional magazines. Prerequisite: EN 110

EN 380 Rhetoric and Composition Pedagogy 3 CR
This course is designed for students who will be teaching writing in a secondary educational environment. The course demonstrates how research, scholarship, and theory can inform the teaching of writing. Prerequisite: EN 110

EN 384–385 Studies in Black Literature: Special Topics 3 CR
A detailed study of such Black authors as Hughes, Wright, Ellison, Brooks, Baldwin, Baraka and others with attention to selected themes in four genres. Prerequisites: EN/CC 102, or EN 122 and EN 132 for English majors

EN 386 Studies in Black Writers in America 3 CR
A consideration of Black writers from Dunbar and Chesnutt to the present. Study of Harlem Renaissance writers, including Wright, Ellison, Hayden, Brooks, Tolson, Baldwin, Baraka and the Black arts movement. Emphasis on the relation of the works to traditional images of Blacks in America and to themes found in American literature as a whole. Prerequisites: EN/CC 102, or EN 122 and EN 132 for English majors

EN/ED 387 Children's Literature 3 CR
A survey of children's literature, including an introduction to the mythology and folklore of the world. Attention given to techniques of motivating children to enjoy stories. Required for all elementary education students and for English majors concentrating in elementary education. Will not satisfy area B-1 Literature requirement. Prerequisite: EN/CC 102, or EN 122 and EN 132 for English majors

EN 390 Studies in Literary Criticism: Special Topics 3 CR
Course description each time course is offered. Prerequisite: EN/CC 102 or permission of the department chairperson

EN 391 British Literature Seminar 3 CR
Studies the works of and criticism written on a single British author. Limited enrollment. Prerequisite: Permission of the department chairperson

EN 392 American Literature Seminar 3 CR
Studies the works of and criticism written on a single American author. Limited enrollment. Prerequisite: Permission of the department chairperson

EN 399 Independent Study 1–3 CR
Work on a special topic to be arranged with an instructor who will direct this work. Permission of the department
chairperson is granted to qualified English majors on the basis of a written prospectus. By special arrangement.

### English as a Second Language

#### NON-CREDIT AND CREDIT

**ES 005–006 Intensive ESL Oral Communication I, II Non-credit**

These beginning courses are designed for students to improve basic listening and speaking skills. Through a variety of materials and activities, students are encouraged to share their ideas and practice their English. Upon completion of these courses, students should be able to understand and engage in everyday conversations, communicate basic needs, and give a short report. Placement by the ESL program staff.

**ES 007–008 Intensive ESL Oral Communication III, IV Non-credit**

These low to high-intermediate courses are designed for students to improve their listening and speaking skills necessary to study at a university. Students listen to lectures and engage in debates and discussions. In addition, students may observe academic classes at the University. Upon completion of these courses, students should be able to understand and take notes on lectures, participate in group discussions, and give oral presentations. Placement by the ESL program staff.

**ES 009–010 Intensive ESL Written Communication I, II Non-credit**

These beginning courses are designed for students to improve basic reading and writing. Students take a close-up view of their reading and writing and work on the fundamentals. They discuss readings, develop vocabulary, and learn to write well-structured, well-developed paragraphs and summaries, as well as reactions to readings. Placement by the ESL program staff.

**EF 151–152 English as a Second Language V, VI 3 CR**

The intermediate and advanced levels in English as a Second Language, these “university bridge” courses are designed to strengthen students’ academic reading and writing skills as they begin academic study. Focus is on writing the well-developed essay with stress placed on the appropriate elements of grammar, syntax, vocabulary development, and strategies for reading college-level texts. Placement by the ESL program staff.
European Studies

EUROPEAN STUDIES MINOR

The multidisciplinary European Studies minor allows students to concentrate on a broad study of Europe in all its dimensions: history, politics and government, business, economics, language and literature. The focus of this minor will be on modern and contemporary Europe.

The minor will require 18 credit hours, with at least 3 credits taken in each of the four areas listed below: Politics and Government, Economics, History, and Language and Literature.

In addition, students who minor in European Studies must demonstrate competency in a European language at the intermediate level.

Coursework

The following courses have been preapproved. New electives must be approved by the director of the European Studies program and the chair of the Department of History. Approval will be based on the centrality of the course topic with respect to the study of Europe.

The courses listed below qualify for the above requirements:

BU/IB 203 Intercultural Management
BU/IB 278 Principles of International Business
EC 322 International Economics
EC 324 Economic Stabilization and Reform in Central Europe
EC 325 European Economic Community
EC 342 European Economic Development
EN 316 Studies in Twentieth-Century British Literature
FR 280 French Civilization and Culture
FR 353–359 Topics in French/ Francophone Film
FR 363–369 Topics in French/ Francophone Culture
FR 373–379 Topics in French/ Francophone Literature
HI 314 French Revolution and Napoleon
HI 218 Modern France
IT 280 Italian Civilization and Culture
IT 353–359 Topics in Italian Film
IT 363–369 Topics in Italian Culture
IT 373–379 Topics in Italian Literature
PO 302 Development of Modern Political Theory
PO 303 Modern Political Ideologies
PO 313 The Politics of European Integration
PO 318 Contemporary European Politics
PO 341 International Law
SP 280 Hispanic Civilization and Culture: Spain

Foreign Languages and Cultures

The Department of Foreign Languages and Cultures is oriented toward developing students’ linguistic abilities as well as providing a broad knowledge of foreign cultures and literatures. Communicative competence and oral proficiency are stressed in language classes, but all skill areas (reading, writing, listening, and speaking) are developed. Multimedia tools (DVDs, CDs, Internet sources) are integral to the methodology. The program also provides offerings in literature (including comparative literature and literature in translation), culture and civilization, linguistics, history, and film. Advanced content courses encourage students to think critically about foreign languages and cultures. These courses incorporate textual and linguistic analysis, as well as the examination of the social, cultural, and historical context of the given country or countries.
Study abroad is encouraged. Sacred Heart University has its own study abroad programs in Spain, Italy, Ireland, Luxembourg, and Australia. The University is also affiliated with institutions that offer study abroad opportunities throughout the world, including locations in France, Canada, and Latin America.

Students can pursue a major in Spanish as well as minors in French, Italian, and Spanish. Courses are also offered in Arabic, Chinese, Japanese, and Latin.

**MINOR IN SPANISH**

The minor in Spanish requires the completion of 18 credits.

**Required Courses for Minor**

- SP 151* Intermediate Spanish I
- SP 152* Intermediate Spanish II
- SP 201* Advanced Spanish Composition and Grammar I
- SP 202* Advanced Spanish Composition and Grammar II

The balance of credits may be chosen from advanced-level courses.

*For students placed into courses above this level, the required 18 credits will be completed through more advanced coursework.

Spanish majors seeking to pursue a 5th-Year Masters in Education must demonstrate oral and written proficiency in Spanish by their undergraduate senior year. The Department requires that these students take the ACTFL (American Council of the Teaching of Foreign Languages) Oral Proficiency Interview and the Writing Proficiency Test at the end of their junior year. If the student does not achieve a level of intermediate high in both tests, as required by the State of Connecticut, he/she must meet with an advisor and to discuss the possibility of studying abroad. Students in this situation may retake the exam during their senior year. Both exams can be taken at Sacred Heart University with one of the Spanish professors acting as proctor. For more information on these tests, check the ACTFL testing website at www.languagelearning.com.

**FACULTY**

- Claire Marrone, Ph.D.
  Professor, Chair
- Mark Mascia, Ph.D.
  Associate Professor
- Pilar Munday, Ph.D.
  Associate Professor

**MAJOR IN SPANISH**

The major in Spanish requires the completion of 33 credits.

**Required Courses for Major**

- SP 201* Advanced Spanish Composition and Grammar I
- SP 202 Advanced Spanish Composition and Grammar II
- Three courses in Spanish literature: one in Peninsular literature, one in Latin American literature, and one in either. Three courses in culture, civilization, and contemporary issues: one dealing with Spain, one dealing with Latin America, and one with either. Three Spanish electives, beyond the 200 level.

*For students placed into courses above this level, the required 33 credits will be completed through more advanced coursework.
ASSOCIATE IN ARTS
GENERAL STUDIES

Emphasis Requirements (18 credits)

SP 151* Intermediate Spanish I
SP 152* Intermediate Spanish II
SP 201* Advanced Spanish Composition and Grammar I
SP 202* Advanced Spanish Composition and Grammar II
and/or SP 211* Conversation I
SP 212* Conversation II and/or Spanish electives

*For students placed into courses above this level, the required credits will be completed through more advanced coursework.

MINOR IN FRENCH

For students who begin college study at the beginning (FR 101-102) or intermediate (FR 151–152) levels, the French minor requires the completion of 18 credits. Students begin accumulating credits toward the minor at the intermediate level. For students who begin college study at the advanced (FR 201–202) level or above, the minor requires the completion of 12 credits.

Required Courses for Minor
FR 151* Intermediate French I
FR 152* Intermediate French II
FR 201* Advanced French I
FR 202* Advanced French II

The balance of credits may be chosen from advanced-level French courses.

*For students placed into courses above this level, the required credits will be completed through more advanced coursework.

ASSOCIATE IN ARTS
GENERAL STUDIES

Emphasis Requirements (18 credits at the intermediate level [FR 151-152] and above)
FR 151* Intermediate French I
FR 152* Intermediate French II
FR 201* Advanced French I
FR 202* Advanced French II and 6 credits of upper-level French electives

*For students placed into courses above this level, the required credits will be completed through more advanced coursework.

MINOR IN ITALIAN

For students who begin college study at the beginning (IT 101-102) or intermediate (IT 151–152) levels, the Italian minor requires the completion of 18 credits. Students begin accumulating credits toward the minor at the intermediate level. For students who begin college study at the advanced (IT 201–202) level or above, the minor requires the completion of 12 credits.

Required Courses for Minor
IT 151* Intermediate Italian I
IT 152* Intermediate Italian II
IT 201* Advanced Italian I
IT 202* Advanced Italian II

The balance of credits may be chosen from advanced-level Italian courses.

*For students placed into courses above this level, the required credits will be completed through more advanced coursework.

ASSOCIATE IN ARTS
GENERAL STUDIES

Emphasis Requirements (18 credits at the intermediate level [IT 151–152] and above)
IT 151* Intermediate Italian I
IT 152* Intermediate Italian II
IT 201* Advanced Italian I
IT 202* Advanced Italian II and 6 credits of upper-level Italian electives.

*For students placed into courses above this level, the required credits will be completed through more advanced coursework.

ARABIC COURSE DESCRIPTIONS

AB 101–102 Beginning Arabic I, II 3 CR each
Intended to give students a foundation in standard Arabic. Students learn to produce Arabic sounds and write its letters. They are taught basic vocabulary, common phrases, and greetings to communicate in various settings. The Arabic world and its differing cultures and dialects are examined.

CHINESE COURSE DESCRIPTIONS

CN 101-102 Beginning Chinese I, II 3 Cr each
Intended for beginning-level students. Emphasizes the fundamentals of Chinese. Includes basic grammar, development of comprehension and expression. Introduction to Chinese characters. Incorporates appreciation of Chinese culture.

FRENCH COURSE DESCRIPTIONS

†FR 101-102 Beginning French I, II 3 CR each
Intended for beginning-level students. Emphasis on building communicative competence and oral proficiency. All four skill areas covered, including reading, writing, listening, and speaking. An appreciation of French and Francophone cultures integral to course. Multimedia tools (videos, CDs, Internet sources) enhance course.

†FR 151–152 Intermediate French I, II 3 CR each
Continued emphasis on communicative competence and oral proficiency. Review and intensified study of grammar. Readings, vocabulary building, composition, listening comprehension, and conversation. French and Francophone cultures integral to course. Multimedia tools (CDs, Internet sources) enhance course. Prerequisite: FR 102 for FR151; FR 151 for FR152; or placement

FR 201–202 Advanced French I, II 3 CR each
Designed to fortify proficiency in the various skill areas (reading, writing, listening, and speaking) and cultural awareness. Prepares students for upper-division literature and culture classes. Includes complex grammar review and extensive writing in various styles and genres; cultural and literary readings; oral expression. Audiovisual and/or technological materials incorporated into class. Prerequisite: FR 201 or placement; FR 201 for FR 202 or placement

†FR 203 Advanced Conversation and Contemporary Issues 3 CR
Development of advanced proficiency and communicative competence through discussion of current events and contemporary issues. Varied readings (newspapers, magazines, technological sources) and activities (debates, skits). Prerequisites: FR 201 and FR 202 or placement

†FR 251 Early French Writers 3 CR
A survey of representative literary texts from the Middle Ages through the 17th century. Discussion of historical and cultural context. Several literary genres (novel, poetry, drama, etc.) treated. Critical techniques introduced. Taught in French. Prerequisites: FR 201 and FR 202 or placement
†FR 252 French and Francophone Writers Then and Now 3 CR
A survey of representative literary texts from the 18th century to the present. Discussion of historical and cultural context. Both canonical and lesser-known works in several literary genres (novel, poetry, drama, autobiography, etc.) treated. Critical techniques introduced. Taught in French. Prerequisites: FR 201 and FR 202 or placement

FR 280 French Civilization and Culture 3 CR
Promotes understanding of the history and culture of the French with emphasis on arts, politics, language, thought, and lifestyle. Readings, films, the visual arts, and music are incorporated. Audiovisual and /or technological materials incorporated into class. Taught in French. Prerequisite: FR 201 and FR 202 or placement

FR 281 Francophone Civilization and Culture 3 CR
Content varies. Promotes understanding of Francophone peoples through their histories, cultures, politics, religious beliefs, and lifestyles. Readings, films, the visual arts and music are incorporated. Taught in French. Prerequisites: FR 201 and FR 202 or placement

FR 282 Business French 3–4 CR
Focuses on commercial French style and cultural aspects of business life in France and the Francophone world. Emphasis on commercial vocabulary and idioms most used in business situations. Taught in French. Prerequisite: FR 152 or placement

FR 283 Franco–Italian Connections 3–4 CR
Content varies. Comparative course focusing on historical and cultural connections and contrasts between France and Italy. May treat particular period (war years, contemporary times). Can include literature, film, music, and the visual arts. Taught in English with language-specific assignments for foreign language students. Prerequisites: FR 201 and FR 202 or placement

FR 315 Paris 3 CR
Focuses on culture of Paris through art, history, literature, music, film, and popular culture. May treat particular period (Paris during the Revolution, contemporary Paris). May include issues such as Paris as cultural center, expatriates in Paris, and the future of the city. Taught in French. Prerequisites: FR 201 and FR 202 or placement

FR 316 Quebec 3 CR
Focuses on Quebec region in its historical and cultural contexts. Includes issues such as national identity, language, and the relationship to France. Taught in French. Prerequisites: FR 201 and FR 202 or placement

FR 353–359 Topics in French/ Francophone Film 3–4 CR
Content varies. Study of particular film directors, movements (Poetic Realism, New Wave), periods, and genres. Prerequisites: FR 201 and FR 202 or placement

FR 363–369 Topics in French/ Francophone Culture 3–4 CR
Content varies. Study of particular periods (French Revolution), locations, movements, and representative individuals (politicians, artists). Prerequisites: FR 201 and FR 202 or placement

FR 371 Literary Travelers, Exiles, and Expatriates 3–4 CR
Treats literary representations of travel, exile, and expatriation. Emphasis on works in a variety of genres including novel, autobiography, and letters. Issues include life abroad and life in exile, bicultural and multicultural identity, displacement and subjectivity, bilingualism and confrontations with foreign cultures. May treat specific period. Prerequisites: FR 201 and FR 202 or placement
FR 372 Women Writers 3–4 CR
Treats literary works by French and Francophone women in a variety of genres including novel, autobiography, drama, poetry, and letters. Discussion of feminist literary criticism and theory. May treat specific period. Prerequisites: FR 201 and FR 201 or placement

FR 373–379 Topics in French/ Francophone Literature 3–4 CR
Content varies. Study of particular authors, movements (surrealism), periods, and genres (novel, drama). Prerequisites: FR 201 and FR 202 or placement

FR 399 Independent Study 1–3 CR
Work on special topic to be arranged with instructor who directs work. Permission of the department chairperson is granted to qualified students in French on basis of written prospectus. By special arrangement

ITALIAN COURSE DESCRIPTIONS

†IT 101-102 Beginning Italian I, II 3 CR each
Intended for beginning-level students. Emphasis on building communicative competence and oral proficiency. All four skill areas are covered including reading, writing, listening, and speaking. An appreciation of Italian culture is integral to the course. Multimedia tools (videos, CDs, Internet sources) enhance course.

†IT 107–108 Beginning Italian Language and Culture in Italy I, II 3 CR each
Beginning-level language course at the American University of Rome. Students placed according to their level. Covers the four skill areas of listening, speaking, reading, and writing. Study of Italian culture integral to the course.

†IT 151–152 Intermediate Italian I, II 3 CR each
Continued emphasis on communicative competence and oral proficiency. Review and intensified study of grammar. Readings, vocabulary building, composition, listening comprehension, and conversation. Italian culture integral to course. Multimedia tools (videos, CDs, Internet sources) enhance course. Prerequisite: IT 102 for IT 151; IT 151 for IT 152; or placement

†IT 157–158 Intermediate Italian Language and Culture in Italy I, II 3 CR each
Intermediate-level language course at the American University of Rome. Students placed according to their level. Continues to develop the four skill areas: reading, writing, listening, and speaking. Intensified study of structure and vocabulary. Study of Italian culture integral to the course.

†IT 201–202 Advanced Italian I, II 3 CR each
Designed to fortify proficiency in the various skill areas (reading, writing, listening, and speaking) and cultural awareness. Prepares students for upper-division literature and culture classes. Includes complex grammar review and extensive writing in various styles and genres; cultural and literary readings; oral expression. Audiovisual and/or technological materials incorporated into class. Prerequisite: IT 152 or placement for IT 201; IT 201 or placement for IT 202

†IT 203 Advanced Conversation and Contemporary Issues 3 CR
Development of advanced proficiency and communicative competence through discussion of current events and contemporary issues. Varied readings (newspapers, magazines, technological sources) and activities (debates, skits). Prerequisites: IT 201 and IT 202 or placement

†IT 251 Early Italian Writers 3 CR
A survey of representative literary texts from the Middle Ages through the 17th century. Discussion of historical and cultural context. Several literary
genres (novel, poetry, drama, etc.) treated. Critical techniques introduced. Taught in Italian. Prerequisites: IT 201 and IT 202 or placement

†IT 252 Italian Writers Then and Now 3 CR
A survey of representative literary texts from the 18th century to the present. Discussion of historical and cultural context. Both canonical and lesser-known works in several literary genres (novel, poetry, drama, autobiography, etc.). Critical techniques introduced. Taught in Italian. Prerequisites: IT 201 and IT 202 or placement

IT 280 Italian Civilization and Culture 3 CR
Promotes understanding of the history and culture of Italians with emphasis on the arts, politics, language, thought, and lifestyle. Readings, films, the visual arts and music are incorporated. Audiovisual and/or technological materials incorporated into class. Taught in Italian. Prerequisites: IT 201 and IT 202 or placement

IT 283 Franco–Italian Connections 3–4 CR
Content varies. Comparative course focusing on historical and cultural connections and contrasts between France and Italy. May treat particular period (war years, contemporary times). Can include literature, film, music, and the visual arts. Taught in English with language-specific assignments for foreign language students. Prerequisites: IT 201 and IT 202 or placement

IT 353–359 Topics in Italian Film 3–4 CR
Content varies. Study of particular film directors, movements (Neorealism), periods, and genres. Prerequisites: IT 201 and IT 202 or placement

IT 363–369 Topics in Italian Culture 3–4 CR
Content varies. Study of particular periods (Risorgimento), locations, movements (Fascism), and representative individuals.

Prerequisites: IT 201 and 202 or placement

IT 371 Literary Travelers, Exiles, and Expatriates 3–4 CR
Treats literary representations of travel, exile, and expatriation. Emphasis on works in a variety of genres including novel, autobiography, and letters. Issues include life abroad and life in exile, bicultural and multicultural identity, displacement and subjectivity, bilingualism, and confrontations with foreign cultures. May treat specific period. Prerequisites: IT 201 and IT 202 or placement

IT 372 Women Writers 3–4 CR
Treats literary works by Italian women in a variety of genres including novel, autobiography, drama, poetry, and letters. Discussion of feminist literary criticism and theory. May treat specific period. Prerequisites: IT 201 and IT 202 or placement

IT 373–379 Topics in Italian Literature 3–4 CR
Content varies. Study of particular authors, movements, periods, and genres (short story, drama). Prerequisites: IT 201 and IT 202 or placement

IT 380 Dante and the Italian Literary Tradition 3 CR
An advanced literature course focusing on Dante Alighieri’s Commedia, in particular the Inferno. Also treats Dante’s influence on the Italian literary tradition through contemporary times. Prerequisites: IT 201 and IT 202 or placement

IT 399 Independent Study 3 CR
Work on a special topic to be arranged with instructor who directs this work. Permission of the department chairperson is granted to qualified students in Italian on basis of written prospectus. By special arrangement.
JAPANESE COURSE DESCRIPTIONS

†JP 101–102 Beginning Japanese I, II 3 CR each

†JP 151–152 Intermediate Japanese I, II 3 CR each
Continued emphasis on communicative competence and oral proficiency. Review and intensified study of structure, reading, vocabulary building, composition, listening comprehension, and conversation. Incorporates an appreciation of Japanese culture. Prerequisite: JP 102 for JP 151; JP 151 for JP 152; or placement

LATIN COURSE DESCRIPTIONS

LT 101-102 Beginning Latin, I, II 3 CR each
Intended for beginning-level students. Emphasizes fundamentals of Latin. Includes basic grammar, development of comprehension and expression. Short readings and cultural background incorporated into sequence.

SPANISH COURSE DESCRIPTIONS

†SP 101-102 Beginning Spanish I, II 3 CR each
For students with no previous Spanish education. Basic grammar patterns, oral practice, reading, and writing are studied. Placement by department

†SP 103–104 Advanced Beginning Spanish I, II 3 CR each
For students with some knowledge of Spanish (one or two years of high school and not native speakers). Courses review basic grammar patterns. Extensive practice in listening, speaking, reading, and writing in Spanish. Placement by department

†SP 151–152 Intermediate Spanish I, II 3 CR each
Review of and expanded study of Spanish grammar to consolidate what has been acquired previously. Extensive practice in listening, speaking, reading, and writing Spanish enables students to function in a Spanish-speaking environment. Prerequisite: SP 102 or SP 104 or placement

†SP 201–202 Advanced Spanish Composition and Grammar I, II 3 CR each
Focus on most challenging aspects of grammar such as imperfect/preterite or the use of the subjunctive and writing controlled compositions based on selections previously read and discussed. Prerequisite: SP 152 or placement

SP 203 Spanish for the Professions 3 CR
Designed for students in Nursing, Physical Therapy and Social Work. Emphasis is on special topics related to those professions, focusing on communicating in Spanish. Service learning required. Prerequisites: SP 152 or placement

SP 207–208 Spanish Language and Culture in Spain I, II 3 CR each
Four weeks, intensive summer study abroad in Granada, Spain. Students are placed according to their level of language. The courses include extensive practice in listening, speaking, reading, and writing of Spanish and serve as an introduction to the culture, customs, and history of Spain. Field trips to Sevilla and Córdoba.

†SP 211–212 Conversation I, II 3 CR each
Emphasis on intensive oral practice, short speeches, and group discussions. Prerequisite: SP 152 or placement

†SP 215–216 Spanish Readings and Discussion I, II 3 CR each
Designed to improve reading ability and self-expression through readings chosen from Spanish authors, newspapers, and magazines. Prerequisites: SP
201 and SP 202 or placement

†SP 241 Spanish Phonetics and Phonology 3 CR
A study of the sounds of the language. Recommended for all Spanish majors and those who expect to teach Spanish. Prerequisites: SP 201 and SP 202 or placement

†SP 251–252 Spanish Literature I, II 3 CR each
Spanish literature from the Middle Ages to the present. Oral and written reports are required. Prerequisites: SP 201 and SP 202 or placement

†SP 253–259 Special Topics in the Literature of Spain 3 CR each
Course description varies each time the course is offered. Prerequisites: SP 201 and SP 202 or placement

†SP 261–262 Masterpieces of Latin-American Literature I, II 3 CR each
Latin-American literature from the Colonial period to the present. Prerequisites: SP 201 and SP 202 or placement

†SP 263–269 Special Topics: Latin-American Literature 3 CR each
Course description varies each time the course is offered. Prerequisites: SP 201 and SP 202 or placement

†SP 280 Hispanic Civilization and Culture: Spain 3 CR
History and culture of the Spanish people from their origins to the present day with emphasis on their arts, thought, and lifestyle. Prerequisites: SP 201 and SP 202 or placement

†SP 281 Hispanic Civilization and Culture: Latin America 3 CR
Emphasis on understanding the Spanish-American people through the different periods of their history and their reactions to political, religious, and economic problems. Prerequisites: SP 201 and SP 202 or placement

†SP 283 The Hispanic Caribbean 3 CR
A comprehensive study of the main historical and cultural development of the Caribbean world. Prerequisites: SP 201 and SP 202 or placement

SP 299 Special Topics in Spanish 3 CR
Designates new or occasional courses that may or may not become part of the department’s permanent offerings. Prerequisites: SP 201 and SP 202 or placement

†SP 315–320 Contemporary Issues 3 CR each
Discussions based on current materials, including books, newspapers, magazines, and movies from the Spanish world. Prerequisites: SP 201 and SP 202 or placement

†SP 341 Spanish Linguistics 3 CR
Teaches the relationship between linguistics and the learning of a new language. Prerequisites: SP 201 and SP 202 or placement

†SP 353–359 Advanced Topics in Spanish Literature 3 CR each
The study of literature from Spain. Course description varies each time the course is offered. Prerequisites: SP 201 and SP 202 or placement

†SP 363–369 Advanced Topics in Latin-American Literature 3 CR each
The study of literature from Latin America. Description varies each time the course is offered. Prerequisites: SP 201 and SP 202 or placement

SP 382 The Cultures of Medieval Spain 3 CR
A study of the three cultures and religious traditions comprising Medieval Spain, from the fall of the Roman Empire to 1492: Christian, Moorish (Arab), and Jewish. Varied readings, as well as written assignments, oral presentations, and class discussions are required. Prerequisites:
SP 201 and SP 202 or placement

**SP 385 The Society of Golden Age Spain 3 CR**
A comprehensive study of the society and culture of Golden Age Spain (1500–1700). Varied readings from different historical and cultural perspectives are required, along with written assignments, class discussion, and oral presentations. Prerequisites: SP 201 and SP 202 or placement

**SP 399 Independent Study 3 CR**
Work on a special topic to be arranged with instructor who directs this work. Permission of the department chairperson is granted to qualified students in Spanish on basis of written prospectus. By special arrangement

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**Global Studies**

**GLOBAL STUDIES MINOR**

The interdisciplinary 18-credit minor in global studies is designed to prepare students for a rapidly changing, increasingly complex and global interdependent world. The Internet, multinational corporate power, international trade and international peacekeeping commitments, political and economic organizations of global magnitude, as well as the migration and integration of population groups from diverse religious, cultural and ethnic backgrounds, are clear indicators of a planet in a state of dramatic transition. Economics, politics and more generally the people of this world are becoming closely linked and interconnected. Sacred Heart’s Global Studies minor is therefore a timely practical response to the unpredictable, but exciting, challenges of the 21st century.

**Requirements**

Students who minor in Global Studies must complete 18 credits, including a mandatory 3-credit course GS 150: World Geography. The remaining 15 credits are distributed over at least three of the five clusters, with no more than 6 credits per cluster.

In addition, students who minor in Global Studies must demonstrate competency in a foreign language at the intermediate level.

**Coursework and Groupings**

The following courses have been preapproved. New electives in these fields must be approved by the director of the Global Studies program and the chair of the Department of History. Approval will be based on the centrality of the course topic with respect to issues that are global interest.

- **GS 150 World Geography**
- **Anthropology/Sociology**
  - AN 110 Human Cultural Diversity
  - AN 201 World Cultures
  - SO 239 Diversity and Oppression in Contemporary Society
  - SO 240 Studying Changing Human Populations
  - SO 245 The Contemporary World Social System
  - SO 254 Society and Economic Change
- **Criminal Justice**
  - CJ 252 Comparative Criminal Justice Systems
- **History**
  - HI 207 History of Latin America to 1826
  - HI 208 History of Latin America Since 1826
  - HI 212 Twentieth-Century Latin America
  - HI 218 Modern France
  - HI 236 History of the Arab World I from Muhammad-Ottoman Empire
HI 238 The Modern Arab World  
HI 283 The History of Modern China to 1921  
HI 285 China in Revolution  
HI 300 The Vietnam War

Political Science  
PO 122 Introduction to International Relations  
PO 240 War and Conflict  
PO 242 International Organizations  
PO 243 Terrorism  
PO 313 The Politics of European Integration  
PO 314 Middle East Politics  
PO 315 Latin American Politics  
PO 316 South Asian Politics  
PO 317 African Politics  
PO 318 Contemporary European Politics  
PO 341 International Law

Religious Studies  
RS 214 Introduction to Eastern Religions  
RS 215 Introduction to Islam  
RS 216 Celtic Religious Tradition  
RS 217 Introduction to Western Religions  
RS 219 Women in World Religions

International Business/ Business Economics  
BU 203 Cultural Environment of International Business  
BU/IB 233 International Business Law  
BU/IB 278 Principles of International Business  
BU 375 E-Commerce  
MK/IB 264 International Marketing  
EC 322 International Economics  
EC 324 Economic Stabilization Reform in Central Europe  
EC 342 European Economic Integration  
FN/IB 316 International Financial Management

COURSE DESCRIPTION

GS 150 World Geography 3 CR  
Surveys the wide spectrum of topics that comprise modern physical and cultural geography. Topics include earth/sun relationships, atmosphere, landforms, hydrology, biosphere and energy flow. Also, population, culture, religion, politics, economics, agriculture and industrial/urbanization. Overview concepts include mapping, regions, and environmental issues.

Graphic Design and Visual Arts

Real world Graphic Design training set within a liberal arts-based curriculum is the mission of the Department of Graphic Design and Visual Arts at Sacred Heart University. Striking a balance between cutting edge digital technology and the foundations of drawing, illustration, and painting, affords invaluable diversity for preparation for the professional marketplace. Through its extensive offerings in Graphic Design, carried out by means of intense active and engaged learning programs, the department supports the overall mission of the University. Along with the most up-to-date digital design facilities and a commitment to Graphic Design and Visual Arts as it exists today and in anticipation of changes in the near future, the department develops designers and artists who are critical thinkers and contributing members of society, their communities, and their professions. It is the department’s goal to educate designers who are always able to respond to an ever-changing world.

The Department of Graphic Design and Visual Arts is committed to combining education for life with preparation for professional excellence. The department is ideally situated within the vast design, art, and cultural resources of the metropolitan New York City area. Being part of Fairfield County, Connecticut provides access to the country’s richest base of world-class digital design, marketing, art, and
advertising firms. Combined with a professionally active and experienced faculty in graphic design, illustration, and art, an extensive internship program with some of the region’s most prestigious firms, and exemplary support from the University, the Department of Graphic Design and Visual Arts offers an unmatched opportunity to prepare students for the transition from the classroom to the visual arts workplace.

**FACULTY**

John S. de Graffenried, MFA  
*Associate Professor*

Nathan Lewis, MFA  
*Assistant Professor*

Mary Treschitta, MFA  
*Assistant Professor*

Jonathan Walker, MFA  
*Associate Professor, Chair*

**GRAPHIC DESIGN AND VISUAL ARTS COMPUTER LAB AND STUDIOS**

Facilities include a digital design laboratory with state-of-the-art Macintosh computers, and a second audiovisual studio, both with complete wireless computer support; a full complement of the latest versions of all industry-standard software; multiple professional-grade color printers; and large and standard format scanners. Facilities also include painting, design, drawing, and illustration studios.

**APPLE LAPTOP PROGRAM FOR GRAPHIC DESIGN MAJORS**

The Department of Graphic Design and Visual Arts is able to offer all art majors worldwide 24/7 access to all Adobe CS4 Design Premium software and Adobe After Effects CS4 from anywhere in the world with internet access. The university provides students participating in our laptop program with access to a key license server for the software used in all of the department’s courses. This means that any student at anytime from anywhere in the world can obtain access to the entire Adobe Premium Software suite in order to work on their projects. Graphic Design and Visual Arts is also able to offer on site certified Apple-certified technical support through the department’s Technology Manager in order to handle training, updates, maintenance, and repair issues.

**MAJOR IN GRAPHIC DESIGN AND VISUAL ARTS**

The major in Graphic Design and Visual Arts requires the completion of 51 credits for a concentration in Graphic Design. All Graphic Design and Visual Arts majors complete 24 credits in foundation courses plus 27 credits in the area of concentration.

**Required Courses for Graphic Design and Visual Arts**

**Foundation Courses**

- AR 101 Art in the Western World
- AR 110 Design: Visual Organization
- AR 111 Design II: Color
- AR 112 Three-Dimensional Design
- AR 114 Digital Design Basics
- AR 120 Drawing I
- AR 130 Painting I or AR 131 Watercolor
- AR 201 Studies in Modern Art
- AR 220 Drawing II
- AR 225 Design for the Web

**Advanced-Level Required Courses in Graphic Design**

- AR 211 Graphic Design I
- AR 250 Introduction to Illustration
- AR 270 Graphic Design II
- AR 271 Graphic Design III
- AR 272 Advertising Design or
MINOR IN GRAPHIC DESIGN AND VISUAL ARTS

The minor in Graphic Design and Visual Arts requires the completion of 18 credits.

Required Courses for Graphic Design Minor
- AR 110 Design: Visual Organization
- AR 111 Design: Color
- AR 114 Digital Design Basics
- AR 120 Drawing I
- AR 211 Graphic Design I
- AR 270 Graphic Design II

ASSOCIATE IN ARTS GENERAL STUDIES

Emphasis Requirements (15 credits)
- AR 101 Art in the Western World
- AR 110 Design: Visual Organization
- AR 111 Design: Color
- AR 120 Drawing I
- AR 229 Introduction to Painting

COURSE DESCRIPTIONS

†AR 101 Art in the Western World 3 CR
Explores ideas and arts of cultures that initiate and develop into the Western tradition. Includes an analysis of the basic characteristics of the art and architecture of these eras in the context of general cultural trends.

†AR 104 American Art: Colonial to Modern 3 CR
Covers the ideas and ideals in American art in reference to the European mainstream. Emphasis is on styles and forms of the American environment and experience that constitute the characteristic tradition in painting, sculpture and architecture.

†AR 110 Design: Visual Organization 3 CR
Investigates the compositional elements of art structure. Principles and elements of two-dimensional design line, shape, value, texture and space are examined, with emphasis on the visual communication of ideas.

†AR 111 Design: Color 3 CR
Design principles are explored through the investigation of color interaction and color theory. Emphasis is on pigment mixing and the control of intervals of value, chroma and intensity. Prerequisite: AR 110

AR 112 Three-Dimensional Design 3 CR
Explores ideas dealing with mass, volume and planes in space using various materials. Prerequisite: AR 110

AR 114 Digital Design Basics 3 CR
An introduction and exploration of primary graphic design programs concentrating on Adobe Photoshop and Adobe Illustrator. Basic design concepts are explored in assignments, ensuring a basic understanding of the technological tools of design.

†AR 120 Drawing I 3 CR
Explores fundamental problems of composition and perception as related to drawing. Experimentation is with varied media directed toward both the descriptive and expressive visual conceptualization of ideas.

†AR 201 Studies in Modern Art 3 CR
An analysis of the works and questions raised by the arts of the 19th and 20th centuries. Examines the roles of modern artists as they reflect and project or comment on life in the 20th century.

†AR 204 Renaissance Art 3 CR
A critical discussion of the historical, conceptual and formal changes in
the visual arts within the 15th and 16th centuries. Includes an analysis of the influence of Italian and northern European painting on European cultures.

†AR 205 European Art: 17th–19th Century 3 CR
Discussion of the major developments in painting, sculpture and architecture during the 17th and 18th centuries as modified by the historical situations and humanistic values in specific countries.

†AR 206 Contemporary Art 3 CR
Examines art currently in galleries and museums. Surveys the development of new approaches to form and analyzes the formal idea as related to execution and content. Prerequisite: AR 201

†AR 208 Introduction to Eastern Art 3 CR
Explores issues such as continuity and dichotomy of subject and style and other significant issues of Eastern art. Eastern attitudes are compared and contrasted with the art and ideas of parallel Western periods.

AR 211 Graphic Design I 3 CR
An introduction to classical and modern typefaces, the mechanics of type composition and the fundamentals of layout. Consideration is given to the selection of typefaces that enhance thought and idea. Prerequisite: AR 110 and AR 214

AR 220 Drawing II 3 CR
Development of the student's ability to conceive the figure as form and volume with stress on gesture, proportion and anatomy. Emphasis is on a refinement of techniques for individual expression and self-awareness. Prerequisite: AR 120

AR 221 Drawing III 3 CR
An intensive investigation of media and form as related to the figure. Problems progress from structural ideas to more sophisticated exploitation of subject matter and finally to individual interpretations. Prerequisite: AR 220

AR 223 Three-Dimensional Drawing 3 CR
Deals with the rendering of three-dimensional space and forms. Visual processes relating to depth of field, objects in deep space, volume modeling and conceptualizing are explored. Prerequisites: AR 110 and AR 120

AR 225 Design for the Web 3 CR
Development of skills for creating websites and interactive presentations. Emphasis on the effective organization and visual presentation of information through Adobe Dreamweaver and Fireworks.

AR 229 Introduction to Painting 3 CR
An introduction to painting methods and media. Guided experimentation in oil or acrylic with emphasis on content, color interaction and properties of the media.

AR 231 Painting III 3 CR
Development of individual expression through exploration of independent compositional ideas and technical means related to content. Critiques and evaluations are constant. Prerequisite: AR 230

AR 232 Introduction to Watercolor 3 CR
An introduction to varied techniques of watercolor application. Assignments are based on direct studies of nature, still life and conceptual thinking. Prerequisites: AR 111 and AR 120

AR 250 Introduction to Illustration 3 CR
Introduction of fundamental techniques used in professional illustration. Secondary emphasis on business aspects of commercial art. Assignments range from portraiture to sequential art storyboards. Prerequisite: AR 220

AR 251 Animation, Comic and Fantasy Art I 3 CR
The academic study of the human body in motion, with an emphasis on dynamic positions that are the common denominators in animation, comic or fantasy art. Prerequisite: AR
120 or permission of instructor

**AR 252 Animation, Comic and Fantasy Art II 3 CR**
Emphasis on each student's given area of professional interest, such as animation cells, comic storytelling, or fantasy book cover art. Prerequisite: AR 251

**AR 260 Illustration II 3 CR**
Emphasis is on the technical study of color pencils and watercolor. As the semester progresses, greater emphasis is placed on content and imaginative solutions. Focus is on the information gathering inherent in illustrative problem solving. Prerequisite: AR 160

**AR 261 Illustration III 3 CR**
Continued emphasis on traditional illustrative techniques used in conjunction with the digital application of Adobe Photoshop. Students are encouraged to create works of substance and complexity in regard to composition and thematic content. Prerequisite: AR 260

**AR 262 Head Painting and Drawing 3 CR**
Covers structural painting and drawing of the head and its character. Emphasis on historical and traditional methods of representation using various media and techniques. Prerequisite: AR 220

**AR 264 Advertising Illustration 3 CR**
Deals with imparting visual impact and excitement for the selling of products and services. Developing illustrations for advertising with consideration of reproduction requirements. Problems deal with line, black-and-white, limited and full-color advertising. All media. Prerequisite: AR 261

**AR 270 Graphic Design II 3 CR**
Includes development of ideas as related to print media, package design, publication design and corporate identity systems. Emphasis on the ability to create effective problem-solving concepts. Prerequisites: AR 211 and AR 214

**AR 271 Graphic Design III 3 CR**
Focuses on solving specific design problems by establishing ideas from rough layout to tight comps and coordinating the elements to create effective visual statements. Prerequisite: AR 270

**AR 272 Advertising Design 3 CR**
Explores aspects of print and rich media advertising, including its creation and presentation. Stresses concepts as related to advertising promotion. Prerequisite: AR 270

**AR 274 Computer Graphic Design 3 CR**
Explores complex design software programs with primary focus on the application of computer design in the preparation of print material. Prerequisite: AR 270

**AR 276 Interactive 2D Animation 3 CR**
Development of skills for creating 2D animation, interactive presentations, and web sites. Emphasis on the effective organization and visual presentation of information through Adobe Flash.

**AR 280 Interactive Motion Graphics 3 CR**
Provide a comprehensive, project-based introduction to industry-standard motion graphics and compositing applications. To produce motion graphics and visual effects for film, video, multimedia and web.

**AR 299 Special Topics in Art 3 CR**
New or occasional courses that may become part of the department's permanent offerings. Courses capitalize on timely topics, an instructor's particular interest or alternatives to existing courses. Prerequisite: Established by department

**AR 320 Drawing IV 3 CR**
Focuses on advanced problems of perception, structure, anatomy and concepts in drawing the human figure. Emphasis on independent development of the expressive use of various drawing media. Prerequisite: AR 221
AR 330 Painting IV 3 CR
Studio emphasis on development and clarification of personal and imaginative statements. Initiative and discipline toward the production of a sustained body of consistent work is expected. Prerequisite: AR 231

AR 360 Illustration IV 3 CR
Focus is on editorial- and thematic-based subject matter utilizing illustrative tools and techniques introduced in previous illustration classes including traditional and digital applications. Emphasis is on the continued development and preparation of idea sketches in relation to problem solving of illustrative art. Prerequisite: AR 261

AR 363 Editorial Illustration 3 CR
A study of illustration with short story and editorial views. Preparation of idea sketches in relation to the text, page layout and finished illustrations. Prerequisite: AR 260

AR 370 Graphic Design IV 3 CR
An in-depth investigation of realistic promotional programs ranging from concept to finished visual. Emphasis on individual creative solutions relative to product and idea, budget and client. Prerequisites: AR 112 and AR 271

AR 390 Graphic Design Capstone 3 CR
Development of a professional portfolio, resume and promotional materials, culminating in a public presentation to area design, advertising, marketing, and recruitment professionals. Guidance from faculty and visiting professionals. Prerequisites: All required art courses in major emphasis

AR 391 Senior Project Capstone 3 CR
Encompasses problem-solving and techniques indicative of the ability to work as a mature and independent artist. Includes preparation and presentation of work. Prerequisites: All required art courses in major emphasis

AR 392 Illustration Capstone 3 CR
The continued development and final construction of a professional presentation portfolio, resume and promotional materials. Additional focus on business-related information, such as taxes, expenses and contracts. Prerequisites: AR 360. All required art courses in major emphasis

AR 396 Internship 3 CR
By permission of department chair. Based on availability, qualified students are placed in positions with leading design, advertising, and marketing firms.

History

The History degree opens doors to a variety of career possibilities. The History major provides excellent preparation for a career in teaching, law, politics, business, government, journalism, foreign service, curatorship/museum management, and many other fields. The student of history acquires not only knowledge but also skills in research, analysis, judgment of evidence, and the organization and expression of ideas. These skills and the ability to think analytically and solve problems that a major in History imparts are highly valued qualities in today's world.

FACULTY

Thomas D. Curran, Ph.D.
Professor

Charlotte M. Gradie, Ph.D.
Professor, Chair

James M. Lundberg, Ph.D.
Assistant Professor

Jennifer McLaughlin, M.A.
Instructor
John B. Roney, Ph.D.
Professor

Gregory Viggiano, Ph.D.
Assistant Professor

MAJOR IN HISTORY

A major in History requires the completion of 35 credits in History and 1 credit in Required Supporting Courses.

Required Courses

HI 222 United States History to 1865
HI 223 United States History since 1865
HI 301 Historical Method and Criticism
HI 397 Senior Thesis Prep
HI 398 Senior Thesis
Seven History electives, including at least one in each of the following areas: The Ancient World, Europe, Latin America, and East Asia

Required Supporting Courses

IL 302 Information Literacy for History Majors (1 credit)

MINOR IN HISTORY

A minor in History requires the completion of the following 18 credits:

Required Courses

HI 222 (Formerly 121) United States History to 1865
HI 223 (Formerly 122) United States History since 1865
One elective from each of four areas: The Ancient World, Europe, Latin America and East Asia See also Minors in European Studies, Global Studies and Latin America.

ASSOCIATE IN ARTS
GENERAL STUDIES

Emphasis Requirements (15 credits)

HI 222 (Formerly 121) United States History to 1865
HI 223 (Formerly 122) United States History since 1865
Four History electives including one in each of the following areas: Ancient Europe, the Far East, and Latin America

COURSE DESCRIPTIONS

Note: each course at the 200 level is open to students who have taken HICC 101 or instructor’s permission, and each course at the 300 level is open only to students who have had HICC 101 and are in their sophomore year or higher or have permission of the instructor.

† HICC101 The Human Journey: Historical Paths to Civilization 3 CR
HICC101 is part of Sacred Heart University’s Common Core, The Human Journey. Framed by the Common Core’s four fundamental questions of human meaning and value, this course is designed to provide first-year college students with an understanding of the elements of Western Civilization from the ancient world to the end of the Renaissance, including the Catholic intellectual tradition. HICC101 will also provide students with sufficient knowledge of the history and culture of a non-western civilization (China) to allow for meaningful comparison of the two cultures. Primary texts will be used to bring students into close contact with the main thinkers of the period and to show how historians use written records to interpret the past.

HI 202 Europe and the World 3 CR
This course provides an introduction to the historical development of Europe from the Renaissance to the present in
the context of world history. Through the study of European colonialism, world wars and capitalist economic expansion, students are presented with the global nature of the history of the West.

†HI 207 History of Latin America to 1826 3 CR
Examines the Spanish and Portuguese conquest and empire building, culture and society during the colonial age and the disintegration of the empires by 1826.

†HI 208 History of Latin America since 1826 3 CR
Examines the historical development of Latin America beginning with the wars of independence to the end of the 21st century. Topics include Latin America and the world economy, 20th-century revolutions, the emergence of mass politics, the changing role of religion and foreign relations.

†HI 209 The U.S. and Latin America through History 3 CR
Traces the connections between the two regions from the colonial period to the present. Topics covered include political, economic and diplomatic relations, border conflicts, immigration, and questions of identity.

†HI 212 Twentieth-Century Latin America 3 CR
An in-depth study of the changes in Latin America during the 20th century. Examines the major issues from the Mexican Revolution of 1910 to the Cuban Revolution of 1959 as well as current problems. Topics include dependency, Marxism, Peronism, neo-liberalism, and social and political change in the region.

†HI 216 Princes to Peasants 3 CR
A survey of European social history from the 14th century to the late 19th century. Emphasis on the household and family, gender, social class and rank, the body and death and material and daily life.

†HI 218 Modern France 3 CR
Follows the political, economic and religious developments from 1789 to the 1960s. It examines the last monarchy under Louis Philippe, the rise of democracy by 1848 and numerous political factions and World War I and II, culminating in the person of Charles de Gaulle. Attention is given to continuity and change to understand the character of France.

†HI 219 Modern France 3 CR
Follows the political, economic and religious developments from 1789 to the 1960s. It examines the last monarchy under Louis Philippe, the rise of democracy by 1848 and numerous political factions and World War I and II, culminating in the person of Charles de Gaulle. Attention is given to continuity and change to understand the character of France.

†HI 218 Modern France 3 CR
Follows the political, economic and religious developments from 1789 to the 1960s. It examines the last monarchy under Louis Philippe, the rise of democracy by 1848 and numerous political factions and World War I and II, culminating in the person of Charles de Gaulle. Attention is given to continuity and change to understand the character of France.

†HI 219 Modern France 3 CR
Follows the political, economic and religious developments from 1789 to the 1960s. It examines the last monarchy under Louis Philippe, the rise of democracy by 1848 and numerous political factions and World War I and II, culminating in the person of Charles de Gaulle. Attention is given to continuity and change to understand the character of France.

†HI 221 Politics and Society in Colonial America 3 CR
Explores the cultural, social and political history of the British North American colonies from the eve of the first contact of indigenous and colonizing cultures to the American Revolution (roughly 1492–1783).

†HI 222 (Formerly 121) United States History to 1865 3 CR
Examines American development from the period of exploration to the conclusion of the Civil War. Major themes include colonial society, the Revolution, 19th-century expansion and economic growth, slavery, and the War for the Union.

†HI 223 (Formerly 122) United States History since 1865 3 CR
Analyzes United States development from Reconstruction to the present, examining major social, political, economic, and foreign policy developments and their impact on American life.

†HI 224 (Formerly 222) Freedom in American History 3 CR
Examines the history of freedom in America as a contested ideal. Treatment of blacks in slavery and the political rights of women are among the topics covered.

†HI 229 (Formerly 129) History of Sports in America 3 CR
Examines the development of major spectator sports in America from their fragmentary, localized beginnings to their highly organized and enormously powerful present condition.
†HI 230 The Civil War 3 CR
Examines an epic and transformative period in U.S. history from a multidimensional perspective. The clash of arms, military and civilian leaders, lives of ordinary soldiers and civilians, politics and economies of the Union and Confederacy, and “new birth of freedom” that ended slavery are reviewed and discussed.

†HI 231 The Cold War and American Society 3 CR
Explores the roots and development of the Cold War between the United States and U.S.S.R. (1946–91); its impact on American social, political, economic and cultural values and practices; and some of its long-term consequences for the nation’s society and place in the world.

HI 234 Catholics in American Society 3 CR
This course focuses on the social and cultural history of American Catholics beginning with the earliest contact between native Americans and European colonists to the relationship between Catholics and other religious groups, as well as within American Catholic communities up to the present day.

†HI 236 History of the Arab World I: From Muhammad—Ottoman Empire 3 CR
A study of the rise of Islam and the emergence of the Arabs as a world power. Discussion focuses on the achievements of Muhammad, the institution of the caliphate, Umayyad and Abbasid empires, Crusades and decline of Arab influence in the Near East under the pressure of Turkish expansion.

†HI 238 The Modern Arab World 3 CR
This course begins with the breakup of the Ottoman Empire and delineates the rise of the Arab states in recent times.

†HI 252 Medieval Europe 3 CR
Topics include Feudalism and Christendom, Islam and the Crusades, the Carolingian Empire and the rise of national states. Important elements include art and architecture, cosmology and alchemy, hierarchy, the rise of the early Renaissance, as well as different types of work and “callings.”

†HI 253 History, Art, and Culture in the Low Countries 3 CR
This course examines the history of the Low Countries through art and written texts from 1400 to 1850. It also compares and contrasts the development of Flemish and Dutch art and literature and shows how religion played an important part in the formation of early-modern Low-Country culture.

†HI 281 Introduction to the Civilization of East Asia 3 CR
An overview of the history of China and Japan from prehistoric times to the late traditional period (approximately 1800). Intended to enhance students’ appreciation of the uniqueness and coherence of these two ancient civilizations.

†HI 283 The History of Modern China to 1920 3 CR
Presents the history of modern China from approximately 1800 to 1920 emphasizing the decay of traditional culture and the Chinese response to the West.

†HI 285 China in Revolution 3 CR
Examines the history of 20th-century China focusing on the rise to power of the Chinese Communist Party and its efforts to transform China into a modern nation.

†HI 287 The Holocaust 3 CR
Explores man’s inhumanity to man as exemplified by the Nazi murder of two-thirds of European Jewry. Historical, psychological, sociological and literary themes; prejudice in general and anti-Semitism in particular are studied and followed by an inquiry into the Nazi years.

†HI 299 Special Topics in History 3 CR
Designates new or occasional courses that may or may not become part of
Courses capitalize on a timely topic, a faculty member's particular interest, an experimental alternative to existing courses, etc. Prerequisites established by the department as appropriate for the specific course. Course title is shown on the student's transcript. Consult the current course schedule for available topics.

†HI 300 The Vietnam War 3 CR
A survey of the war in Vietnam emphasizing the colonial origins of the conflict, United States and Vietnamese strategies and the causes of the American defeat.

†HI 301 (Formerly 201) Historical Method and Criticism 3 CR
An introduction to the history of historical thinking and writing, the contemporary field of historical methods and theories, and the research tools and skills necessary for the study of history and the writing of papers and essays.

†HI 311 (Formerly 211) Discovery and Conquest, 1492–1598 3 CR
Examines the major themes of the European expansion beginning in the early Middle Ages to the Portuguese and Spanish conquest and colonization of the Americas and Asia. Topics include European and Indian worldviews, biological and demographic consequences of contact, development of a conquest culture in the Americas, and the role of missionaries and conquistadors.

†HI 314 (Formerly 214) French Revolution and Napoleon 3 CR
Traces the path of the French Revolution from its origins through each of its political phases from 1789 to 1799. It culminates with the rise of Napoleon Bonaparte, his achievements and failures and the end of the empire in 1815.

†HI 322 U.S. Foreign Policy 3 CR
Evolution and expansion of American foreign policy from the Revolutionary period to the present. Analyzes the aims of foreign policy, influences upon it and its impact on the nation's domestic politics.

†HI 325 (Formerly 225) African-American History 3 CR
Examines the forced migration of Africans to America, the condition and nature of slavery, abolitionism, emancipation, twilight zone of freedom, growth of civil rights and Black Power movements.

†HI 328 (Formerly 228) The Immigrant Experience 3 CR
A comparative, historical study of American immigration focusing on motives for immigration, patterns of settlement, adjustment, and subsequent generational experience of successive immigrant groups.

†HI 354 (Formerly 254) The Renaissance and Reformation 3 CR
A study of the transition from medieval to modern society through investigation of political, social, economic, religious, and cultural factors involved in the change.

†HI 377 (Formerly 277) The Great Depression and New Deal 3 CR
Examines the origins and impact of the Great Depression and the transformative changes in American society and government created during the New Deal administration of President Franklin D. Roosevelt.

†HI 391 Internship Program 3–6 CR
Offers qualified students supervised field experience in an area allied with their own interests. Internships are arranged in advance of the semester they are to be taken. Prerequisite: Permission of the instructor

HI 397 Senior Thesis Preparation (Spring Semester, Junior Year) 2 CR
This course, for second-semester Juniors, is designed for students to begin working on their Senior Thesis projects (HI 398). Prerequisites: HI 301 and IL 302
**HI 398 Senior Thesis 3 CR**
Students are exposed to the experience of researching, writing and defending a major historical project. Permits students to learn, on a one-to-one basis with a project director, the importance of critical analysis and writing within the discipline of history.

**†HI 399 Independent Study 1–3 CR**
Directed study of a specific, well-defined topic, by special arrangement with an instructor and with the prior approval of the department chairperson.

### Information Literacy

#### COURSE DESCRIPTIONS

**IL 101 Introductory Information Literacy 1 CR**
This course, which meets once a week for ten weeks, acquaints the student with the process of finding, retrieving, organizing, evaluating, using, and distributing information in an ethical manner both in print and electronic formats. Focus is on gaining the necessary skills to conduct research effectively and efficiently as well as being able to properly evaluate and cite sources.

**IL 302 Information Literacy for History Majors 1 CR**
This course meets once a week for 10 weeks. Each class is one hour and fifteen minutes long. The course is designed to acquaint History students with the process of finding, retrieving, organizing, analyzing, using, and distributing information both in print and electronic formats for the purpose of preparing for and completing their Senior Thesis. Focus is on using primary and secondary resources to create a working bibliography in conjunction with the Senior Thesis (HI 398). Prerequisite: HI 301

## Latin American Studies

### LATIN AMERICAN STUDIES MINOR

In keeping with students’ interest in global and multicultural issues, Sacred Heart University offers an interdisciplinary minor in Latin American Studies. The minor should be particularly attractive to students majoring in Economics, History, Political Science, Business and International Business and Spanish. This minor is also of benefit to students who wish to apply to a graduate program in Latin American Studies or who wish to enhance their prospects in the job market by linking a disciplinary major with a regional specialization.

### Requirements

Requirements include six courses, three of which must be from three different disciplines selected from approved courses in Anthropology, Economics, English, History, Music, Political Science and Spanish. Students who minor in Latin American Studies must demonstrate competency in Spanish or Portuguese at the intermediate level.

### Coursework

The following courses have been preapproved. New electives must be approved by the director of the Latin American Studies program and the chair of the Department of History. Approval will be based on the centrality of the course topic with respect to the study Latin America.

#### Fine Arts
- MU 114 Latin American and Caribbean Music
History
HI 207 History of Latin America to 1826
HI 208 History of Latin America from 1826
HI 209 The U.S. and Latin America Through History
HI 212 Twentieth-Century Latin America

Political Science
PO 315 Latin American Politics

Spanish
SP 261–262 Masterpieces of Latin American Literature, I, II
SP 281 Hispanic Civilization and Culture: Spanish America
SP 283 The Hispanic Caribbean
SP 315–320 Contemporary Issues
SP 363–369 Advanced Topics in Spanish-America Literature

Mathematics

The primary objective of the Mathematics program is to provide an appropriate mathematical background to all University students, focusing on the ability to think critically and solve problems through oral and written communication, in order to foster quantitative literacy.

In addition, the Mathematics program is designed to:

• Provide Mathematics majors with the basic undergraduate mathematical knowledge necessary for graduate studies, a teaching career or a variety of statistical or business careers.

• Provide Science and professional majors with the mathematical and statistical background for their fields and highlight the wide applicability of mathematics.

• Provide Business majors with a foundation in finite mathematics and calculus and illustrate the relevance of mathematics to increasing complexities of the business world.

• Provide Liberal Arts majors with an introduction to mathematical ideas and promote an appreciation and understanding of the important role of mathematics.

The strengths of the department include small class sizes in developmental and major courses, emphasis on student/faculty interaction and classroom instruction utilizing relevant software and technology.

Sacred Heart University is an institutional member of the Mathematical Association of America, as well as the American Mathematical Society.

FACULTY

Julianna Connelly, Ph.D.
Assistant Professor

Rosemary Danaher, M.S.
Instructor

Hema Gopalakrishnan, Ph.D.
Assistant Professor

George Goss, M.A.
Instructor

Andrew Lazowski, M.S
Instructor

Peter Loth, Ph.D.
Professor, Chair

Jason Molitierno, Ph.D.
Associate Professor

Ryan Mullen, Ph.D.
Assistant Professor

Phani Papachristos, M.A.
Instructor
Jessica Pfeil, Ph.D.  
Assistant Professor

MAJOR IN MATHEMATICS

The Mathematics major requires the completion of 40 mathematics credits plus 8 credits in a Natural Science.

Required Courses
MA 151 Calculus I
MA 152 Calculus II
MA 253 Calculus III
MA 261 Linear Algebra
MA 301 Mathematical Structures and Proofs
MA 331 Probability and Statistics I
MA 354 Differential Equations
MA 362 Abstract Algebra
MA 371 Real Analysis
MA 398 Senior Seminar in Mathematics

In addition to the required courses, the Mathematics major must choose two of the following electives:

Electives
MA 211 Geometry for Educators
MA 311 Geometry
MA 320 Graph Theory
MA 325 Number Theory
MA 332 Probability and Statistics II
MA 372 Complex Analysis.

Required Supporting Courses (8 credits)

Biology
BI 111/113 & BIO 112/114 OR

Chemistry
CH 151/153 & CH152/154 OR

Physics
PY 111/113 & PY 112/114

MINOR IN MATHEMATICS

The minor in Mathematics requires the completion of the following 19 credits:

Required Courses
MA 151 Calculus I
MA 152 Calculus II
MA 253 Calculus III
MA 261 Linear Algebra
MA 331 Mathematical Probability and Statistics I

ASSOCIATE IN ARTS GENERAL STUDIES

Requirements (16 credits)
MA 140 Precalculus
MA 151 Calculus I
MA 152 Calculus II
MA 261 Linear Algebra

COURSE DESCRIPTIONS

MA 006 Intermediate Algebra 3 CR
Explores the real number system, exponents and radicals, polynomials, rational expressions, linear and quadratic functions and their graphs. Does not carry degree credit. A grade of C or better is required. Prerequisite: Mathematics Placement Exam

†MA 101 Modern College Mathematics I 3 CR
Examines systems of numeration, the real number system, finite mathematical systems, number theory, sequences and basic financial mathematics. Prerequisite: C or better in MA 006 or placement by Mathematics Department

†MA 102 Modern College Mathematics II 3 CR
Systems of linear equations, inequalities, probability and introductory statistics.
†MA 104 Mathematics for Elementary School Teachers 3 CR
This one-semester course is designed specifically for students planning to teach at the elementary school level. Topics include geometry, measurement, rational numbers, ratio, proportion, percents, problem solving, mathematical reasoning and connections, probability and statistics. Prerequisite: MA 101

†MA 105 Mathematical Applications for Health Sciences 3 CR
Designed exclusively for Nursing students. Topics include college-level algebra, graphing, basic trigonometric functions and appropriate applications for the health sciences. It is a problem-solving approach to mathematics. Prerequisite: C or better in MA 006 or placement by Mathematics Department

†MA 106 College Algebra 3 CR
This is one-semester course is designed to improve algebraic skills. Topics include: functions, equations and inequalities in one variable; linear, quadratic, polynomial and rational functions, exponential and logarithmic functions; systems of linear equations in two variables. Algebraic techniques and applications are stressed. Prerequisite: Placement by Mathematics Department

†MA 109 Mathematics for Decision Making 3 CR
Designed specifically for the Business major. Focus is on linear functions, systems of equations, matrices, probability and linear programming. Prerequisite: C or better in MA 006 or placement by Mathematics Department

†MA 110 Calculus for Decision Making 3 CR
Designed specifically for the Business major. Includes study of limits; differentiation of algebraic, exponential and logarithmic functions; integration; and applications of calculus. Prerequisite: MA 109 or placement by Mathematics Department

†MA 131 Statistics for Decision Making 3 CR
Emphasizes the use of computer software. Descriptive statistics, probability distributions, confidence intervals, correlation and hypothesis testing are studied. Prerequisite: One college-level Mathematics course or placement by Mathematics Department

†MA 133 Business Statistics 3 CR
Introduces statistics to Business majors. Problem-oriented course discussing the use of statistics, frequency distribution, probability sampling, hypothesis testing, correlation analysis, linear regression analysis and graphic representation of statistical data using Excel. Prerequisites: One college-level Mathematics course or placement by Mathematics Department

†MA 140 Precalculus 4 CR
Addresses the algebra of functions, polynomial and rational functions, exponential and logarithmic functions and trigonometric functions, including analytical trigonometry. Prerequisite: MA 106 or placement by Mathematics Department

†MA 151 Calculus I 4 CR
Explores limits and approximation, differential and integral calculus of the elementary algebraic and transcendental functions, applications of differentiation and integration. Prerequisite: MA 140 or placement by Mathematics Department

†MA 152 Calculus II 4 CR
Covers applications and methods of integration, inverse trigonometric functions, improper integrals, sequences and series, parametric representation and polar coordinates. Prerequisite: C or better in MA 151

MA 211 Geometry for Educators 3 CR
Designed especially for students interested in education. This course introduces the student to the study of an axiomatic system and to an introduction to proof writing. It includes the study of Euclidean
MA 253 Calculus III 4 CR
Introduces three-dimensional analytic geometry, multivariable calculus, real-valued functions of several variables, limits and continuity, partial derivatives, multiple integration. Prerequisite: C or better in MA 152

MA 261 Linear Algebra 4 CR
Focuses on sets and linear mappings, vector spaces and subspaces, inner product spaces, matrix theory, determinants and eigenvalues. Prerequisite: C or better in MA 152

MA 299 Special Topics in Mathematics 3 CR
Designates new or occasional courses on a timely topic or a faculty member's particular interest. Course title is shown on the student's transcript. Consult the current course schedule for available topics and current prerequisites.

MA 301 Mathematical Structures and Proofs 3 CR
Introduces students to the understanding and creation of rigorous mathematical arguments and proofs. Includes methods of proof, set theory, relations and functions, properties of the integers, real and complex numbers and polynomials. Prerequisite: Sophomore standing or C or better in MA 152

MA 311 Geometry 3 CR
Includes study of axiomatic systems, Euclidean and non-Euclidean geometry, projective geometry, incidence and separation properties in 2 and 3 space, and inversion in a circle and in a sphere. Junior standing or permission of Mathematics Department

MA 320 Graph Theory 3 CR
Focuses on structures and properties of graphs and their applications. Topics include: traversability, trees, connectivity, network flow, graph coloring, chromatic number and planarity. Discussion of application of graph theory to computer science, transportation, scheduling, communication, chemistry and a variety of other fields. Prerequisite: C or better in MA 301

MA 325 Number Theory 3 CR
Course is designed to give students a deeper understanding of mathematics. This course focuses on the fundamental principles and basic theories of “numbers” and their relevance to the study of mathematics. Topics include primes, congruences, quadratic residues and continued fractions.

MA 331 Probability and Statistics I 3 CR
Addresses probability, discrete random variables and their distributions. Applied approach to estimation, correlation, regression and hypothesis testing. Prerequisite: C or better in MA 152

MA 332 Probability and Statistics II 3 CR
Focuses on continuous random variables and their distributions, multivariate distributions, expectation, theory of estimation, method of moments and of maximum likelihood. Prerequisites: MA 253 and MA 331

MA 354 Differential Equations 3 CR
Focuses on equations involving functions and one or more of its derivatives. Examines first-order differential equations, numerical and qualitative techniques for solving differential equations, linear systems, geometry of linear systems, and applications to forcing/resonance. If time permits, the course will address the Laplace Transform, convolutions, and advanced numerical methods for solving differential equations. Prerequisite: C or better in MA 253

MA 362 Abstract Algebra 3 CR
Explores algebraic systems, group theory, quotient structures, isomorphism theorems, ring theory and ideals, as
well as integral domains and fields. Prerequisite: C or better in MA 301

**MA 371 Real Analysis 3 CR**
Addresses real numbers, cardinality, metric spaces, convergence, topology, continuity and differentiability. Prerequisites: C or better in MA 301 and Senior standing

**MA 372 Complex Analysis 3 CR**
Examines the algebra and geometry of complex numbers, analytic functions, integration, Taylor and Laurent series, contour integration, analytic

**MA 398 Senior Seminar 3 CR**
Capstone course for the mathematics major. Each student works on a research project leading to an oral presentation and the writing of a formal paper. Prerequisite: Senior standing

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**Middle Eastern Studies**

**FACULTY**

Dr. June-Ann Greeley, Ph.D.
Program Director

**MIDDLE EASTERN STUDIES MINOR**

Islam is the fastest growing religion in the world. By 2025, 20% to 25% of the world’s population will be Muslim. The Israeli/Palestinian conflict has affected decades of politics and public policy in both Western nations as well as regions of the Middle East and Southeast Asia. The tragic events associated with September 11, 2001, and the subsequent war on terrorism, which has reached global proportions, are signatures of the dramatic shift in global economy/politics/society that have altered perhaps permanently American perspectives of itself and the world. The deployment of the U.S. military to Afghanistan, the invasion of Iraq, and what now appears to be a prolonged U.S. commitment to establishing a democracy not only in Iraq but in countries throughout the region are all indicators of the complex interlocking of American and Middle Eastern interests for generations to come.

A well-balanced minor in Middle Eastern Studies will enrich the undergraduate experience for students, and should prove beneficial for graduate study and professional careers.

**Interdisciplinary Minor**

The Middle Eastern Studies minor is interdisciplinary and requires a total of 18 credits of coursework in a foreign language, history, political science and religious studies.

**Required Courses**

**Track I**

There are two possible tracks of study to complete the MES minor.

The first track consists of the following required courses:

- AB 101 Beginning Arabic I
- AB 102 Beginning Arabic II
- HI 236 History of the Arab World I: From Muhammad-Ottoman Empire
- HI 238 The Modern Arab World
- PO 314 Middle East Politics
- RS 215 Introduction to Islam

Whichever course is taken last is to be considered the ‘capstone’ course for the minor. Students electing this track should discuss the final and ‘capstone’ course requirements with the director of the program at least one semester prior to the actual scheduling of the final course.
Track II

The second track consists of the following required courses:

AB 101 Beginning Arabic I
AB 102 Beginning Arabic II
EITHER: HI 236 History of the Arab World I: From Muhammad-Ottoman Empire
OR HI 238 The Modern Arab World
PO 314 Middle East Politics
RS 215 Introduction to Islam
Capstone in MES (usually listed as an Independent Study in the chosen discipline)

The capstone is the culmination of the MES minor and is developed as an independent study upon consultation with the director of the MES program. The student is expected to study a specific, interdisciplinary MES topic with an identified mentor in any one of the several disciplines integrated into the MES minor. The completion of the capstone is usually a formal research paper, written under the supervision of the course mentor.

The University normally offers Arabic in alternate years. Students interested in the minor should schedule accordingly. In the event of late declaration of the minors, substitutions may be approved by the minor program director. Special topics involving the Middle East, if and when offered under History, Political Science, or Religious Studies, can be used as substitutes for a required course only if the required course is not available within the student's four-year course of study. The study of Arabic cannot be substituted by any course other than Middle Eastern language courses. The application of such courses to the Middle Eastern Studies minor requires the approval of the minor program's director.

Suggested Courses Beyond the Minor Requirements

AR 208 Introduction to Eastern Art
PO 316 South Asian Politics
RS 205 Ancient Cults and Religions
RS 217 Introduction to Western Religions

Military Science

COURSE DESCRIPTIONS

MI 101 – Part I: Introduction to Leadership 1 CR
This course introduces cadets to the personal challenges and competencies that are critical for effective leadership. Cadets learn how the personal development of life skills such as goal setting, time management, physical fitness, and stress management relate to leadership, officership, and the Army profession. Focus is placed on developing basic knowledge and comprehension of Army Leadership Dimensions while gaining a big picture understanding of the ROTC program, its purpose in the Army, and its advantages for the student. No military obligation.

MI 102 Introduction to Tactical Leadership 1 CR
The course reviews leadership fundamentals such as setting direction, problem solving, listening, presenting briefs, providing feedback, and using effective writing skills. Cadets explore dimensions of leadership values, attributes, and competencies in the context of practical, hands-on, and interactive exercises. Continued emphasis is placed on recruitment and retention of Cadets. Cadre role models and the building of stronger relationships among the Cadets through common experience and practical interaction are critical aspects of the course experience. No military obligation.
MI 201 Introduction to Team Leadership 2 CR
This course explores the dimensions of creative and innovative tactical leadership strategies and styles by studying historical case studies and engaging in interactive student exercises. Cadets practice aspects of personal motivation and team building in the context of planning, executing, and assessing team exercises. Focus is on continued development of the knowledge of leadership values and attributes through an understanding of rank, uniform, customs, and courtesies. Leadership case studies provide tangible context for learning the Soldier’s Creed and Warrior Ethos.

MI 202 Foundation of Tactical Leadership 2 CR
This course examines the challenges of leading in complex contemporary operational environments. Dimensions of the cross-cultural challenges of leadership in a constantly changing world are highlighted and applied to practical Army leadership tasks and situations. This course provides a smooth transition into MI 301 Adaptive Tactical Leadership. Cadets develop greater self-awareness as they practice communication and team building skills. Contemporary Operating Environment (COE) case studies give insight into the importance and practice of teamwork and tactics in real world scenarios.

MI 301 Adaptive Tactical Leadership 3 CR
The course consists of one class period, physical training sessions and leadership laboratory, and one weekend field training exercise. The course is designed to challenge cadets to study, practice, and evaluate adaptive leadership skills as they are presented with the demands of the ROTC Leader Development Assessment Course (LDAC). Challenging scenarios related to small unit tactical operations are used to develop self-awareness and critical thinking skills. Cadets receive systematic and specific feedback on their leadership abilities. Cadets begin to analyze and evaluate their own leadership values, attributes, skills, and actions. Primary attention is given to preparation for LDAC and the development of leadership qualities.

MI 302 Leadership in Changing Environments 3 CR
The course consists of one class period, physical training sessions and leadership laboratory, and one weekend field training exercise. This course uses increasingly intense situational leadership challenges to build cadet awareness and skills in leading small units. Skills in decision-making, persuading, and motivating team members when “under-fire” are explored, evaluated, and developed. Aspects of military operations are reviewed as a means of preparing for the ROTC Leader Development Assessment Course (LDAC). Cadets are expected to apply basic principles of the Law of Land Warfare, Army training, and motivation to troop leading procedures. Emphasis is also placed on conducting military briefings and developing proficiency in Garrison operations orders. Cadets are evaluated on what they know and do as leaders.

MI 351 Developing Adaptive Leadership 3 CR
The course consists of one class period, physical training sessions and leadership laboratory, and one weekend field training exercise. Cadets learn to develop proficiency in planning, executing, and assessing complex operations, functioning as a member of a staff, and providing leadership-performance feedback to subordinates. Cadets are given situational opportunities to assess risk, make sound ethical decisions, and provide coaching and mentoring to fellow ROTC Cadets. MSL (Military Science Level) IV Cadets are measured by their ability to give and receive systematic and specific feedback on leadership abilities using the Socratic model of reflective learning. Cadets at the MSL IV level analyze and evaluate the leadership values, attributes, skills, and actions of MSL III Cadets while...
Simultaneously considering their own leadership skills, attention is given to preparation for success at Basic Officer Leadership Course (BOLC) II and III, and the development of leadership abilities.

**MI 352 Leadership in a Complex World** 3 CR
The course consists of one class period, physical training sessions and leadership laboratory, and one weekend field training exercise. This course explores the dynamics of leading in the complex situations of current military operations. Cadets examine differences in customs and courtesies, military law, principles of war, and rules of engagement in the face of international terrorism. Aspects of interacting with non-government organizations, civilians on the battlefield, and host nation support are examined and evaluated. Significant emphasis is placed on preparing cadets for their first unit of assignment. Case studies, scenarios, and “What Now, Lieutenant?” exercises are used to prep cadets to face complex ethical and practical demands of leading as commissioned officers in the United States Army.

**Required Courses for Music Minor**

**Track I: Regular (18 credits)**
- MU 121 Musicianship/Theory
- MU 103 Bach to Beethoven or MU 104 Brahms to Bernstein
- Three credits in applied music
- Nine credits from music history or music literature courses

**Track II: Performance (17 credits)**
- MU 121 Musicianship/Theory
- MU 103 Bach to Beethoven or MU 104 Brahms to Bernstein
- Nine credits in applied music (five in an ensemble and three of private lessons)
- 1 additional music elective course (three credits) in a music history or music literature course

**Required Courses for Associate Degree with Music Concentration (18 Credits)**
Same as Track I—Regular (above)

*Note: No more than 8 credits in applied music may count toward the 120 credits required for a bachelor's degree. Students may elect more credits, but they will be counted beyond those needed for degree completion.*

**Music**

The Academic Music Program, housed in the College of Arts and Sciences, offers music elective courses, individual private lessons, and performing ensembles. The program provides the environment and opportunity to hear, experience, and participate in the art of music. The study of music both as a knowledgeable listener, creator, and/or performer nurtures an important human aesthetic dimension.

Music, in its many cultural manifestations, touches upon the enduring questions of human meaning and value. It serves as an opportunity to develop imagination, creativity, and understanding, and gives students the opportunity to use and further help their own skills and talents. As a non-major program, the program's goal is to encourage students to experience music so that a foundation for continued learning, appreciation and enrichment is created.
COURSE DESCRIPTIONS

†MU 102 History of Jazz 3 CR
This course features a study of jazz styles from historical African sources to the contemporary era.

†MU 103 Bach to Beethoven: Their Lives and Music 3 CR
This course focuses on famous compositions and composers primarily from the Baroque and Classical eras, 1600–1825. Highlights include classics and well-known works by Bach, Mozart, Haydn, and Beethoven. The music of these composers reflects the era in which it was created, but continues to provide contemporary meaning and inspiration to people around the world.

†MU 104 Brahms to Bernstein: Their Lives and Music 3 CR
Highlights of this course include exciting pieces by Romantic and 20th-century composers from 1825 to the present. These composers created music that reflects the various cultures in which they lived, but additionally shows inspiring creativity, individuality, and uniqueness in an ever-changing world.

†MU 112 Music in America 3 CR
U.S. folk, jazz, popular and fine art music are studied in this course. Emphasis is on aural analysis and placing historical and contemporary music in its cultural context.

†MU 114 Latin American and Caribbean Music 3 CR
This course traces the development of the most important Latin American musical styles from their historical folk origins to the present. Focus is on music from Cuba and Brazil.

MU 118 Beginning Music Reading and Writing 3 CR
Designed for those with little prior music reading experience, this course uses free, downloadable computer notation software to study and practice the basic elements of music reading and notation. Intended as a practical course to encourage students to better their understanding and skill in music, students examine musical examples and focus on the completion of their own creative notation projects.

†MU 121 Musicianship I 3 CR
This course focuses on the development and enhancement of musical skills through music reading and notation, rhythmic and tonal perception and analysis. Other areas covered include the construction and function of scales, intervals and triads. Open to all students. Offered Fall semesters.

†MU 122 Musicianship II 3 CR
This course continues the development of musical skills through further practice with music notation, musical analysis, and aural perception. The construction and function of triads, harmonic motion, rhythm, texture and writing are covered. Offered Spring semesters. Prerequisite: MU 121 or by permission

†MU 125 Music in the Performing Arts 3 CR
A study of music and artists in the dramatic and performing arts, both past and present. Focus is on chamber music, opera, and musical theatre.

MU 130–233 Applied Music 1–2 CR
Private or group music performance courses that may be repeated for credit. Applied Music courses do not satisfy Area B-1 requirements.

MU 131 Private Lessons 1 CR
Individual instruction in selected instruments or voice. One half-hour lesson per week. Fee required. Prerequisite: Departmental permission

MU 132 Private Lessons 2 CR
Individual instruction in selected instruments or voice. One-hour lesson per week. Fee required. Prerequisite: Departmental permission
MU 136 Concert Band 1 CR
This course develops students’ talents and musicianship through participation in a performing instrumental group. The ensemble presents a wide variety of interesting and significant repertoire arranged and written for concert band, in both on- and off-campus concerts and events. Prerequisite: Audition and permission

MU 137 Concert Choir 1 CR
This course develops students’ talents and musicianship through participation in a larger vocal ensemble. The choir focuses on the training in and performance of interesting and significant choral works from many different cultures and historical periods. Participants perform in concerts and events both on and off campus. Prerequisite: vocal interview and permission

MU 138 Jazz Band 1 CR
This course develops students’ musicianship and musical talent in a contemporary musical art form. The jazz workshop approach develops stylistic and improvisational skills with the goal of presenting concerts and performing. Prerequisite: Permission

MU 139 Guitar Ensemble 1 CR
This course develops students’ talents and musicianship through participation in a performing instrumental group. The ensemble presents a wide variety of repertoire arranged and written for guitar in both on- and off-campus concerts and events. Prerequisite: Permission

MU 198 Liturgical Choir 1 CR
This ensemble is open to all singers and instrumentalists by audition who wish to participate in the music of the Sunday evening liturgy. Students meaningfully experience and appreciate the vibrant heritage of the Catholic music tradition. Both contemporary and traditional styles of music are offered in the spirit of prayer. Through practice and presentation of appropriate music, musical skills are utilized, encouraged and further developed. Prerequisite: Audition

MU 233 4-Heart Harmony 1 CR
This advanced mixed chamber choir performs a wide variety of significant and interesting music, including a capella, jazz, pop, show tunes, multicultural and classical choral repertoire. Participants perform in concerts and events both on and off campus. Members are experienced choral singers and the ensemble is open by interview and vocal audition. Prerequisite: Permission

MU/RS 239 Catholic Church Music 3 CR
Interesting and important works from the great tradition of music written for the Catholic Church are viewed through the Church’s historical and present liturgical traditions. As a significant component of the Catholic Intellectual Tradition, relevant musical examples from the early through contemporary periods are examined from liturgical, technical, and cultural viewpoints. The Church’s reaction to and use of the wide variety of musical compositions are examined and discussed.

MU 299 Topics in Music 3 CR
Designates new or occasional courses that may or may not become part of the department’s permanent offerings. Courses capitalize on a timely topic, a faculty member’s particular interest, an experimental alternative to existing courses, etc.
Philosophy

The philosophical experience is considered integral to the intellectual and cultural development of today’s student. In our increasingly complex and dynamic culture, the growth of novel and changing ideas unsettles traditional patterns of thought and action. As a result, the role of philosophy becomes more vital, for it addresses the conflict between the enduring insights of the past and the new discoveries and theories of the present in an attempt to attain a coherent philosophy of life.

In whatever way the student comes to Philosophy—whether it be to satisfy a core, major, or elective requirement—the department seeks to enrich the student’s life-experience by making available the broad and generous ideas that have shaped the contemporary intellectual world. The program provides a broad range of electives dealing with historical movements, great philosophical figures of the past and present, perennial philosophical themes, and contemporary issues.

FACULTY

Greg K. Lew, Ph.D.
Lecturer

Edward Papa, Ph.D.
Associate Professor

Michael Ventimiglia, Ph.D.
Associate Professor

MAJOR IN PHILOSOPHY

The major in Philosophy requires the completion of 30 credits.

Required Courses
PH 101 Introduction to the Problems of Philosophy
PH 212 Practical Logic
PH 231 Philosophy of Knowledge
PH 251 Ethics or PH 258 Medical Ethics
Six Philosophy electives

MINOR IN PHILOSOPHY

The minor in Philosophy requires the completion of the following 18 credits:

Required Courses
PH 101 Introduction to the Problems of Philosophy
Five Philosophy electives from 200- or 300-level courses.

ASSOCIATE IN ARTS GENERAL STUDIES

Emphasis Requirements (15 credits)

PH 101 Introduction to the Problems of Philosophy
Four Philosophy electives

COURSE DESCRIPTIONS

†PHCC104 The Human Search for Truth, Justice, and the Common Good 3 CR
This course is the capstone course in Sacred Heart University's Common Core sequence of study, The Human Journey. As the capstone, this course addresses the Core’s four fundamental questions of human meaning and value. This course will investigate the religious or philosophical understanding of the human condition as a theme running through the four stated questions. Students will study both classic and contemporary texts from a range of religious and some philosophical traditions, particularly the Catholic intellectual tradition. A
vital component of the course will be students’ own responses to the four questions, especially as those responses evolve through the enrichment of the course material. As a capstone course, PHCC104 enables students to develop a personal, integrated set of answers to the common core questions through a range of modalities and media, including service projects, research papers, artistic productions, student “portfolios” of completed assignments for all four Core courses, and other similarly integrated and interdisciplinary work.

†PH 101 Introduction to the Problems of Philosophy 3 CR
Philosophy is defined for the beginning student through an exploration of the branches of philosophy and their respective problems.

†PH 212 Practical Logic 3 CR
Practice of logical analysis in classroom exercises. Focuses on informal logic, how to make ideas clear, reason correctly and evaluate evidence used to substantiate a truth claim.

†PH 221 Historical Survey of Philosophy 3 CR
Primary texts from the philosophers of ancient Greece, the Hellenistic-Roman period and the Middle Ages. Prerequisite: PH 101

†PH 222 Understanding Our Universe 3 CR
Major philosophical, theological, scientific issues in cosmology. Creation, evolution, and fate of the universe. Design and chance, freedom and determinism, God and the universe. Prerequisite: PH 101

†PH 225 Philosophy of Plato 3 CR
The nature of the philosophical life is examined through an exploration of selected Platonic dialogues. Prerequisite: PH 101

†PH 226 The Philosophy of Aristotle 3 CR
Emphasizes the ethics, politics, and metaphysics of the Aristotelian system and its contrast to the Platonic synthesis. Prerequisite: PH 101

†PH 231 Philosophy of Knowledge 3 CR
The conditions that make knowledge possible and the criteria of truth and falsity. Selected representative historical thinkers. Prerequisite: PH 101

†PH 241 Medieval Philosophy 3 CR
The Aristotelian tradition as developed within Islam, Judaism, and Christianity. Prerequisite: PH 101

†PH 245 The Philosophy of St. Augustine 3 CR
Examines Augustine's contribution to the development of Roman Catholic philosophy and theology. Prerequisite: PH 101

†PH 251 Ethics 3 CR
Primary texts from notable moral philosophers in the Western philosophical tradition, from Socrates to Rawls. Prerequisite: PH 101

†PH 255 Political Philosophy 3 CR
Primary texts from the history of political thought including Plato, Lao-Tzu, Aquinas, Machiavelli, Hobbes, Locke, Rousseau, Marx, Mill and Rawls. Prerequisite: PH 101

†PH 256 The Philosophy of Technology 3 CR
Representative views of the social role of technology. Two fundamental questions are addressed. The extent of technology's impact on social institutions and individual lives. And, to what degree is this impact beneficial or harmful? Prerequisite: PH 101

†PH 258 Medical Ethics 3 CR
Examines the ethical and legal issues surrounding abortion, physician-assisted suicide, euthanasia, genetic cloning, genetic therapy/enhancement, genetic patenting, and health care allocation. Prerequisite: PH 101
†PH 270 Philosophical Anthropology 3 CR
Reflections on the nature and meaning of human existence, especially in contemporary philosophy such as existentialism and Marxism. Writings of Buber and Scheler on human nature are studied. Prerequisite: PH 101

†PH 272 Metaphysics 3 CR
Four movements in the development of the Western metaphysical tradition: Aristotle, Thomas Aquinas, Kant and Heidegger. Prerequisite: PH 101

†PH 278 East/West Comparative Philosophy 3 CR
Heidegger and East Asian thought, the origin of Greek and Chinese philosophy; the Kyoto school; Nishitani's Religion and Nothingness. Prerequisite: PH 101

†PH 283 Philosophical Theology 3 CR
The problem of God before and after Kant's "Copernical Revolution," phenomenology of religion and postmodern theology. Prerequisite: PH 101

†PH 284 Philosophy of Film 3 CR
Uses contemporary films to lead students through advanced philosophical examination of issues such as epistemology, ethics, religion, technology, and the nature of the mind. Prerequisite: PH 101

†PH 299 Special Topics in Philosophy 3 CR
Designates new or occasional courses that may or may not become part of the department's permanent offerings. Courses capitalize on a timely topic, a faculty member's particular interest, an experimental alternative to existing courses, etc. Prerequisites established by the department as appropriate for the specific course. Course title is shown on the student's transcript. Consult the current course schedule for available topics and current prerequisites.

†PH 306 Existentialism 3 CR
Nineteenth- and 20th-century existentialism, especially the thought of Kierkegaard, Nietzsche, Heidegger and Sartre. Prerequisite: PH 101

†PH 322 American Philosophy and Culture 3 CR
Interaction of American philosophical thought and the American experience as revealed in the philosophies of Edwards, Emerson, Thoreau, Peirce, James and Dewey. Prerequisite: PH 101

†PH 331 Oriental Thought 3 CR
An introduction to the philosophies of India, China and Japan. A presentation and analysis of the major schools of philosophy, including Hinduism, Buddhism, the Confucian school, Taoism and Zen Buddhism. Topics include finding one's self, transformation, compassion, moral cultivation, sage-hood and enlightenment. Prerequisite: PH 101

†PH 360 Evolution, Philosophy, and Christianity 3 CR
To gain an understanding of evolutionary biology and the philosophical difficulties it creates for Christianity and our understanding of human nature. Prerequisite: PH 101

†PH 380 Philosophy of Wilderness 3 CR
The concept of wilderness has always both shaped and challenged understandings of nature, humankind, and civilization. The concept is explored in ancient philosophy, modernism, Thoreau, and contemporary ecological thought. Prerequisite: PH 101

†PH 381 Love in the Western Tradition 3 CR
Examines the idea of love in the Western intellectual tradition, from the Greeks to today. Philosophical problems arising from the scientific study of love and altruism are also investigated. Prerequisite: PH 101

†PH 382 Problems in Contemporary Philosophy 3 CR
Topics, selected by the instructor,
such as war and peace, near-death studies, the philosophical novel, new directions in philosophy or the crisis in professional ethics. Prerequisite: PH 101

†PH 383 The Philosophy of St. Thomas Aquinas 3 CR
The existence and nature of God, human knowledge, the state, natural and divine law, virtue, grace and the Incarnation as explicated in the Summa Theologica. Prerequisite: PH 101

PH 399 Independent Study 1–3 CR
An area of study for which no course is presently provided. The student must find an instructor competent in his or her proposed topic and secure the permission of the chairperson and the dean. Prerequisite: PH 101

COURSE DESCRIPTIONS

†PYCC103 The Human Community and Scientific Discovery 3 CR
This is the third of four courses in Sacred Heart University’s Common Core Curriculum, The Human Journey. As part of The Human Journey curriculum, this course will address the four fundamental questions of human meaning and value from the perspective of the academic disciplines of Physics and Theology. PYCC103 will examine the relationships between our human explorations of the universe through science, in general, and physics, in particular. We will examine Physics as a fundamental and practical human endeavor which helps us understand and appreciate the natural world as part of God’s provision and revelation for us. As with all of the courses that make up the Common Core, the four fundamental questions will serve as the threads that will serve as the framework for the fabric of the course.

†PY 045 Physical Geology 3 CR
Students are introduced to the forces and phenomena that have created earth. The State of Connecticut will be utilized as the laboratory illustrating the theories presented in the classroom. Participants will be involved in process thinking, problem solving, and the application of knowledge in a field laboratory setting. Observation, data collection, and hypothesizing are utilized in individual and group investigations.

†PY 055 Science and the Bible 3 CR
This course investigates selected events noted in the Bible: Creation, Eve, Moses’ Ten Plagues, Noah’s Flood, Sodom and Gomorrah, and the Star of Bethlehem.

†PY 090 Basic Astronomy 3 CR
Explores the universe briefly. Emphasis is on the solar system and recent space explorations. Observations of the sky and/or visit(s) to planetariums.

Physics

The physics curriculum, which is a nonmajor program, provides introductory physics courses for students in science majors, Pre-Physical Therapy, Pre-Medical, Pre-Dental, Pre-Veterinary and preprofessional programs in health-related careers. Courses of general interest to meet core science requirements for the nonscience major are also offered.

FACULTY

Joel Block, Ed.D.
Visiting Assistant Professor

Marlina Slamet, Ph.D.
Associate Professor
†PY 100 Elements of Physics 4 CR
Covers the basic laws of mechanics, properties of matter, electricity, magnetism and modern physics with an introduction to quantitative laboratory. Designed for health-related professions. Prerequisite: MA 106 or higher

PY 105 First Half of General Physics I 3 CR
Noncalculus-based course covering the first half of the material in the standard General Physics I (PY 111): units, vectors, 1D and 2D motion, concepts of force, torque and static equilibrium. Intended for students who do not have a strong background in problem solving and math skills, or have never taken physics courses before. Should not be taken with General Physics I Lab (PY 113). Prerequisite: MA 140 or equivalent

PY 106 Second Half of General Physics I 3 CR
Continuation of PY 105. Noncalculus-based course covering the second half of the material in the standard General Physics I (PY 111): energy, work, momentum, rotational motion, gravitation, fluid mechanics, temperature and thermal expansion. Intended for students who do not have a strong background in problem solving and math skills. Students who have completed this course may register for General Physics II (PY 112). Prerequisite: PY 105

†PY 111 General Physics I 3 CR
Noncalculus-based course covering the basic principles of mechanics (units, vectors, 1D and 2D motion, concepts of force, torque, static equilibrium, energy, work, momentum, rotational motion, and gravitation), fluid mechanics, temperature and thermal expansion. Students who do not have a strong background in problem solving and math skills have an option to take the 2semester sequence (PY 105 and PY 106), instead of PY 111. Prerequisite: MA 140 or equivalent

†PY 112 General Physics II 3 CR
Noncalculus-based course covering basic principles of thermodynamics, wave motion, sound, electricity, magnetism, light and geometrical optics. Prerequisite: PY 106 or PY 111

PY 113 Physics Laboratory I 1 CR
Fundamental training in physical measurements in mechanics (base physical quantities, vectors, acceleration of gravity, concepts of force, torque, static equilibrium, energy, momentum, rotational motion), and Archimedes’ principle. Corequisite: PY 106 or PY 111; PY 113 can also be taken after completion of PY 106 or PY 111

PY 114 Physics Laboratory II 1 CR
Fundamental training in physical measurements in specific heat, wave motion, sound, electricity, light and optical devices. Corequisite: PY 112; PY 114 can also be taken after completion of PY 112

†PY 151 Principles of Physics I 3 CR
Calculus-based course, covering basic principles of mechanics (units, vectors, 1D and 2D motion, concepts of force, torque, static equilibrium, energy, work, momentum, rotational motion, and gravitation), and fluid mechanics. Prerequisite: MA 152 or equivalent

†PY 152 Principles of Physics II 3 CR
Calculus-based course, covering basic principles of thermodynamics, wave motion, sound, electricity, magnetism, light and geometrical optics. Prerequisite: PY 151

PY 153 Physics Laboratory I 1 CR
Same as PY 113. Corequisite: PY 151; PY 153 can also be taken after completion of PY 151

PY 154 Physics Laboratory II 1 CR
Same as PY 114. Corequisite: PY 152; PY 154 can also be taken after completion of PY 152
The Political Science major seeks to awaken in students an appreciation and an understanding of politics and government in the broadest and deepest sense. It considers democratic governance the key to civilization, and ethics as central to democratic life.

Courses are offered in four major areas: American politics, comparative politics, international relations and political philosophy and theory. Classroom learning is enriched in a number of ways, including field trips to the state Capitol, Washington, D.C.; internships with legislators in the Connecticut General Assembly; Washington and district office internships with national legislators; election campaign and party organization internships; and internships with public administrators.

Students who major or minor in Political Science prepare themselves for careers in law, teaching, elective office, government service, many areas of business and not-for-profit management, international business, journalism, campaign management and other endeavors.

MAJOR IN POLITICAL SCIENCE

For students entering Sacred Heart University in the Academic Year 2003–2004, the major in Political Science requires the completion of 36 credits. A minimum of 27 credits must be earned through formal classroom instruction. The balance of credits can be earned through formal coursework or Political Science internships.

Required Courses

- PO 121 Introduction to American Government
- PO 122 Introduction to International Relations
- PO 200 Approaches to Political Science
- PO 300 Foundations of Political Thought
- PO 395 Senior Seminar in Political Science

Students are also required to take at least one course in Comparative Politics.

The remaining 18 credits in Political Science can be taken as electives

Comparative Politics

- PO 309 British Politics
- PO 310 Irish Politics
- PO 311 Comparative Western European Politics
- PO 312 Comparative Eastern European Politics
- PO 314 Middle East Politics
- PO 315 Latin American Politics
- PO 316 South Asian Politics

Political Philosophy and Theory

- PO 300 Foundations of Political Thought
- PO 303 Radical Political Thought
- PO 304 American Political Thought
- PO 305 Ethics and Politics: Profiles of Practicing Politicians
- PO 306 Liberalism
- PO 307 Conservatism

FACULTY

Lesley A. DeNardis, Ph.D.
Assistant Professor

Alka Jauhari, Ph.D.
Assistant Professor

Steven J. Michels, Ph.D.
Associate Professor

Gary L. Rose, Ph.D.
Professor, Chair
MINOR IN POLITICAL SCIENCE

The minor in Political Science requires the completion of the following 18 credits:

Required Courses

PO 121 Introduction to American Government
PO 122 Introduction to International Relations
One Political Theory elective
One Comparative Politics elective
Two Political Science electives

ASSOCIATE IN ARTS GENERAL STUDIES EMPHASIS

Requirements (15 credits)

PO 121 Introduction to American Government
PO 122 Introduction to International Relations
Three Political Science electives

COURSE DESCRIPTIONS

†POCC103 The Human Community: The Individual and Society 3 CR
This is the third of four courses in The Human Journey, the Common Core Curriculum at Sacred Heart University. The course explores questions regarding human meaning and value by specifically focusing on the social and political dimensions of the Core Questions. This course will include an analysis of the major political philosophers and their perspectives on the following: What does it mean to be human? What does it mean to live a life of meaning and purpose? What does it mean to forge a more just society for the common good? What does it mean to appreciate and understand the natural world? The course will also incorporate key thinkers from the Catholic Intellectual tradition as they approach the core questions.

†PO 121 Introduction to American Government 3 CR
Explores a variety of areas that collectively comprise the American political system. Examines the theoretical foundation of American government, the U.S. Constitution, political behavior, Congress, the presidency and the Supreme Court.

†PO 122 Introduction to International Relations 3 CR
Focuses on fundamental factors in understanding international relations. Sovereignty, nation-states, national interests, power, diplomacy, United Nations, war, terrorism, ethnicity and low-intensity warfare, the environment and global politics are studied.

†PO 200 Approaches to Political Science 3 CR
What is politics? And how best can we study it? This course examines how the study of politics has changed since Aristotle coined the term “political science” more than 2,000 years ago. Particular emphasis is on the development of political science as a discipline in the 20th century.

†PO 212 American State and Local Government 3 CR
Examines the subnational level of American politics. Topics include the constitutional position of state governments, federal-state interaction, financing of state governments, political parties, group activity and public policies. Prerequisite: PO 121

†PO 213 Lobbying and the Legislative Process 3 CR
Focuses on the central role of lobbyists and interest groups within the context of the lawmaking process. Lobbying strategies and linkages between lobbyists and lawmakers are explored. Guest speakers and trip to the state Capitol supplement class lectures.
†PO 215 Political Parties 3 CR
Focuses on the role of political parties in American democracy. Examines the structure and function of party organization, behavior of the American electorate and effectiveness of parties in the governing process. Platforms and categories of minor parties are also discussed. Prerequisite: PO 121

†PO 216 Congress and the Legislative Process 3 CR
Examines the constitutional powers of Congress, historical development, legislative process and relationship with executive branch of government. Prerequisite: PO 121

†PO 217 The American Presidency 3 CR
Traces the role of the chief executive in the American political system. Attention is given to the evolution, functions and limits of executive leadership, relationship with Congress, public opinion, and impact of individual presidents are explored. Prerequisite: PO 121

†PO 218 The Politics of Presidential Elections 3 CR
Explores the dimensions of presidential elections and controversial issues associated with the selection process. Topics include political coalitions, campaign strategy, the role of media and money, conventions and presidential debates. Prerequisite: PO 121

†PO 240 War and Conflict 3 CR
Topics include the causes of war, case studies of major wars, theories of instinctual aggression, psychological behavior, ethnicity, national interests, imperialism, economics, international systems and other topics.

†PO 242 International Organizations 3 CR
Focuses on the origin, evolution, structure and functions of regional and global intergovernmental and nongovernmental organizations. Special attention is given to the changing role of the post–Cold War United Nations.

†PO 243 Terrorism 3 CR
History and evolution of terrorism in its global, cultural, psychological, religious and secular contexts. Special focus on military, diplomatic, political and economic responses as nuclear, chemical, biological and cyberwarfare capabilities spread in the 21st century.

†PO 244 American Foreign Policy 3 CR
Examines themes of American foreign policy. Topics include containment, deterrence, détente, changing bases of national power, foreign policy development, terrorism, narcocriminality and environmental issues.

†PO 245 Foundations of Political Thought 3 CR
Examines essential thinkers in political science, including Aristotle, Machiavelli and Rousseau. Themes include human
nature, the structure and purpose of
government, justice and ethics, liberty
and rights, and the role of property.

†PO 303 Radical Political Thought 3 CR
Have the benefits promised by liberal
democracy been realized fully and by
all individuals equally? This course
focuses on those who claim to be
neglected, alienated or oppressed by
conventional politics and its institutions.

†PO 304 American Political Thought 3 CR
The Constitution of 1787 was based on
speculation and a series of untested
principles: it is possible for a territory
as large as the United States to be self-
governing; self-interest can be made to
serve the common good; and minority
rights can be protected in a system based
on majority rule. This course examines
documents related to the founding and
other readings that shape, question and
are inspired by political life in our country.

†PO 305 Ethics and Politics: Profiles
of Practicing Politicians 3 CR
Readings in ethics and the lives of
practicing politicians from George
Washington to the present that
reaffirm foundations of democratic
life, including virtue, integrity,
honor and trust. Class time includes
dialogue with public officials.

†PO 306 Liberalism 3 CR
Liberalism emerged in the 17th century to
advance individual liberty and a free and
open society against religious conformity
and ascribed status. This course examines
this radical change, how liberalism
itself has since changed, and the role
that liberalism plays in politics today.

†PO 307 Conservatism 3 CR
What conservatives have in common is
an unwavering reverence for history and
tradition. Consequently, what it means
to be a conservative is determined by
time and place. This course examines
many variants of conservatism,
including 18th-century Europe and
the contemporary United States.

†PO 308 Theories of Political
Economy 3 CR
Examines the foundation of and
challenges to market capitalism. The
role of political actors, shortcomings
of the market, and the trend toward
globalization are emphasized. Seminal
works of Adam Smith, Karl Marx and
other economic theorists are explored.

†PO 309 British Politics 3 CR
Examines the politics and
governing structures of Great
Britain as well as the contemporary
challenges of the 21st century.

†PO 310 Irish Politics 3 CR
Examines the politics and
governing structures of Ireland
as well as the contemporary
challenges of the 21st century.

†PO 311 The Politics of
European Integration 3 CR
Explores the political complexities
associated with the integration of
European nations. The structure
and function of European governing
institutions are examined and analyzed.

†PO 314 Middle East Politics 3 CR
Problems and prospects of the Middle
East. Area history, culture, Islam, intrusion
of the West, oil, impact of personalities,
Arab-Israeli problem, modernization and
Islamic fundamentalism are studied.

†PO 315 Latin American Politics 3 CR
An introduction to the political culture
and structures of Latin America.
Explores key themes and challenges for
the region, including democratization,
economic development, violence
and revolution, militarism and the
relationship with the United States.

†PO 316 South Asian Politics 3 CR
Explores the political cultures, religious
traditions, governing structures, key
personalities and political tensions
in several South Asian countries.

†PO 317 African Politics 3 CR
Study of African politics during colonial and postcolonial periods. Roots of political conflict, barriers to conflict resolution and relationship between African nations and the United States are explored.

†PO 318 Contemporary European Politics 3 CR
A comparative analysis of several European political systems. Similarities and differences are explored with respect to governing structures, political culture and patterns of political behavior.

†PO 319/PS 224 Political Psychology 3 CR
Themes and concepts related to the expanding field of political psychology. Topics include the impact of media, nationalism, extremism and security. The psychology of leadership is examined through case studies.

†PO 320 Modern Political Economy 3 CR
Examines free market and centralized approaches to economic development. Impact of approaches toward income distribution, welfare policy, health care and social security are explored through case studies.

†PO 321 Public Administration 3 CR
Survey of organizational theories and professional skills useful to those contemplating public sector service. Addresses public service context, planning, budgeting, communication, leadership and other skills.

†PO 322 American Public Policy 3 CR
Models of policy making. Examines government policies toward civil, gender and minority rights, crime, health, welfare, education, environment and other areas.

†PO 325 Politics, Law and Judicial Behavior 3 CR
Examines the judiciary’s role in the American political process. Topics include the nature of law, political influence in judicial decision making, court organization, judicial recruitment and the powers and limitations of the judiciary. Prerequisite: PO 121

†PO 330 Computer-Simulated Foreign Policy 3 CR
Simulations of international political systems. College students from the United States and around the world interactively conduct foreign policy of actual nations via the Internet.

†PO 341 International Law 3 CR
Traces the development of international law and reviews principles and cases in major topical areas.

†PO 351 Constitutional Law 3 CR
An inquiry into American constitutional law through the study of outstanding cases. Attention is given to the development of constitutional doctrines and the processes of legal reasoning. Prerequisite: PO 121

†PO 352 The First Amendment 3 CR
Examines U.S. Supreme Court cases involving the freedom of religion, speech, press, assembly and petition. Special attention is given to the balance between personal liberty and societal order. Prerequisite: PO 121

PO 391 Internship Program 3–6 CR
Congressional district staff, state Capitol or Washington, D.C., internships; election campaign and party organization internships; not-for-profit organization internships and others. Prerequisite: Permission of department chair

PO 395 Senior Seminar in Political Science 3 CR
Advanced study of a particular theme or topic in a seminar setting. Required capstone course for Political Science majors. Prerequisite: Senior standing or permission.

PO 399 Independent Study 1–3 CR
Guided study of a topic that goes
beyond normal course offerings under the direction of a member of the Political Science faculty. Approval of the chair of the Political Science program required. By special arrangement.

Psychology

The Psychology program provides its students with a basic foundation in the scientific study of human behavior. This background is of value to two groups of students: those who enter the employment market after completion of the Baccalaureate degree and those who further their education through graduate study and pursue a career in psychology or a related field.

The department offers courses on conducting experimental research, as well as providing internship opportunities and a wide range of elective courses covering many different areas of interest.

FACULTY

Rachel E. Bowman, Ph.D.
Associate Professor

Maureen A. Conard, Ph.D.
Associate Professor

Charles A. Foster, M.A.
Instructor

Ruth M. Grant, Ph.D.
Visiting Assistant Professor

Ronald Hamel, M.A.
Instructor

Kathryn M. LaFontana, Ph.D.
Associate Professor, Chair

William Mayer, Psy.D.
Lecturer

Dawn Melzer, Ph.D.,
Assistant Professor

Mindy Miserendino, Ph.D.
Associate Professor

Shirley Pavone, Ph.D.
Visiting Assistant Professor

Nina Tarner, Ph.D.
Assistant Professor

Christina J. Taylor, Ph.D.
Associate Professor

Amy Van Buren, Ph.D.
Associate Professor

Albert Wakin, M.S., CAGS
Instructor

Deirdre Yeater, Ph.D.
Assistant Professor

MAJOR IN PSYCHOLOGY

The major in Psychology requires the completion of 38 credits.

Required Courses

- PS 110 Introduction to Psychology
- PS 111 Thinking Critically about Psychological Science
- Three Psychology electives
- PS 301 Nonexperimental Research
- PS 302 Experimental Research (4 credits)
- PS 335 Human and Animal Learning
- PS 351 Brain and Behavior
- PS 380 Advanced Psychological Research (4 credits)
- PS 382 Systems and Theories of Psychology
- PS 396/397/398 Capstone Experience in Psychology (one course)
MINOR IN PSYCHOLOGY

The minor in Psychology requires the completion of the following 18 credits.

Required Courses for Minor

- PS 110 Introduction to Psychology
- PS 111 Thinking Critically about Psychological Science
- PS 382 Systems and Theories of Psychology
- Three Psychology electives

ASSOCIATE IN ARTS

GENERAL STUDIES

Emphasis Requirements - Psychology (15 credits)

- PS 110 Introduction to Psychology
- PS 111 Thinking Critically about Psychological Science
- Three Psychology electives

COURSE DESCRIPTIONS

†PSCC103 The Human Community: The Individual and Society 3 CR
This course is the third of four courses in Sacred Heart University’s Common Core Curriculum, The Human Journey. This course will address the four fundamental questions of human meaning and value that serve as the unifying frame for all the courses in The Human Journey. This particular course engages students in a study of the relationship between psychology – the science of human behavior and mental processes, and the Catholic intellectual tradition – which is characterized by rigorous intellectual inquiry and an openness to scientific ideas. This course aims to help us understand ourselves as human persons, as well as to understand the social and physical environments in which we live.

PS 110 Introduction to Psychology 3 CR
Introduction to psychology as the science of behavior, focusing on the physiological, cognitive, learning, sociocultural, and psychodynamic bases of behavior. Note: Students planning to major in Psychology must achieve a C+ or better in this course before moving on to PS 111.

PS 111 Thinking Critically about Psychological Science 3 CR
This course is designed to help students develop the critical thinking skills necessary to understand psychology as the science of human behavior. Note: Students must achieve a C+ or better in this course before moving on to any of the 300-level courses in Psychology. Prerequisite: C+ or better in PS 110

PS 211 Human Sexuality 3 CR
An in-depth analysis of issues relating to human sexuality, including historical perspectives and their significance, research evaluation, gender identity, communication, sexual response and sexual dysfunction and its treatment. Prerequisite: PS 110

PS 212 Abnormal Psychology 3 CR
Examines various mental disorders, such as schizophrenia, bipolar disorder, brain damage, retardation, sexual deviations. Prerequisite: PS 110

PS 215 Social Psychology: Interpersonal Factors 3 CR
Explores how people are affected by the persons around them. Topics include: person perception, first impressions, interpersonal attraction, nonverbal communication, romantic love, prejudice, stereotyping, aggression, conformity, obedience and environmental influences on behavior. Prerequisite: PS 110

PS 220 Drugs: Use and Abuse in Contemporary Society 3 CR
Examines the nature of drug use, legal and illegal, in contemporary society. Emphasis is on behavioral and physiological
effects of psychoactive substances, addictions, rehabilitation strategies and ethical issues. Prerequisite: PS 110

**PS 222 Sports Psychology 3 CR**
Provides information on and facilitates understanding of individual sport behavior. Emphasis is on the psychological constructs and concepts that relate to and help explain the phenomena of sports performance. Prerequisite: PS 110

**PS 224/PO 319 Political Psychology 3 CR**
Themes and concepts related to the expanding field of political psychology. Topics include the media, nationalism, extremism, and security. Psychology of leadership examined through case studies. Prerequisite: PS 110

**PS 233 Introduction to Clinical Psychology 3 CR**
Provides an understanding of basic principles and tools used in clinical practice to implement behavioral interventions. Students are expected to master some of the elemental principles of cognitive-behavioral therapy and to demonstrate the applicability of these principles to their own experience. Prerequisite: PS 110

**PS 241 Psychology of Personality 3 CR**
Explores scientific perspectives on personality including trait, biological, Freudian, neo-Freudian, social learning and humanistic. Prerequisite: PS 110

**PS 252 Child Development Psychology 3 CR**
Traces development from conception through childhood, including basic concepts and theories as applied to psychological processes of perception, cognition, social interactions, affective and moral development. Prerequisite: PS 110

**PS 255 Industrial and Organizational Psychology 3 CR**
Explores theories and methods involved in application of the psychological principles in work settings. Emphasis is on understanding theory, research, learning methods and techniques used in practice. Prerequisite: PS 110

**PS 256 Consumer Psychology 3 CR**
Examines psychological, social, and behavioral processes involved in consumer behavior, with a special emphasis on ethical issues. Prerequisite: PS 110

**PS 273 Adolescent Development 3 CR**
An in-depth study of developmental and behavioral issues in adolescence. Emphasis is on adjustment to adolescent roles, the search for self-identity, and healthy and unhealthy personality development. Prerequisite: PS 110

**PS 274 Adult Development 3 CR**
Considers various psychological issues and developmental tasks of adulthood and middle age, psychological characteristics of the elderly, and the psychology of death and dying. Prerequisite: PS 110

**PS 275 Psychology of Women 3 CR**
Surveys and examines current research and theories about women and gender. Topics include: gender-role stereotypes, attitudes toward women, gender-role socialization, women and work, sexuality, marriage, love and the biology of women. Prerequisite: PS 110

**PS 285 Psychological Counseling I 3 CR**
Deals with the fundamental principles of counseling, and involves the study of several different theoretical approaches, including client-centered and rational-emotive. Prerequisite: PS 110

**PS 286 Psychological Counseling II 3 CR**
Presents further dimensions of the helping relationship and the approaches of reality, cognitive and Gestalt therapy. Audiotapes of students’ counseling efforts are critiqued in class. Prerequisite: PS 285

**PS 295 Health Psychology 3 CR**
Focuses on the relationship between attitudes and personality factors and health. Emphasis is on stress
management and behavioral change methods for health improvement and maintenance. Prerequisite: PS 110

**PS 299 Special Topics in Psychology 3 CR**
Designates new or occasional courses that may or may not become part of the department's permanent offerings. Courses capitalize on a timely topic, a faculty member's particular interest, an experimental alternative to existing courses, etc. Prerequisites established by the department as appropriate for the specific course. Course title is shown on the student's transcript. Consult the current course schedule for available topics and current prerequisites.

**PS 301 Nonexperimental Research 3 CR**
Students learn how to do primary quantitative research in psychology and to apply basic statistical principles to data collected using the scientific method. Emphasis is on descriptive, correlational, and other nonexperimental designs. Prerequisites: PS 111 with a C+ or better, MA 131 plus one additional college-level mathematics course with an average of C+ or better across both mathematics courses with neither grade below C

**PS 302 Experimental Research 4 CR**
Students continue to learn how to do primary quantitative research in psychology and to apply basic statistical principles to data collected using the scientific method. Emphasis is on hypothesis testing in experimental and quasi-experimental designs, with special consideration given to the control of extraneous variables. Prerequisite: PS 301, with at least a C+

**PS 313 Abnormal Psychology in Film 3 CR**
Study of the diagnosis, causes, and treatment of the major psychological disorders through examination of their portrayal in popular films. Prerequisite: PS 111 with a C+ or better

**PS 331 Psychological Tests and Measurements 3 CR**
Examines principles, theories, applications, and ethics of psychological tests used for clinical, educational, industrial, or legal purposes. Specific tests and issues unique to their use and abuse are presented. Prerequisite: PS 111 with a C+ or better

**PS 335 Human and Animal Learning 3 CR**
Explores theories of learning from their historical origin to the present, and focuses on how these theories can be applied to the "real world." Students will gain insight into the factors that influence their own behavior, as well as the behavior of others. Prerequisite: PS 111 with a C+ or better or BI 111/113

**PS 350/BI 205 Essentials of Neuroscience 3 CR**
Introduces students to the field of neuroscience, which combines biology and psychology into a single area of study. Topics range from the cellular and molecular physiology of neurons to issues of human language, cognition, mental illness, and drug use. Prerequisites: PS 111 with a C+ or better or BI 111/113

**PS 351 Brain and Behavior 3 CR**
Examines the molecular and molar views of the nervous and endocrine systems and emphasizes the roles of these systems in behavior. Prerequisite: PS 111 with a C+ or better or BI 111/113

**PS 352 Hormones and Behavior 3 CR**
This course examines the hormonal mediation of various behaviors, including play, aggression, parenting and cognitive functioning. Prerequisite: PS 111 with a C+ or better or BI 111/113

**PS 353 Psychopharmacology 3 CR**
This course presents current data and theories in psychopharmacology and drug abuse research. Basic principles of pharmacology, neurotransmission and drug use are covered. Prerequisite: PS 111 with a C+ or better or BI 111/113
PS 380 Advanced Psychological Research 4 CR
Covers research techniques and literature in a particular area of psychology. Laboratory work is included. Prerequisite: PS 302 with a C+ or better

PS 382 Systems and Theories of Psychology 3 CR
An historical survey of theoretical formulations and systems in psychology. Evaluates structuralism, functionalism, behaviorism, Gestalt psychology, psychoanalysis and humanistic and cognitive orientation. Prerequisites: PS 111 with a C+ or better, Senior Psychology majors or minors or departmental permission

PS 389 Advanced Special Topics 3 CR
Designates new or occasional upper-level courses that may or may not become part of the department's permanent offerings. Courses capitalize on a timely topic, reflect a faculty member's particular interest, or offer an alternative to existing courses. Prerequisite: PS 111 with a C+ or better

PS 390–395 Psychological Research 1–6 CR
Research in the basic areas of scientific psychology performed under the supervision of participating faculty. By special arrangement with faculty member.

PS 396 Capstone: Psychology Internship 3 CR
A senior course which integrates theory and practice with supervised placement in agencies, schools and/or institutions. Seminars focus on career assessment, personal growth and work skills. Prerequisite: Senior Psychology major standing

PS 397 Capstone: Psychological Research 3 CR
A senior course in which students conduct research under the supervision of a faculty member. Course may involve a review and discussion of relevant literature in a seminar format and/or data collection in a laboratory setting. Intended for students who are planning to go to graduate school in Psychology. Prerequisite: Permission of department

PS 398 Capstone: Practicum Project 3 CR
A senior course in which students participate in a community service and/or research project to learn a set of practical skills and apply this knowledge to their other Psychology courses in a career-related setting. Prerequisite: Senior Psychology major standing

Note: The department may allow other courses to substitute for PS 396, PS 397, or PS 398, provided the course meets certain criteria and is approved by the chair.

Social Work

Social work is both a profession and a method of helping. As a profession, social work assists individuals, families, groups, organizations, and the community to meet their needs, solve problems, obtain resources, and achieve goals. As a method of helping, social work involves purposeful use of professional knowledge, skills, and values to facilitate development and change in individuals or larger systems.

The Baccalaureate Social Work Program employs a liberal arts perspective that provides students with analytical, conceptual, and interactional skills that allow them to identify client strengths and resources, to implement planned change, and to intervene in problem situations.

The major in Social Work prepares students for professional generalist social work practice at the beginning level and for graduate study. The baccalaureate degree program is accredited by the Council on Social Work Education.
MAJOR IN SOCIAL WORK

The major in Social Work requires the completion of 46 major credits, plus 18 – 19 credits of required supporting courses in Psychology, Biology, Political Science, and Sociology.

The student is required to maintain an overall GPA of 2.5 or higher and a GPA of 2.5 or higher in required major courses.

Required Courses

SW 101 Introduction to Social Work
SW 224 Cultural Competency
SW 265 Social Welfare as a Social Institution
SW 266 Social Welfare Policy and Services
SW 267 Human Behavior and the Social Environment I
SW 268 Human Behavior and the Social Environment II
SW 275 Social Work Practice I
SW 278 Junior Field Practicum
SW 279 Junior Field Practicum Seminar
SW 375 Social Work Practice II
SW 378 Senior Field Practicum I
SW 379 Senior Field Practicum Seminar I
SW 380 Senior Field Practicum II
SW 381 Senior Field Practicum Seminar II
SW 390 Research Methods for Social Work

Required Supporting Courses

PS 110 Introduction to Psychology
BI 010 The Nature of Life or BI 030 The Human Body
PO 121 Introduction to American Government
SO 110 Sociological Imagination
SO 215 Social Psychology: Macroprocesses Society
SO 254 Society and Economic Change

COURSE DESCRIPTIONS

SW 101 Introduction to Social Work 3 CR
Explores the profession of social work as a career choice. Focuses on generalist social work practice as a societal response to social problems with an orientation to professional knowledge, skills, values, and ethics. Prerequisite: SO 101 or SO 110

SW 140 Perspectives on Family Violence 3 CR
The effects and characteristics of family violence from the legal, medical, and social perspectives. Incidence and preconditions of child abuse, spousal abuse, and elder abuse are studied.

SW 224 Cultural Competency 3 CR
Provides students with a framework for understanding how diversity characterizes and shapes the human experience and is critical to the formation of identity.

SW 265 Social Welfare as a Social Institution 3 CR
An introduction to the social service delivery system and resources, the values and ethics inherent in policy, and the role of the social work profession. Includes a global perspective on comparative social welfare systems. Prerequisite: SW 101

SW 266 Social Welfare Policy and Services 3 CR
Examines how social policy is formulated and implemented with a focus on the inequalities and inequities in social welfare policy that express institutional
discrimination. Emphasizes the development of macropractice skills. Prerequisites: PO 121, SO 254, and SW 265

**SW 267 Human Behavior and the Social Environment I 3 CR**
Theories of human development with emphasis on stages of the life cycle; human diversity; and the biological, psychological, socioeconomic, spiritual, and cultural influences on development. Prerequisites: BI 010 or BI 030, PS 101 or PS 110, and SW 101

**SW 268 Human Behavior and the Social Environment II 3 CR**
A study of diverse family, group, community, and organizational systems and their impact on human development and behavior. Theoretical knowledge and assessment skills are emphasized. Prerequisite: SW 267

**SW 275 Social Work Practice I 3 CR**
Emphasizes the generalist model of social work practice, the use of systems theory, the strengths perspective, and professional values and skills to facilitate the planned change and problem-solving process. Prerequisites: Junior standing and SW 101

**SW 278 Junior Field Practicum 4 CR**
Internship for two days each week in a human service agency where students are professionally supervised in social work practice with clients and the community. Prerequisites: SW 265, SW 267, SW 275, and departmental evaluation for admission to Intermediate Major Status; Corequisite: SW 279

**SW 279 Junior Field Practicum Seminar 2 CR**
Taken concurrently with SW 278, this course facilitates, reinforces, and supports field-based learning. Emphasizes engagement, assessment, intervention planning, interviewing skills, and professional values and ethics. Corequisite: SW 278

**SW 299 Special Topics in Social Work 3 CR**
Designates new or occasional courses that may or may not become part of the program’s permanent offerings. Courses capitalize on a timely topic, a faculty member’s particular interest, an experimental alternative to existing courses, etc. Prerequisites established by the program as appropriate for the specific course. Course title is shown on the student’s transcript. Consult the current course schedule for available topics and current prerequisites.

**SW 375 Social Work Practice II 3 CR**
Examines intervention skills with families, groups, communities, and organizations using the planned change process. Introduces spirituality in social work practice. Prerequisite: SW 275

**SW 378 and 380 Senior Field Practicum I and II 4 CR each**
Professionally supervised Senior internship for two days each week. Integration of theory with practice and the development of appropriate skills and knowledge, along with professional identification, values, and attitudes. Prerequisites: SW 278 and SW 279, and evaluation for admission to Degree Candidacy status; Corequisites: SW 379 and SW 381

**SW 379 and SW 381 Senior Field Practicum Seminar I and II 2 CR each**
Emphasis is on professional development, the use of research methods to evaluate one’s own practice, and application of theory from the entire curriculum to professional practice. Corequisites: SW 378 and SW 380

**SW 390 Research Methods for Social Work 4 CR**
Development of research skills for evaluation and enhancement of social work practice. Emphasizes research designs, sampling, practice evaluation, program evaluation, measurement instruments, and basic statistics.
Prerequisite: Junior standing

Sociology

Sociology aims to describe and explain the social structures and dynamics central to social change and relationships within and between human societies. The purpose of the Sociology program at Sacred Heart University is to provide students with the opportunity to analyze and understand these structures and dynamics with particular attention to their implications for the quality of human life. The program fosters the development of critical and analytical skills needed to understand social phenomena and problems in a systematic and objective way. The program provides an excellent foundation for careers in professional sociology and social research, teaching, community service, human resources, journalism, public relations, public administration, government service, and law. The curriculum of the Sociology program includes courses in human cultural diversity, poverty and socioeconomic inequality, diversity and oppression, society and the environment, changing patterns of American family life, youth and contemporary society, changing human populations, health and health care, criminology, globalization, economic change, social psychology, sociological theory, and methods of social research. In addition, the curriculum emphasizes an applied approach to sociology that seeks to connect the study of social structure and dynamics and sociological theory and method to practical examples and contemporary problems and issues.

FACULTY

Stephen J. Lilley, Ph.D.
Associate Professor, Chair

Amanda Moras, Ph.D.
Assistant Professor

Gerald F. Reid, Ph.D.
Professor

MAJOR IN SOCIOLOGY

The major in Sociology requires the completion of 36 or 39 credits. There are three concentrations that students can choose from: General Sociology Concentration, Concentration for Elementary and Secondary Certification, and the Social Research Concentration. Students interested in any of the concentrations should consult their advisor before selecting courses.

Required Courses

- AN 110 Human Cultural Diversity
- SO 110 Sociological Imagination
- SO 372 Sociological Theory
- SO 373 Applications of Sociological Theory
- SO 382 Methods of Social Research
- SO 383 Applications of Social Research
- SO 398 Senior Seminar in Sociology
- Two Sociology electives (other than electives used toward concentration)

Additional Requirements for General Sociology Concentration: 9 credits

- SO 392 Sociology Internship
- Two courses from the following:
  - SO 201 Poverty and Inequality in the United States
  - SO 239 Diversity and Oppression in Contemporary Society
  - SO 258 Society and the Environment Anthropology elective

Additional Requirements for the Teaching Concentration: 9 credits

- Three courses from the following:
  - SO 216 Changing Families
SO 238 Youth and Contemporary Society  
SO 239 Diversity and Oppression in Contemporary Society  
Anthropology elective  

Additional Requirements for the Social Research Concentration: 12 credits  
SO 242 Statistics for Social Research  
(to be taken prior to SO 382)  
SO 392 Sociology Internship  

Two courses from the following:  
SO 240 Studying Changing Human Populations  
SO 254 Society and Economic Change  
AN 250 Doing Ethnography: Qualitative Research in the Social Sciences  

MINOR IN SOCIOLOGY  
The minor in Sociology requires the completion of the following 18 credits:  
AN 110 Human Cultural Diversity  
SO 110 Sociological Imagination  
Anthropology elective  
Three Sociology electives  

ASSOCIATE IN ARTS  
GENERAL STUDIES  

Emphasis Requirements (15 credits)  

Required Courses  
AN 110 Human Cultural Diversity  
SO 110 Sociological Imagination  
Three Sociology electives  

COURSE DESCRIPTIONS  

†SOCC103 The Human Community: The Individual and Society 3 CR  
This is the third of four courses in The Human Journey, Sacred Heart University’s Common Core Curriculum. As part of the University’s Common Core: The Human Journey, this course takes up the enduring questions of human existence: 1) What does it mean to be human? 2) What does it mean to live a life of meaning and purpose? 3) What does it mean to appreciate and understand the natural world? 4) What does it mean to forge a more just society for the common good? Investigations are primarily guided by insights from sociology about the social nature of human beings and the structure of societies while also including the contributions from the natural sciences and the Catholic intellectual tradition.  

†SO 110 Sociological Imagination 3 CR  
Students are taught how to investigate social issues as sociologists do — by tracing the troubles of men and women back to broader social forces and problems. The relevance of sociology is demonstrated through examples of applied sociology and through the students’ use of social theory and methods to address social problems.  

†SO 201 Poverty and Inequality in the United States 3 CR  
The aim of this course is for students to develop an understanding of the nature, causes, and consequences of poverty and socioeconomic inequality in the contemporary United States. These problems are examined from theoretical, descriptive, historical, and comparative perspectives. The intersection of the problems of poverty and inequality with gender, race, ethnicity, and political power are also examined. Students will have an opportunity to examine critically current public policies designed to deal with the problems of poverty and inequality in American society. Prerequisite: SO 110  

†SO 215 Social Psychology: Macroprocesses 3 CR  
Explores social and cultural forces that influence individual social interaction. Covers components of individual social behavior and interpersonal
social behavior. Prerequisite: SO 110

†SO 216 Changing Families 3 CR
Examines family in terms of structure, roles, and functions. Emphasis is on understanding: family life cycles; the shift in perspective about the family; the conflict between family values and individual values; the interplay between individual families and the larger society; and the flexibility and diversity of the family as an institution. Prerequisite: SO 110

†SO 220 The Graying of America 3 CR
The aging of the American population is the subject of this course. Emphasis is placed on the imminent retirement of the “baby boomers” and its impact on the structures of society and future generations. Prerequisite: SO 110

†SO 222 Sociology of Education 3 CR
This course focuses on education as a social institution and an agent of socialization. The formal organization of education, education and the family, education and social stratification, and education as a vehicle for examining and solving social problems are explored. Prerequisite: SO 110

†SO 234 Sociology of Health and Health Care 3 CR
Focuses on the social nature of illness in contemporary society, the changing health care system and the ethical issues raised by advances in medical technology. Prerequisite: SO 110

†SO 235 Criminology 3 CR
Analyzes criminal behavior, including a review of theories of crime causation, society’s efforts to cope with criminal behavior and the public perceptions of crime. Prerequisite: SO 110

†SO 237 Deviance and Social Control 3 CR
Explores the creation of deviance, the process of becoming deviant and society’s reactions to such issues as civil disorder, crime, mental illness, addiction and sexual deviance. Prerequisite: SO 110

†SO 238 Youth and Contemporary Society 3 CR
The course analyzes youth as a stage in life made both promising and problematic by contemporary social structure and culture. Attention is given to the origins and forms of youthful conformity and achievement as well as misconduct and crime, with an emphasis on how those issues differ by gender, social class, race/ethnicity, and variations in the organizations and social institutions that constitute the context of daily life for youth. Prerequisite: SO 110

†SO 239 Diversity and Oppression in Contemporary Society 3 CR
Emphasis is on human diversity. This course is designed to give students an understanding of the conditions that lead to minority emergence and the consequence of minority status; it fosters acceptance of diversity, cultural pluralism, and social change. Prerequisite: SO 110

SO 240 Studying Changing Human Populations 3 CR
This course (1) identifies what kinds of changes have been occurring in the size, composition, and geographic distribution of human populations at the local, national and global levels; (2) analyzes the impacts those changes have been exerting on social patterns; and (3) develops basic skills for studying those changes and impacts. Focuses on birth and fertility rates, death rates, migration rates, and changes in specific aspects of populations: size, age, sex ratio, socioeconomic status, and cultural heritage/identity. Prerequisite: SO 110

†SO 242 Statistics for Social Research 3 CR
This course shows how to use statistics for specific purposes in social research and how to interpret the results of statistical analysis. Attention is given to distributions, central tendency, dispersion, estimates, inference, hypothesis testing, statistical significance, measuring the presence, strength, and direction of relationships between variables, analysis of variance, chi-square
analysis, and correlation and regression analysis. SPSS is the Required Software. Prerequisites: SO 110 and C or better in MA 101 or higher level Mathematics course; to be taken prior to SO 382.

†SO 245 The Contemporary World Social System 3 CR
Emphasis is on the emerging regional subsystems of the world social system, and the consequences of this change on the processes of interaction among these subsystems and their interaction with the developing countries. Prerequisite: SO 110

†SO 254 Society and Economic Change 3 CR
Major socioeconomic developments in 21st-century capitalism (e.g., consumer culture, global labor market, media empires) are studied. The persistence of inequality and poverty, fragmentation of family and community, unhealthy constructions of self-image, and other social problems are explained in terms of these developments. Prerequisite: SO 110

SO 257 Technology, Culture and Society 3 CR
With the increasing saturation of biotechnology, cybertechnology, communication/media technology, etc., in the world, it is prudent to study the overall relationship of technology to culture and society and to consider the social impact of the next wave. While identifying serious problems and risks, the course also explores the proposition that technology can be shaped and guided to be a positive force. Prerequisite: SO 110

†SO 258 Society and the Environment 3 CR
This course (1) examines how human activities contribute to environmental problems, such as climate change, pollution, disappearance of natural habitat, decreasing biodiversity, diminishing natural resources, deforestation, erosion, and desertification, (2) analyzes the impact of environmental degradation on human populations and human societies; and (3) identifies those steps taken and yet to be taken to end degradation and restore environmental health. A project in which students take action in some group, organization, or community to make its impacts on the environment more positive is required. Prerequisite: SO 110

SO 259 Social Movements 3 CR
Social movements are a powerful form of collective action with the capacity to alter societies for the better (e.g., Civil Rights Movement) or worse (e.g., fascism). Utilizing a rich vein of social theory and social scientific studies, this course offers an in-depth analysis of these fascinating social phenomena. Prerequisite: SO 110

SO 263 Sexual Differentiation in Contemporary Society 3 CR
This course develops students’ gender awareness in order for them to realize that acceptance of males and females as equal human beings is an orientation that requires understanding of institutions and structures. Prerequisite: SO 110 SO 299

Special Topics in Sociology 3 CR
Detailed and comprehensive analysis of a sociological issue or problem of current interest. Specific topic is announced in the course schedule of any given semester. Prerequisite: SO 110

SO 372 Sociological Theory 3 CR
This sociological theory course gives students an understanding of the works of the major classical theorists whose ideas played a central role in the development of sociological theory and introduces students to the dominant contemporary perspectives in social thought. Emphasis is on developing the students’ knowledge of the range of thinking that exists concerning social issues, what the strengths and weaknesses of each position are, therefore, enabling them to work within any point of view. A seminar format is used, requiring students to do assigned readings before a topic is discussed in class since it is through class discussions
that ideas are analyzed, dissected, and critically assessed. Prerequisites: AN 110, SO 110, and two Sociology electives

**SO 373 Applications of Sociological Theory 3 CR**

Emphasis is on sociology as an applied discipline that provides scientific explanations of important social issues. Students review several existing sociological studies framed within the various theoretical approaches studied in the Sociological Theory (SO 372). Students are expected to identify the theoretical framework used by the researcher in each study; to explain the impact of the theoretical framework on the methodology used in the study; and to propose another theoretical framework that could have been used and its impact on the selection of a research method to study the social phenomenon covered in the study. This course helps students understand the relationship between theory and method and provides a critical foundation for the design and development of their Senior thesis. Prerequisites: SO 372, SO 382; Corequisite: SO 383

**SO 382 Methods of Social Research 3 CR**

Students learn how to design, conduct, and report the results of social research. Attention is given to: experimental and evaluation research, field research, unstructured exploratory interviewing, content analysis, analysis of published statistical data, survey research, conceptualization and operationalization of variables, analysis of data, the writing of research reports, and the logic of cause and effect in research. The course also includes learning how to use the Statistical Package for the Social Sciences (SPSS) software to analyze quantitative data. Prerequisites: AN 110, SO 110, and two Sociology electives

**SO 383 Applications of Social Research 3 CR**

This course involves additional exercises with the analysis of published statistical data, content analysis, survey research, sampling theory, the use of SPSS for quantitative data analysis, with emphasis on applications of multivariate analysis for the purpose of examining evidence for cause-and-effect relationships. Other topics include the relationship between theory and research; examining studies which researchers have used to test and/or refine sociological theories; learning how to use one's own research to test, refine, and develop sociological theories; and developing the ability to relate the findings of existing studies to one's own research questions. This course is a critical part of the foundation for the Senior Seminar in Sociology. Prerequisites: SO 382, SO 372; Corequisite: SO 373

**SO 392 Sociology Internship 3–6 CR**

The internship in Sociology offers an opportunity for qualified Sociology majors to gain practical experience in an area to which sociology applies. Internships are arranged in advance of the semester they are to be taken. Prerequisite: Permission of the instructor

**SO 398 Senior Seminar in Sociology 3 CR**

The capstone course in the Sociology major. Students write and defend a sociological thesis under the guidance of a faculty mentor. Prerequisites: SO 373 and SO 383, Senior Sociology major standing

**SO 399 Independent Study in Sociology 3 CR**

Designed for students interested in advanced study or in pursuing areas within Sociology for which no course is offered. By special arrangement. Prerequisite: Permission of Sociology faculty
Theology/Religious Studies

Throughout human history, religion has played an enormous role in shaping human actions and perceptions, as well as social institutions and values. The academic study of religion involves a sympathetic yet critical examination of the human attempt to answer the questions, “Who are we and why are we here?” It also allows us to understand better the complex world in which we live. The study of religion uses the methods of several disciplines, including theology, philosophy, history, psychology, sociology, anthropology, and literary criticism. The goals of the program are that students engage in critical dialogue with their own religious traditions and other traditions; understand these traditions in their complexity; and articulate coherent, religiously informed answers to basic questions of human meaning.

The Religious Studies major allows the student to explore numerous topics within the broad domain of religion, such as theology, Bible, ethics, world religions, myth, ritual, and issues of sexuality and gender in world religions. This major can easily combine with a second major and with any minor or concentration. A concentration in Catholic theology and minor in Catholic Studies are also offered.

FACULTY

Anthony J. Cernera, Ph.D.
Professor

Lois Grandt, Ph.D.
Lecturer

June-Ann Greeley, Ph.D.
Associate Professor

Richard M. Grigg, Ph.D.
Professor

Christel J. Manning, Ph.D.
Associate Professor

Brian Stiltner, Ph.D.
Associate Professor

MAJOR IN THEOLOGY AND RELIGIOUS STUDIES

The major in Religious Studies requires the completion of 33 credits.

Required Courses

RS 101 Introduction to the Study of Religion
10 Religious Studies electives selected in consultation with a department advisor

MINOR IN THEOLOGY AND RELIGIOUS STUDIES

The minor in Religious Studies requires the completion of 18 credits.

Required Courses for Minor

RS 101 Introduction to the Study of Religion
Five Religious Studies electives selected in consultation with a department advisor

ASSOCIATE IN ARTS GENERAL STUDIES

Emphasis Requirements (15 credits)

RS 101 Introduction to the Study of Religion
Four Religious Studies electives
CERTIFICATE IN CATHOLIC THEOLOGICAL STUDIES

The Certificate in Catholic Theological Studies is awarded to students who take Religious Studies 101, plus three more courses from a special list of Religious Studies and Philosophy courses, and who write a capstone paper in their fourth course. The goal is for students to make an in depth exploration of some of the issues studied in Roman Catholic fundamental, systematic, and moral theology. One of the courses selected fulfills the University-wide requirement to take one course in either Religious Studies or Philosophy beyond the 101s.

COURSE DESCRIPTIONS

†RSCC104 The Human Search for Truth, Justice, and the Common Good 3 CR
This course is the capstone course in Sacred Heart University’s Common Core sequence of study, The Human Journey. As the capstone, this course addresses the Core’s four fundamental questions of human meaning and value. This course will investigate the religious or philosophical understanding of the human condition as a theme running through the four stated questions. Students will study both classic and contemporary texts from a range of religious and some philosophical traditions, particularly the Catholic intellectual tradition. A vital component of the course will be students’ own responses to the four questions, especially as those responses evolve through the enrichment of the course material. As a capstone course, RSCC104 enables students to develop a personal, integrated set of answers to the common core questions through a range of modalities and media, including service projects, research papers, artistic productions, student “portfolios” of completed assignments for all four Core courses, and other similarly integrated and interdisciplinary work.

†RS 101 Introduction to the Study of Religion 3 CR
A critical and constructive study of the nature of religion, its functions in human life and its various forms and manifestations.

†RS 105 Foundations of the Catholic Intellectual Tradition 3 CR
A study of the major ideas of the Catholic Intellectual Tradition – such as the continuity of faith and reason, the sacramental imagination – through classical and contemporary texts. The course is interdisciplinary in nature and includes readings in theology, literature, the arts, and philosophy.

†RS 205 Ancient Religions and Cults 3 CR
Explores the beliefs, practices, and teachings of ancient world religions including those of ancient Egypt and Mesopotamia; the mystery cults of the ancient Greco-Roman civilizations, and the religious traditions of pre-Christian northern Europe (Scandinavia) and ancient Iran. The focus of study is on the sacred writings of the religions, with emphasis on such major topics as deities and divine powers, rituals of birth and death, gender studies, and the relationships between ancient faith traditions and the emergence of monotheism.

†RS 210 Modern Biblical Criticism and the Gospels 3 CR
An in-depth analysis of the development of modern biblical criticism and its impact on understanding the Gospels of the New Testament. Prerequisite: RS 101

†RS 211 Introduction to the Hebrew Bible/Old Testament 3 CR
Development of the major traditions of the Hebrew Bible. Authorship of these traditions, why they were written and what historical circumstances they were responding to. Prerequisite: RS 101

†RS 212 Christology 3 CR
Examines the theological interpretation of Jesus as the Christ in the history of the
Christian tradition. Prerequisite: RS 101

**†RS 213 Comparative Religion 3 CR**
Compared the central themes in the major religions of the world: Hinduism, Buddhism, Confucianism, Taoism, Judaism, Christianity and Islam. Prerequisite: RS 101

**†RS 214 Introduction to Eastern Religions 3 CR**
Explores history, beliefs and practices of Hinduism, Buddhism and other religions of India, China and Japan and the emergence of the contemporary New Age movement. Prerequisite: RS 101

**†RS 215 Introduction to Islam 3 CR**
A theological and phenomenological exploration of beliefs, practices, and symbology of Islam, incorporating extensive readings from the Qur’an, the hadith and shari’a, and Sufism. This course analyzes contemporary topics such as religion and gender, and religion and politics. Prerequisite: RS 101

**†RS 216 Celtic Religious Traditions 3 CR**
The course is concerned with the mythic history of Ireland, and “beginning” of the Irish, and the traditions by which the Irish have come to identify themselves and give meaning to their world. Students study the religious function of social institutions; gods, goddesses and ruling powers; holy places; feasting and sacrifice; spirits and ancestors; and the other world. The class also looks at the role of women in these traditions and what these traditions mean with regard to such issues as our own estrangement from the natural order. The continuation of “myth” in modern Ireland is also studied in this course. Prerequisite: RS 101

**†RS 217 Introduction to Western Religions 3 CR**
A theoretical and phenomenological exploration of the beliefs, history and practices of Judaism, Christianity, and Islam with particular emphasis on the sacred scriptures and spiritual traditions of each religion. Prerequisite: RS 101

**†RS 218 Cults, Sects and New Religious Movements 3 CR**
Explores beliefs and practices of new religions in America, including Mormonism, Unification Church, Christian Science, Scientology, Theosophy, New Age, Neopaganism and UFO cults. Presents both sociological and theological approaches to understanding new religions. Prerequisite: RS 101

**†RS 219 Women in World Religions 3 CR**
An analysis of women’s role in Christianity, Judaism, Hinduism, and Islam—both historical and contemporary—using theories and methods of gender study. Prerequisite: RS 101

**†RS 220 Women in Christianity 3 CR**
A theological, textual and gender-based examination of women in the history of Christianity, incorporating critical analysis of texts written about and by Christian women. Topics include the image of women and woman’s spirituality in the Bible, writings of the Church Fathers, mystics, sectarian movements, and the feminist reconstruction of tradition. Prerequisite: RS 101

**†RS 221 Women in Islam 3 CR**
This course examines the theological, anthropological and cultural encounter between women and Islam from an historical as well as contemporary perspective. Dismissing polemics, and grounding study on writings by and about Muslim women across the full scope of the Islamic world, the course will explore particularly how Muslim women have realized and their faith and engaged in patterns of religious practice.

**†RS 222 Women in American Religion 3 CR**
A critical analysis of women and religion within the context of American history and culture. This course examines religious writings/narratives by Native American women,
and American women in Christianity, Judaism, and Islam. The impact of race, class, history, and/or ethnicity upon religious experience is also explored in the writings of feminist, Womanist (African-American) and Mujerista (Latina) theologians. Prerequisite: RS 101

†RS 224 The Gospel of John 3 CR
A critical interpretation of the Gospel of John. Prerequisite: RS 101

†RS 226 The Letters of Paul 3 CR
Examines the social and religious world of St. Paul, his biography, his writings in the New Testament, and how these influenced the developing Christian church. Prerequisite: RS 101

†RS 229 The Historical Jesus 3 CR
Investigates what can be known of the historical Jesus through a proper methodological examination of the sources. Special emphasis is on the parables of Jesus. Prerequisite: RS 101

†RS 230 The Death of Jesus 3 CR
Traces the development of the traditions of the passion and death of Jesus as they are found in the gospels of Matthew, Mark, Luke and John. Prerequisite: RS 101

†RS 232 Contemporary Religious Thinkers 3 CR
Representative writings of a specific religious thinker. Focus is on the work of either an important theologian or a contemporary scholar of religion. Consult the course instructor for the topic. Prerequisite: RS 101

†RS 233 Religion and Ecology 3 CR
Examines how religion has shaped humanity's relationship with nature, and explores various religious and philosophical responses to contemporary ecological problems. Prerequisite: RS 101

†RS 235 Religion and Sexuality 3 CR
Examines the relationship between religion and sexuality in various world religions. Topics include asceticism vs. eroticism; defining normality and deviance; sex as a means to challenge or maintain the social order; religious responses to the changing sexual morality in contemporary Western society. Prerequisite: RS 101

†RS 236 Catherine and Teresa 3 CR
Catherine of Siena and Teresa of Avila have both been named as Doctors of the Roman Catholic Church, esteemed for enriching the life of the Church with their distinctive charisms, their theological writings, and their spiritual gifts. The course will explore the significant contributions of both women, contextualizing them and their writings within their respective historical and religious milieus: Catherine (+1380), in 14th century Italy and Teresa (+1582) in 16th century Spain. The course will also examine Dominican (Catherine) and Carmelite (Teresa) spirituality.

†RS 238 Spiritual Teachers and Thinkers 3 CR
Explores the representative spiritual writings of a specific religious teacher from the history of the world's religions. Examples of such spiritual teachers include Hildegard of Bingen, Meister Eckhart, George Fox, Teresa of Avila, Ibn al'Arabi, and Martin Buber. Consult instructor for relevant topic. Prerequisite: RS 101

†RS 239 Catholic Church Music 3 CR
Examines the significance of the music used in the Catholic Church's historical and present liturgical traditions. The technical construction of the music and biographical details of composers and musicians are studied. Prerequisite: RS 101

†RS 240 Understanding Theology 3 CR
An introduction to the nature and role of theology. Investigates both academic, or “public,” theology and confessional, or “church-centered,” theology. Prerequisite: RS 101
†RS 242 Medieval Theology 3 CR
A critical examination of central doctrines of Christianity, Judaism, and Islam as they developed during the Middle Ages. This course analyzes particular modalities of theological expression such as mysticism, sacred art/architecture, and women’s visionary writings. Prerequisite: RS 101

†RS 243 Early Christian Thought 3 CR
Traces the course of the Church’s historical and dogmatic traditions from the New Testament period to the Middle Ages. Prerequisite: RS 101

†RS 244 Christian-Jewish Understanding 3 CR
Examines the historical and theological relationship between Judaism and Christianity beginning at the time of Jesus, which resulted in the separation of and misunderstanding between Christians and Jews through the Patristic period, Renaissance, Middle Ages, until the present time. Particular attention is paid to the recent positive studies in interreligious understanding advanced by the Second Vatican Council. Prerequisite: RS 101

†RS 245 Contemporary Roman Catholic Thought 3 CR
Various thinkers and movements that have shaped contemporary Roman Catholic life and thought, including Karl Rahner, the Second Vatican Council and liberation theology. Prerequisite: RS 101

†RS 255 History of Christian Ethics 3 CR
The ethical reflections of some of the most influential Christian thinkers from the Church Fathers to the present (e.g., Augustine, Thomas Aquinas and Martin Luther) applied to various important topics of ethical debate in Christian history (e.g., the notion of just war). Prerequisite: RS 101

†RS 257 Contemporary Moral Issues 3 CR
A religious-ethical examination of moral issues that involve a significant conflict of values in contemporary society, such as economic inequality, racism, violence, sexual ethics and bioethics. Service learning may be required in some sections. Prerequisite: RS 101

†RS 259 Faith and Justice 3 CR
Explores the content, sources, and methods of Catholic social ethics and investigates its relevance to social-ethical problems in both the United States and the global community. Service learning may be required.

†RS 260 Bioethics: Religious Approaches 3 CR
Introduces students to the methods and principles of biomedical ethics, and explores several ethical issues in medical practice and health care policy. The theoretical frameworks employed include religious-ethical perspectives in Christianity and some other religious traditions, as well as philosophical and social critiques and proposals. Major topics covered include euthanasia, reproductive technologies, human cloning, consent for experimentation and allocation of health care resources.

†RS 261 Symbol, Myth and Ritual 3 CR
Notions of symbol, myth and ritual, as well as an introduction to the use of symbols, myths and rituals in a wide variety of religious traditions. Prerequisite: RS 101

†RS 262 Human Rights 3 CR
Investigates philosophical and religious theories of human rights, the modern history of rights, and ways to implement a human rights agenda.

†RS 267 Mysticism 3 CR
This course introduces the student to the dimension of spirituality known as mysticism, through readings in and critical analysis of mystical texts of the world’s religions, including Tao te Ching, the Hindu Upanishads, Zohar and other Kabbalistic texts, the poets of Sufism, and Christian mystics from the history of Christianity. Prerequisite: RS 101
†RS 268 Classics of Western Spirituality 3 CR
Great spiritual masters of the Western religious traditions (e.g., John of the Cross, Theresa of Avila, Ignatius Loyola, Teilhard de Chardin, Martin Buber and Thomas Merton). Prerequisite: RS 101

†RS 275 Death and Dying in the World Religions 3 CR
All religious traditions at all times have regarded the process of dying and the subsequent fact of bodily death as significant events and as natural but also sacred states of being that impart to earthly life its deepest meaning and value. This course is the opportunity to explore, examine, and analyze the beliefs about and practices developed around human dying, death, and any subsequent conditions of existence, that religious traditions, across historical time and geographical space, have promulgated.

†RS 277 Pilgrimage and Spiritual Journeys 3 CR
Introduces the religious ritual activity of pilgrimage, a spiritually inspired journey in time and over space. The concept is studied in several religions and from several methodological angles that occur in many religious traditions. Prerequisite: RS 101

†RS 278 Religion in America 3 CR
Examines the historical factors responsible for distinctive trends in American religion and identifies common threads that run through the religious history of America from the Puritans to today. Prerequisite: RS 101

†RS 281 Religion, Health and Healing 3 CR
Explores theories and practices of healing in Eastern, Western and Primal religions. Examines research on connections between religion and health and efficacy of alternative and spiritual therapies. Prerequisite: RS 101

†RS 289 Religion, War and Peace 3 CR
An examination of ethical attitudes toward war and peace embraced by Christianity and other religions. Prerequisite: RS 101

†RS 291 Religious Themes in Contemporary Fiction 3 CR
Explores the religious dimensions in the fiction of writers such as Cynthia Ozick, John Cheever, Toni Morrison and Italo Calvino. Prerequisite: RS 101

†RS 299 Special Topics in Religion 3 CR
Designates new or occasional courses that may or may not become part of the department’s permanent offerings. Courses capitalize on a timely topic, a faculty member’s particular interest, an experimental alternative to existing courses, etc. Prerequisites established by the department as appropriate for the specific course. Course title is shown on the student’s transcript. Consult the current course schedule for available topics and current prerequisites.

†RS 301 The Church: Roman Catholic Perspectives 3 CR
An investigation of Catholic thinking and teaching about the nature of the Church. Prerequisite: RS 101

†RS 302 The Roman Catholic Sacraments 3 CR
Explores the history of the sacraments, the theology behind them and their role in contemporary Catholic life. Prerequisite: RS 101

RS 399 Independent Study 1–3 CR
An area of study for which no course is presently provided. The student must find an instructor competent in his/her proposed topic and secure the permission of the chairperson and the dean. Prerequisite: RS 101