

# Undergraduate Catalog

---

Volume 2021 2021-2022

Article 10

---

7-1-2021

## Majors and Minors

Saint Mary's College of California

Follow this and additional works at: <https://digitalcommons.stmarys-ca.edu/undergraduate-catalog>

---

### Recommended Citation

Saint Mary's College of California (2021) "Majors and Minors," *Undergraduate Catalog*: Vol. 2021, Article 10.

Available at: <https://digitalcommons.stmarys-ca.edu/undergraduate-catalog/vol2021/iss1/10>

This Curriculum is brought to you for free and open access by Saint Mary's Digital Commons. It has been accepted for inclusion in Undergraduate Catalog by an authorized editor of Saint Mary's Digital Commons. For more information, please contact [digitalcommons@stmarys-ca.edu](mailto:digitalcommons@stmarys-ca.edu).

## **Majors and Minors**

### **Accounting**

While confirming the discipline's technical content, the Department of Accounting also endeavors to present accounting as a liberal discipline. When discussing accounting rules and standards, the emphasis is given to fundamental underlying principles and the conceptual framework of the discipline. In explaining complex standards, the faculty consider the economic consequences of accounting rules and pronouncements. In all accounting courses, professors seek to strengthen students' skills of analysis, synthesis, and oral and written communication. In order to meet the 150-hour educational requirement set by California law, the department offers a Master of Science (MS) in Accounting degree program.

### **Faculty**

**Cathy Finger, PhD**, *Associate Professor*  
**Kevin McGarry, PhD**, *Associate Professor*  
**June Woo Park, PhD**, *Assistant Professor*  
**Andreas Simon, PhD, CPA**, *Associate Professor*

**Sankaran Venkateswar, PhD, CPA, CMA, Professor, Chair, Undergraduate Accounting Program Director,  
Graduate Accounting Program Director**

## Program Learning Outcomes

- *Graduates will be knowledgeable entry-level accountants.*
- *Graduates will demonstrate an awareness of ethical issues.*
- *Graduates will be effective communicators.*

## Internships

Students who want to combine study with practical experience in accounting should contact the program director and the SEBA internship coordinator in advance for information on a variety of opportunities available in both the private and public sectors. Academic course credit for internships may be available through enrollment in the Accounting Internship (ACCTG 195) course.

## Prerequisite Grade

*Any course listed in this department with a prerequisite requires a grade of C- or better in the prerequisite course.*

## Accounting, BS

### Lower Division

- ACCTG 001 - Financial Accounting
- ACCTG 002 - Managerial Accounting
- ECON 003 - Principles of Microeconomics
- ECON 004 - Principles of Macroeconomics
  
- MATH 004 - Introduction to Probability and Statistics  
OR
- DATA 040 - Business Statistics

### Upper Division

### Business Core

- BUSAD 120 - Business Law
- BUSAD 123 - Financial Management
- BUSAD 124 - Marketing
- BUSAD 131 - Managing and Leading in Organizations
- BUSAD 132 - Global Operations Management
- BUSAD 181 - Business Ethics and Social Responsibility

## Accounting Major

- ACCTG 127 - Accounting Communication
- ACCTG 160 - Intermediate Accounting 1
- ACCTG 161 - Intermediate Accounting 2
- ACCTG 162 - Intermediate Accounting 3
- ACCTG 164 - Auditing
- ACCTG 168 - Tax Accounting
- ACCTG 191 - Accounting Analytics

### Note

Students may not transfer more than two upper-division accounting courses from another institution for credit in the accounting major (or minor). Transfer credits must be approved by the program director.

## Accounting Minor

### Minor Requirements

A student may earn only one minor in the School of Economics and Business Administration. The requirements for a minor in accounting are:

- ACCTG 001 - Financial Accounting
- ACCTG 002 - Managerial Accounting
- ECON 003 - Principles of Microeconomics
- ECON 004 - Principles of Macroeconomics
- ACCTG 160 - Intermediate Accounting 1
- ACCTG 161 - Intermediate Accounting 2
- ACCTG 162 - Intermediate Accounting 3

**AND one additional upper-division accounting course selected from:**

- ACCTG 164 - Auditing
- ACCTG 168 - Tax Accounting
- ACCTG 191 - Accounting Analytics

## Health Science

The School of Science offers an interdisciplinary major in health science. This program provides a strong foundation in natural science and human biology. The Health Science major prepares students to pursue graduate programs in physical therapy, physician assistant, nursing, occupational therapy, public health, and other health careers that require a science background and have a service orientation (listed below). The student must meet with the Health Science Advisor on admission to the College to design a course of study that will meet their individual needs and interests.

The Health Science major is consistent with the mission of the College to offer students a diverse liberal arts curriculum that is enhanced by an area of study-in this case the biological, biochemical, chemical, psychological, and physical sciences. The courses that fulfill the Health Science major allow students to acquire scientific knowledge,

integrate that knowledge among different fields of science, and apply it in the professional environment. Finally, the Health Science major facilitates education of a community of students with common goals to enhance the health and well-being of their communities through a variety of health service-oriented professions.

## Learning Outcomes

1. **DEMONSTRATE** competence in the scientific principles of human health in all four major areas of Health Science: biology, chemistry, psychology, and kinesiology including knowledge of human anatomy and physiology and its relevance to human health;
2. **UNDERSTAND** and practice scientific inquiry through observation and/or experimentation including logic of experimentation, data analysis and ethical implications;
3. **ANALYZE**, interpret, integrate and evaluate scientific literature with the ability to communicate findings in a written format;
4. **GAIN** exposure to professional environments where philosophical and theoretical principles are applied while demonstrating an understanding and respect for the value of individuals, communities, and perspectives of difference.

## Career Paths

See career paths below and electives need to complete prerequisites for various degree programs:

- **Physical Therapy** (take PHYSI 010 & PHYSI 011 and PSYCH 140, PSYCH 152, & PSYCH 160)
- **Occupational Therapy** (take PSYCH 140, PSYCH 152, & PSYCH 160)
- **Physician Assistant** (take PHYSI 010 & PHYSI 011, CHEM 104 & CHEM 106, BIOL 105, BIOL 130, and Anthropology/Sociology)
- **Nursing** (take HS 131, BIOL 105, BIOL 130, and COMM 112 - also note that a 1-year Accelerated Bachelor's of Science in Nursing Degree is required after SMC graduation)
- **Optometry** (take PHYSI 010 & PHYSI 011, CHEM 104 & CHEM 106, BIOL 105, BIOL 130, BIOL 135, BIOL 139)
- **Pharmacy** (take PHYSI 010 & PHYSI 011, CHEM 104 & CHEM 106, BIOL 105, BIOL 130, BIOL 135)
- **Medical and Clinical Lab Tech** (take PHYSI 010 & PHYSI 011 and CHEM 104 & CHEM 106)
- **Sonography** (take PHYSI 010 & PHYSI 011)
- **Nutrition** (take PHYSI 010 & PHYSI 011 and CHEM 104 & CHEM 106)
- **Dietetics** (take CHEM 104 & CHEM 106, BIOL 105, BIOL 130, BIOL 135, HS 131)
- **Genetic Counseling** (take CHEM 104 & CHEM 106)
- **Radiologic Technology** (take COMM 112, PHYSI 010 & PHYSI 011, and Medical Terminology off campus)
- **Nuclear Medicine** (take COMM 112, PHYSI 010 & PHYSI 011, and Medical Terminology off campus)
- **Medical Assisting** (take PHYSI 010 & PHYSI 011 and CHEM 104 & CHEM 106)

- **Public Health**
- **Health Administration**

## Major Requirements

The Health Science major comprises 16 lower- and upper-division courses, many with corresponding laboratories, detailed below. To officially declare an Health Science major, students must have completed CHEM 008 & CHEM 009 with a C- or better. In order to finish a Health Science major within four years, it is essential that students complete CHEM 010 & CHEM 011 prior to the beginning of their sophomore year.

## Health Science, BS

### Lower Division

- CHEM 008 - General Chemistry I
- CHEM 009 - General Chemistry Lab I
- CHEM 010 - General Chemistry II
- CHEM 011 - General Chemistry Lab II
- MATH 027 - Calculus I
- MATH 004 - Introduction to Probability and Statistics (may take MATH 028 or MATH 038 instead of MATH 004)
- BIOL 001 - Introduction to Cell Biology, Molecular Biology and Biochemistry
- BIOL 002 - Introductory Biology for Majors: Organisms and Evolution
- BIOL 015 - Human Anatomy
- BIOL 016 - Human Anatomy Laboratory
- BIOL 025 - Human Physiology AND
- BIOL 026 - Human Physiology Laboratory
- OR
- BIOL 127 - Systemic Physiology (has a two semester organic chemistry prerequisite)
- PSYCH 001 - Introduction to Psychology

### Upper Division

In addition, a minimum of six upper-division courses is to be taken from biology, psychology, kinesiology (at least one from each department), and chemistry (optional). At least two upper division courses must have a laboratory component. The selection of upper-division courses for this major is done in consultation with the Allied Health Advisor. Finally, HS 133/131, will be taken which fulfills the Writing in the Discipline requirement of the major. A total of 17 upper-division courses are to be completed by graduation.

## Anthropology

Anthropology studies human life in a comparative, cross-cultural, holistic, global perspective, and is the only social science to do so. The discipline traditionally has been divided into four subfields: cultural and social anthropology (the comparative study of the range and variability of cultures), archaeology (the study of the human past through material

artifacts), linguistics (the origin and development of languages and their use in social contexts), and physical or biological anthropology (encompassing primatology and human evolution). Although we are a small department, we are able to offer a four-field approach and also include applied anthropology courses.

Anthropology is distinct in its insistence that the foundations for theorizing and the comparison of cultures be based on firsthand ethnographic fieldwork. Current faculty in the department have conducted fieldwork in China, the Philippines, Hawai'i, American Samoa, Colombia, Ecuador, Peru, Bolivia, Italy, and the Napa Valley, Calif. Faculty have also led January Term study trips to China, Hawai'i, the Cook Islands, Ecuador, Guatemala, Las Vegas, Nev., and San Francisco, Calif.

From its beginning as an academic discipline in the United States in the late 19th century, anthropology has argued for the fundamental physical and psychic unity of humankind and against theories of eugenics and racial inequality. Besides its academic foci, a major emphasis of anthropology is its application in such fields as business, education, medicine, law, human rights, international development, and conflict resolution. Most of our graduates enter the working world, but some join organizations such as the Peace Corps or Lasallian Volunteers, and a smaller number go on to graduate or professional schools. Our curriculum prepares all students broadly to be literate, informed, questioning, ethical and socially-aware citizens.

We offer additional academic preparation in the form of presentation of academic papers at the Santa Clara University undergraduate social science student research conference, independent study, National Science Foundation Research Opportunities for Undergraduates mentoring, grants for participation in summer field schools, field placement at local social service organizations and an honors thesis for students intending to continue their formal education. (These opportunities are open to all our students, but we encourage them for students applying to graduate and professional schools.) All students are strongly encouraged to do an internship, learn a foreign language, and to study abroad.

**Students also can take advantage of a course exchange program to enroll in Anthropology and Archaeology courses at The University of California, Berkeley and California State University East Bay.**

## Faculty

**Dana R. Herrera, PhD, Professor, Chair**

**Anna Corwin, PhD, Associate Professor**

**Jennifer Heung, PhD, Professor**

**Paola Sensi-Isolani, PhD, Professor Emerita**

**Cynthia Van Gilder, PhD, Professor**

## Learning Outcomes

*When students have completed the anthropology program they will be able to:*

- **APPRECIATE** the great diversity of human cultures and the interrelatedness of economic, socio-political and religious systems.
- **APPROACH** cultural diversity with thoughtfulness and sensitivity.
- **EXAMINE** their lives in social and cultural contexts and assess how their lives are affected by the specific time and place in which they live.
- **UNDERSTAND** anthropological theory and methods and how they are applicable in and beyond academia.
- **EMPLOY** critical reading, writing and thinking skills that will allow them to understand and contribute to an increasingly complex, multicultural and interdependent world.
- **EXPRESS** themselves with confidence and clarity in both oral and written communication. This includes an understanding of the difference between primary and secondary sources and how to properly cite and reference those sources.

# Major Requirements

The anthropology major comprises 12.50 lower- and upper-division courses. Students are exposed to all four of the traditional subdisciplines of anthropology while having the choice of majoring in anthropology; anthropology with an archaeology concentration; or anthropology with an applied anthropology concentration.

A grade of C- or higher is required for coursework to count toward the major or minor.

*Note: Courses are offered on a rotating basis unless otherwise noted.*

## Anthropology, BA

### Required Lower Division Courses

- ANTH 001 - Introduction to Social and Cultural Anthropology
- ANTH 005 - Introduction to Archaeology
- ANTH 007 - Biological Anthropology
- ANTH 007-L - Biological Anthropology Lab
- ANTH 010 - Introduction to Anthropological Methods (.25 lab, taken twice)

### Required Upper Division Courses

- ANTH 100 - Principles of Anthropology
- ANTH 105 - Linguistic Anthropology
- ANTH 130 - Anthropological Theory
  
- ANTH 121 - World Cultures  
OR
- ANTH 131 - Cultural Geography
  
- Five (5) Electives

## Anthropology, Archaeology Concentration, BA

### Required Lower-Division Courses

- ANTH 001 - Introduction to Social and Cultural Anthropology
- ANTH 005 - Introduction to Archaeology
- ANTH 007 - Biological Anthropology
- ANTH 007-L - Biological Anthropology Lab
- ANTH 011 - Introduction to Archaeological Methods (.25 lab, taken twice)

### Required Upper-Division Courses

- ANTH 100 - Principles of Anthropology



- ANTH 105 - Linguistic Anthropology
- ANTH 121 - World Cultures  
OR
- ANTH 131 - Cultural Geography
- ANTH 127 - Topics in Archaeology
- ANTH 129 - Ancient Civilizations
- ANTH 130 - Anthropological Theory
- Three (3) electives

## **Anthropology Minor**

### **Required Lower-Division Courses**

- ANTH 001 - Introduction to Social and Cultural Anthropology
- ANTH 005 - Introduction to Archaeology  
OR
- ANTH 007 - Biological Anthropology
- ANTH 010 - Introduction to Anthropological Methods (.25 lab, taken once)

### **Required Upper-Division Courses**

- ANTH 100 - Principles of Anthropology
- ANTH 121 - World Cultures  
OR
- ANTH 131 - Cultural Geography
- Two (2) Electives

## **Archaeology Minor**

### **Required Lower-Division Courses**

- ANTH 001 - Introduction to Social and Cultural Anthropology
- ANTH 005 - Introduction to Archaeology AND
- ANTH 011 - Introduction to Archaeological Methods (.25 lab, taken once)

### **Required Upper-Division Courses**

- ANTH 100 - Principles of Anthropology
- ANTH 121 - World Cultures

OR

- ANTH 131 - Cultural Geography
- ANTH 127 - Topics in Archaeology
- ANTH 129 - Ancient Civilizations
- One elective

## **Anthropology, Applied Anthropology Concentration, BA**

### **Required Lower Division Courses**

- ANTH 001 - Introduction to Social and Cultural Anthropology
- ANTH 005 - Introduction to Archaeology
- ANTH 007 - Biological Anthropology
- ANTH 007-L - Biological Anthropology Lab
- ANTH 010 - Introduction to Anthropological Methods (.25 lab, taken twice)

### **Required Upper Division Courses**

- ANTH 100 - Principles of Anthropology
- ANTH 105 - Linguistic Anthropology
- ANTH 121 - World Cultures
- OR
- ANTH 131 - Cultural Geography
- ANTH 136 - Applied Anthropology
- ANTH 195 - Special Study Internship
- ANTH 130 - Anthropological Theory
- Three (3) Electives

## **Applied Anthropology Minor**

### **Required Lower Division Courses**

- ANTH 001 - Introduction to Social and Cultural Anthropology
- ANTH 005 - Introduction to Archaeology
- OR
- ANTH 007 - Biological Anthropology
- ANTH 010 - Introduction to Anthropological Methods (.25 lab, taken once)

### **Required Upper Division Courses**

- ANTH 100 - Principles of Anthropology

- ANTH 136 - Applied Anthropology
- ANTH 195 - Special Study Internship
- One (1) Elective

## Art & Art History

The Department of Art and Art History is an innovative, laboratory program focused on the practice, history, and theory of art. Courses in a variety of artistic mediums, theoretical frameworks, and historical periods inspire students to analyze, interpret, and create art in context. Students thus learn to consider art objects and practices in relation to political, psychological, religious, aesthetic, and technological formations in society. The department faculty members encourage students to embrace the liberal arts tradition with respect to critical thinking, self-discovery and personal expression, while the College's Catholic and Lasallian traditions help to deepen and broaden the student's engagement with art. Our courses also encourage the development of practical skills enhanced through internships in galleries, museums, art centers, auction houses and more.

The department currently offers three Bachelor of Arts majors: Art Practice, the History of Art, and Art Theory and Criticism.

The coursework in Art Practice ranges in approach from traditional studio work to digital, new media and other contemporary practices. The department's instruction in art practice integrates technical fundamentals and conceptualization, creative experimentation and critical thinking, personal expression and social responsibility. Students learn to engage in discussion and group-critiques as part of their professional preparation and as an integral way of participating in and benefiting from a community of shared inquiry. The coursework in History of Art, presented alongside courses in archeology, anthropology, religious studies and world languages and presents the rich tradition of art. The coursework in Art Theory and Criticism emphasizes conceptualization in modern and contemporary art practices, the asking of foundational questions about the nature and function of art in relation to human subjectivity and society, and the endeavor to link the aims of art to concerns in other disciplines.

The three departmental majors undertake an inclusive series of lower-division courses in the history, practice, theory and criticism of art. These courses are intended to give a general overview of the variety and breadth of artistic media and practices. Students in each major pursue particular emphases in their upper-division studies.

A degree from the Department of Art and Art History provides alumni with an appreciation of visual art as a way of knowing. Through personalized advising, the department prepares students to further their studies at the graduate level in curatorial studies, studio art, history of art, digital filmmaking, graphic design, critical theory, art criticism, and other related fields.

Acknowledging the importance of direct contact with diverse artistic practices, students in each major are encouraged to study abroad through the college's many art-focused travel programs. Students are provided with academic internships at museums, auction houses, artists' studios and galleries that prepare them for employment in art-related fields upon graduation.

The Art and Art History Department offers a merit-based scholarship by application for incoming Saint Mary's students. This scholarship is designed for prospective students with leadership potential who wish to pursue studies in studio or video art production. Application guidelines are available on the department website.

## Art Practice Faculty

**Peter Freund, PhD**, *Professor Emeritus, Digital Media, Experimental Film/Video, Art Theory*

**Andrew Mount, EdD**, *Assistant Professor, Studio, Printmaking, Gallery Team*

**Lydia Greer, MFA**, *Visiting Professor, Digital Media, Experimental Film/Video, Animation*

# History of Art Faculty

**Costanza Dopfel, PhD**, *Professor and Chair, History of Art, World Languages & Cultures, Medieval, Renaissance and Baroque Art*

**Hossein Khosrowjahi, PhD**, *Visiting Professor, History of non-Western Art, Film, Theory and Criticism*

**Anna Novakov, PhD**, *Professor Emerita*

## Affiliated History of Art Faculty

**Thomas Poundstone, PhD**, *Theology and Religious Studies, Christian Art and Baroque Art*

**Cynthia Van Gilder, PhD**, *Anthropology, Archeology and Art of the Pacific and the Americas*

## Art Practice Learning Outcomes

*When they have completed the program of study with an art practice emphasis students should be able to:*

- **MOUNT** a cohesive exhibition of their artwork and produce a comprehensive thesis document discussing the ideas, techniques and influences in their artwork.
- **DEMONSTRATE** an understanding of and facility for the use and application of several different media, especially that of their preferred medium.
- **ARTICULATE** their artwork's content and intention and visually manifest those ideas.
- **DEVELOP** an ability for objective self-critique and demonstrate an understanding of their own place within a larger art historical context.
- **EVALUATE** clearly different forms of art by other artists in their writings and class discussions.
- **DEMONSTRATE** a foundational knowledge of contemporary and historic artists, particularly those working in their preferred medium. This is evidenced by their writings on art and during critiques and class discussions.

## History of Art Learning Outcomes

*Upon completion of the major, graduates must have attained the following:*

- A general knowledge of the monuments and principal artists of all major art periods of the past, including a broad understanding of the art of the twentieth century and acquaintance with the art history of non-western cultures.
- Functional knowledge of the creative process through foundation or other studio art courses.
- More specific knowledge, in greater depth and precision, of several cultures and periods in the history of art and concentration in at least one area to the upper-division level. Study at the advanced level includes theory, analysis, methodology, and criticism.
- Knowledge of the tools, methodologies, and techniques of scholarship. Active research and the writing of analytical, theoretical and critical essays are reinforced throughout the program from the first lower-division survey course to the senior capstone project.
- An understanding of the role that art has played and can play in encouraging positive social change.
- The ability to synthesize in written essays the interconnection between various forms of artistic expression.
- Successful completion of a senior thesis based on an in-depth study of a theme or issue in the history of art.
- An understanding of the real-life experience and challenges of working in a museum, auction house or gallery acquired through internships.

# Art Theory and Criticism Learning Outcomes

*Upon successfully completing the program of study with an art theory and criticism emphasis, students should be able to:*

- Conduct an extended, rigorous written analysis of artworks by drawing upon concepts from established critical theory tests.
- Articulate the theoretical assumptions driving specific interpretations of artworks by availing a knowledge base of art theory and criticism.
- Pose and investigate theoretical questions about the nature and function of art by utilizing specific artworks as reference points.
- Demonstrate a foundational knowledge of facts and accepted art historical and critical terminology in writing and discussion.
- Contextualize established and contemporary artworks within a broader cultural, historical, and political framework.
- Produce a work of art or curate an exhibition informed by an art-theoretical concept.

## Split Major Agreements

### Art Practice: Split Major Agreements

Split majors between Art Practice and other disciplines are available by arrangement. For more information, please email Professor Costanza Dopfel at [cdopfel@stmarys-ca.edu](mailto:cdopfel@stmarys-ca.edu).

### Art Theory and Criticism: Split Major Agreements

For more information, please email Professor Costanza Dopfel at [cdopfel@stmarys-ca.edu](mailto:cdopfel@stmarys-ca.edu).

*Note: For curriculum of the Art Theory & Criticism major offered by other departments, please see the course descriptions in those programs: Anthropology (ANTH 120 and ANTH 124); Communication (COMM 100 and COMM 109); English (ENGL 170); Performing Arts (PERFA 001, PERFA 010, PERFA 050, PERFA 118, PERFA 160 and PERFA 184); Philosophy (PHIL 005 and PHIL 111).*

## History of Art: Split Major Agreements

The department offers three split majors: History of Art and Italian Studies, History of Art and Archaeology, and History of Art and Communication. Other split majors are available by arrangement. For more information, please email Professor Costanza Dopfel at [cdopfel@stmarys-ca.edu](mailto:cdopfel@stmarys-ca.edu).

## Minor in Cinematic Arts

The curriculum of the Cinematic Arts Minor combines the critical analysis and creative production of the moving image art form, ranging from time-based film and video to new media art. The courses emphasize technical fundamentals and conceptualization, creative experimentation and critical thinking, and personal expression and social responsibility. A hybrid instructional approach for several of the courses integrates critical analysis and creative

production in order to encourage students to analyze as well as to produce the moving image art form as an engaged critical practice.

Students minoring in Cinematic Arts take six courses from the disciplines of Art, Communication, English, Anthropology, and World Languages and Cultures. Beyond the coursework, an internship elective (ART 195) provides hands-on experience that can include assisting with a film exhibition, working as an assistant with a faculty filmmaker or researcher, and other options.

## Learning Outcomes

*Students completing the Minor in Cinematic Arts will be able to:*

- Plan, shoot, edit a finished film or video art project.
- Contextualize moving image artworks within a broader cultural, historical, and political framework.
- Utilize critical-theoretical concepts as a springboard to develop a film or video art project.
- Write a concept statement articulating the aims, influences, and process associated with their own production work.
- Write an extended critical essay integrating research, analysis, and interpretation of cinematic works of art.

## Degree Requirements and Courses

### Art Practice, BA

(12.75 courses)

#### Lower Division

- ART 001 - Studio Art
- ART 055 - Digital Art: Photo, Video and Sound
- ATC 080 - Art Theory

AND a choice of one lower-division course:

- ART 003 - Basic Design
- ART 004 - Basic Photography
- ART 070 - Printmaking
- ART 090 - Special Topics in Art Practice
- AH 001 - Survey of World Art: Europe and the United States
- AH 002 - Survey of World Arts: Africa, and the Americas

#### Upper Division

- ART 196 - Capstone Project (.25 credits x 3)

A choice of at least one AH course:

- AH 100 - Women and Art
- AH 144 - Issues in Non-Western Art
- AH 145 - Issues in Medieval, Renaissance or Baroque Art
- AH 165 - Issues in American Art
- AH 166 - Issues in Modern Art

AND a choice of seven upper-division courses:

At least four (4) should be in Art Practice.

- ART 101 - Advanced Drawing
- ART 102 - Advanced Painting
- ART 104 - Advanced Photography
- ART 113 - Advanced Design
- ART 155 - Experimental Film/Video
- ART 165 - Experimental Interactive Media
- ART 175 - Interdisciplinary Arts
- ART 194 - Special Topics in Art
- ATC 117 - Art Criticism, 1900-the Present
- ATC 118 - Art Since 1930
- ATC 180 - Seminar in Theory & Practice of Art
- AH 100 - Women and Art
- AH 144 - Issues in Non-Western Art
- AH 145 - Issues in Medieval, Renaissance or Baroque Art
- AH 165 - Issues in American Art
- AH 166 - Issues in Modern Art
- AH 195 or ART 195 - Academic Internship (1 credit)
- AH 197 or ART 197 - Independent Study

## **Art Theory and Criticism, BA**

### **Lower Division**

- ATC 080 - Art Theory
- AH 001 - Survey of World Art: Europe and the United States
- AH 002 - Survey of World Arts: Africa, and the Americas

AND a choice of three electives:

- ART 001 - Studio Art
- ART 003 - Basic Design
- ART 055 - Digital Art: Photo, Video and Sound
- PERFA 001 - Perceiving the Performing Arts
- PERFA 010 - Introduction to Music: Rock to Bach

- PERFA 050 - Theatre for Social Justice: Interactive Theatre
- PHIL 005 - Practical Logic

## Upper Division

- ATC 111 - Philosophy of New Media Art
- ATC 117 - Art Criticism, 1900-the Present
- ATC 166 - Issues in Twentieth-Century Art
- ATC 180 - Seminar in Theory & Practice of Art
- ATC 196 - Capstone Project

AND a choice of four upper-division courses:

- ATC 118 - Art Since 1930
- AH 194 - Interdisciplinary Topics in Art History
- AH 195 - Academic Internship
- ANTH 120 - Visual Anthropology
- ANTH 124 - Museum Studies
- COMM 100 - Communication Theory
- COMM 109 - Visual Communication
- ENGL 170 - Problems in Literary Theory
- PERFA 118 - Twentieth-Century Composers
- PERFA 160 - Special Topics in Performing Arts
- PERFA 184 - Dance in Performance
- PHIL 111 - Philosophy of Art

## History of Art, BA

### Lower Division

- AH 001 - Survey of World Art: Europe and the United States
- AH 002 - Survey of World Arts: Africa, and the Americas
- ATC 080 - Art Theory

AND the choice of one (1) lower-division course:

- ART 001 - Studio Art
- ART 003 - Basic Design
- ART 004 - Basic Photography
- ART 055 - Digital Art: Photo, Video and Sound
- ART 070 - Printmaking
- ART 090 - Special Topics in Art Practice
- ANTH 005 - Introduction to Archaeology

### Upper Division



- AH 196 - Senior Thesis
- AH 144 - Issues in Non-Western Art- (At least one; may be repeated as content varies.)
- AH 145 - Issues in Medieval, Renaissance or Baroque Art - (At least one; may be repeated as content varies.)

At least one (1) ART course, chosen from the following:

- ART 101 - Advanced Drawing
- ART 102 - Advanced Painting
- ART 104 - Advanced Photography
- ART 113 - Advanced Design
- ART 155 - Experimental Film/Video
- ART 165 - Experimental Interactive Media
- ART 175 - Interdisciplinary Arts
- ART 194 - Special Topics in Art

A choice of three (3) of the following:

- AH 100 - Women and Art
- AH 144 - Issues in Non-Western Art
- AH 145 - Issues in Medieval, Renaissance or Baroque Art
- AH 165 - Issues in American Art
- AH 166 - Issues in Modern Art
- AH 188 - Applied Research: Community Service
- AH 194 - Interdisciplinary Topics in Art History
- AH 195 - Academic Internship
- AH 197 - Independent Study
- ANTH 124 - Museum Studies
- ANTH 127 - Topics in Archaeology (Historical Archaeology: Material Culture and Ethnicity)
- ANTH 129 - Ancient Civilizations
- ART 102 - Advanced Painting
- ART 104 - Advanced Photography
- ART 155 - Experimental Film/Video
- ART 165 - Experimental Interactive Media
- ART 175 - Interdisciplinary Arts
- ART 194 - Special Topics in Art
- ATC 117 - Art Criticism, 1900-the Present
- ATC 118 - Art Since 1930
- ATC 180 - Seminar in Theory & Practice of Art
- WLC 126 - Film
- WLC 186 - Culture and Civilization of Italy
- TRS 160 - Topics in Religion and the Arts(only when pre-approved)
- TRS 167 - Visual Theology: Christian Art and Architecture

## Art Practice Minor

(6.25 courses)

## Lower Division

- ART 001 - Studio Art
- ART 055 - Digital Art: Photo, Video and Sound

AND a choice of one lower-division course:

- ART 003 - Basic Design
- ART 004 - Basic Photography
- ART 070 - Printmaking
- ATC 080 - Art Theory
- AH 001 - Survey of World Art: Europe and the United States
- AH 002 - Survey of World Arts: Africa, and the Americas

## Upper Division

- ART 196 - Capstone Project (.25) - Professional Practices (ii) - taken in Fall of Senior year

AND a choice of three upper-division courses, of which at least two should be in Art Practice::

- ART 101 - Advanced Drawing
- ART 102 - Advanced Painting
- ART 104 - Advanced Photography
- ART 155 - Experimental Film/Video
- ART 165 - Experimental Interactive Media
- ART 175 - Interdisciplinary Arts
- ART 194 - Special Topics in Art
- ART 195 - Academic Internship (1 credit)
- ATC 117 - Art Criticism, 1900-the Present
- ATC 118 - Art Since 1930
- ATC 180 - Seminar in Theory & Practice of Art
- AH 100 - Women and Art
- AH 144 - Issues in Non-Western Art
- AH 145 - Issues in Medieval, Renaissance or Baroque Art
- AH 165 - Issues in American Art
- AH 166 - Issues in Modern Art
- AH 195 - Academic Internship (1 credit)

## Art Theory and Criticism Minor

### Lower Division

- ATC 080 - Art Theory
- AH 001 - Survey of World Art: Europe and the United States  
OR
- AH 002 - Survey of World Arts: Africa, and the Americas

AND the choice of one of the following:

- ART 001 - Studio Art
- ART 003 - Basic Design
- ART 055 - Digital Art: Photo, Video and Sound
- PERFA 001 - Perceiving the Performing Arts
- PERFA 050 - Theatre for Social Justice: Interactive Theatre
- PHIL 005 - Practical Logic

## Upper Division

- ATC 111 - Philosophy of New Media Art
- ATC 180 - Seminar in Theory & Practice of Art
- ATC 196 - Capstone Project

AND a choice of two of the following:

- ATC 117 - Art Criticism, 1900-the Present
- ATC 118 - Art Since 1930
- ATC 166 - Issues in Twentieth-Century Art
- AH 194 - Interdisciplinary Topics in Art History
- AH 195 - Academic Internship
- ANTH 120 - Visual Anthropology
- ANTH 124 - Museum Studies
- COMM 100 - Communication Theory
- COMM 109 - Visual Communication
- ENGL 170 - Problems in Literary Theory
- PERFA 118 - Twentieth-Century Composers
- PERFA 160 - Special Topics in Performing Arts
- PERFA 184 - Dance in Performance
- PHIL 111 - Philosophy of Art

## Cinematic Arts Minor

# Matriculation Pattern

**Total Requirement** (six courses)

**Required Core** (four courses)

## Lower Division

- ART 055 - Digital Art: Photo, Video and Sound

## Upper Division

- ART 155 - Experimental Film/Video
- COMM 125 - Media Technologies and Culture
- COMM 158 - Film

## Electives

(Choose two)

- ANTH 120 - Visual Anthropology
- ART 195 - Academic Internship
- ATC 080 - Art Theory
- ATC 111 - Philosophy of New Media Art
- COMM 133 - Video Production
- ENGL 125 - Film
- OR
- ENGL 126 - Topics in Film
- WLC 126 - Film \*

## Note

\* Before enrolling in WLC 126, students should contact the instructor regarding a possible foreign language requirement. This requirement varies depending on the section.

## History of Art Minor

### Lower Division

- AH 001 - Survey of World Art: Europe and the United States
- OR
- AH 002 - Survey of World Arts: Africa, and the Americas

### A choice of one lower-division course:

- ANTH 005 - Introduction to Archaeology
- ART 001 - Studio Art
- ART 003 - Basic Design
- ART 004 - Basic Photography
- ART 055 - Digital Art: Photo, Video and Sound
- ART 070 - Printmaking
- ATC 080 - Art Theory

## Upper Division

A choice of three upper-division courses, of which at least two (2) should be in Art History:

- AH 100 - Women and Art
- AH 144 - Issues in Non-Western Art
- AH 145 - Issues in Medieval, Renaissance or Baroque Art
- AH 165 - Issues in American Art
- AH 166 - Issues in Modern Art
- AH 188 - Applied Research: Community Service
- AH 194 - Interdisciplinary Topics in Art History
- AH 195 - Academic Internship (1 credit)
- ANTH 124 - Museum Studies
- ANTH 127 - Topics in Archaeology (Historical Archaeology: Material Culture and Ethnicity)
- ANTH 129 - Ancient Civilizations
- ART 113 - Advanced Design
- ART 175 - Interdisciplinary Arts
- ART 194 - Special Topics in Art
- ATC 117 - Art Criticism, 1900-the Present
- ATC 118 - Art Since 1930
- ATC 180 - Seminar in Theory & Practice of Art
- WLC 126 - Film
- WLC 186 - Culture and Civilization of Italy
- TRS 160 - Topics in Religion and the Arts (only when pre-approved)
- TRS 167 - Visual Theology: Christian Art and Architecture

## Biochemistry

Biochemistry is the study of biological phenomena using chemical principles. The Biology and Chemistry departments jointly offer a major in biochemistry to serve students whose scientific interests lie at the intersection between biology and chemistry. Majoring in this important interdisciplinary field will prepare students for a variety of options upon graduation: employment in the biotechnology, pharmaceutical, or similar industries; graduate work in biochemistry or many related fields; entry into professional schools such as medicine or dentistry; or teaching at the K-12 level. Using a balance of theoretical and experimental work, the curriculum attempts to provide students with a solid understanding of fundamental concepts, the ability to reason through unfamiliar problems, the tools to investigate a topic in depth, and the communication skills that are needed to share information with others.

By majoring in biochemistry, students will fulfill many learning outcomes that can be arranged under three broad categories: 1) Obtain a solid foundation in fundamental biochemical concepts; 2) Acquire the tools to independently investigate a topic; 3) Develop habits of critical thinking and communication that can reinforce many of the College's core curriculum goals.

## Faculty and Steering Committee

**Jeffrey A. Sigman, PhD**, *Professor, Director*

**James Berleman, PhD**, *Associate Professor*

**Vidya Chandrasekaran, PhD**, *Associate Professor*

**Jim Pesavento, PhD, Assistant Professor**  
**Karen Ruff, PhD, Associate Professor**

## Learning Outcomes

*The learning outcomes for the biochemistry major are organized into three general categories. Students graduating in the biochemistry major will:*

- **OBTAIN** a solid foundation in the fundamental language and concepts of biochemistry and an understanding of issues at the forefront of the discipline
- **DEVELOP** skills required for critical thinking and independent investigation
- **DEVELOP** skills of communication and collaboration

## Admission Requirements

Students planning a major in biochemistry must present credits in one year of chemistry, one year of physics, and four years of mathematics, and should have at least a B average in these subjects. Students with a good high school record but lacking credit in any of these subjects should remedy any deficiencies in summer school. Students majoring in a science should be particularly alert to the language proficiency requirement.

## Prerequisite Grade

Any course listed in this major with a prerequisite assumes a grade of C- or better in the prerequisite course. The lower- and upper-division courses in this major are listed on the Biology and Chemistry Department pages.

## Major Requirements

This major is interdisciplinary, bridging the two fields of biology and chemistry, so the lower-division requirements are nearly the same as those for the two respective major programs. The lower- and upper-division courses in this major are listed on the Biology and Chemistry Department pages.

## Biochemistry, BS

### Lower Division

The following lower-division courses are required for the biochemistry major:

- BIOL 001 - Introduction to Cell Biology, Molecular Biology and Biochemistry
- BIOL 001L - Introductory Biology for Majors: Cell and Molecular Biology Laboratory
- BIOL 002 - Introductory Biology for Majors: Organisms and Evolution (Recommended)<sup>†</sup>
- BIOL 002L - Organisms and Evolution Laboratory (Recommended)<sup>†</sup>
  
- CHEM 008 - General Chemistry I
- CHEM 009 - General Chemistry Lab I
- CHEM 010 - General Chemistry II
- CHEM 011 - General Chemistry Lab II

- MATH 027 - Calculus I
- MATH 028 - Calculus II with Applications
- PHYSI 010 - General Physics I
- PHYSI 010L - Laboratory
- PHYSI 011 - General Physics II
- PHYSI 011L - Laboratory
- OR
- PHYSI 001 - Introduction to Physics I
- PHYSI 002 - Introduction to Physics I Laboratory
- PHYSI 003 - Introduction to Physics II
- PHYSI 004 - Introduction to Physics II Laboratory
- CHEM 089 - Chemical Literature

## Note

† Required for students with more of a biological interest and chemistry students who wish to take BIOL 105 - Genetics

## Upper-Division Requirements

- CHEM 104 - Organic Chemistry I
- CHEM 106 - Organic Chemistry II
- BIOCHEM 101 - Structural and Physical Biochemistry
- BIOCHEM 102 - Metabolic Biochemistry
- BIOL 137 - Molecular Biology
- CHEM 114 - Physical Chemistry I
- CHEM 113 - Analytical Chemistry
- OR
- CHEM 118 - Instrumental Chemical Analysis

## Upper-division Electives

Select any two upper division courses in chemistry or biology in consultation with your advisor.§

Students are strongly encouraged to participate in research, either during a summer or during the academic year.

§ Students interested in more chemistry-related graduate programs should take two semesters of Physical Chemistry (CHEM 114 and CHEM 115) and CHEM 130 - Advanced Inorganic Chemistry.

## Biology

The Biology Department offers a full range of courses designed to introduce undergraduate students to the major areas of modern biological science. The primary goals of the department are to prepare students for advanced study and research in biology and related sciences; for postgraduate study in medicine, dentistry, and the other health professions; and for careers in education, industry, agriculture, government service and veterinary medicine. Students interested in the health professions should check the Pre-Professional section of the catalog for additional information.

## Faculty

**Rebecca Jabbour, PhD**, *Associate Professor Evolution, Anatomy, Chair*

**James Berleman, PhD**, *Associate Professor Microbiology, Microbial Ecology, Genetics*

**Carla C. Bossard, PhD**, *Professor Terrestrial Ecology, Plant Science*

**Vidya Chandrasekaran, PhD**, *Professor Developmental Genetics, Biochemistry, Physiology*

**Jessica Coyle, PhD**, *Assistant Professor, Ecology*

**Margaret F. Field, PhD**, *Associate Professor Emerita Physiology, Cell Biology*

**Keith E. Garrison, PhD**, *Professor Immunology, Genetics, Molecular Biology*

**Khameeka Kitt-Hopper, PhD**, *Assistant Professor Cell and Molecular Biology, Anatomy and Physiology*

**Phillip Leitner, PhD**, *Professor Emeritus Conservation Biology, Desert Ecology*

**Jacob F. Lester, PhD**, *Professor Emeritus Zoology, Parasitology*

**Michael P. Marchetti, PhD**, *Fletcher Jones Professor of Biology, Aquatic Ecology, Conservation Biology, Invasive Species*

**James Pesavanto, PhD**, *Associate Professor Biochemistry, Molecular Biology*

**Sonya Schuh, PhD**, *Associate Professor Cell Biology, Developmental Biology, Physiology*

**Gregory R. Smith, MS**, *Professor Anatomy, Physiology*

## Learning Outcomes

*Students who graduate with a major in biology will be able to:*

- **DEMONSTRATE** a solid knowledge in all three major areas of biology: molecular and cellular, organismal and ecology and evolutionary.
- **ANALYZE** logically and critically scientific information.
- **APPLY** knowledge they have already mastered from current and previous courses to the exploration of new areas of inquiry.
- **COMMUNICATE** skillfully through written and oral reports.
- **USE** biological methodology competently for laboratory research.
- **INTEGRATE** an awareness of ethical issues with their understanding of and work in biology.

## Suggested Biology Major Program

A suggested four-year program of study for a major in biology is available from department faculty. Faculty advisors should be consulted on a regular basis to assist in selecting courses and arranging specific curricula relating to fulfillment of major and core curriculum requirements, as well as particular career goals and personal interests. Students majoring in science should be particularly alert to the language proficiency requirement. Students may select courses of their choice for remaining electives. It is important to note that certain upper-division courses are offered in alternate years.

## January Term



Frequently, faculty members in the Biology Department offer courses during the January Term. Since it is the policy of the department to provide a variety of learning experiences during this term, the following kinds of courses are often offered: (1) Seminars designed to probe special areas of current interest in the biological sciences through readings in the primary literature, preparation of reports and class discussions; (2) Field courses, based either on campus or at a field site, that provide experience in the study of natural ecosystems; (3) Directed research into topics in experimental or field biology of interest to faculty and students; (4) Independent study courses either on campus or by special arrangement at universities or research institutions. It is the general policy of the department that courses taken during the January Term cannot be used to satisfy requirements for the major.

## Prerequisite Grade

*Any course listed in this department with a prerequisite assumes a grade of C- or better in the prerequisite course.*

## Biology, BS

### Lower Division Biology Requirements

- MATH 027 - Calculus I
- OR
- MATH 013 - Calculus with Elementary Functions I AND
- MATH 014 - Calculus with Elementary Functions II

One of the following:

- MATH 004 - Introduction to Probability and Statistics
- MATH 028 - Calculus II with Applications
- MATH 038 - Calculus II
- BIOL 119 - Research Design and Biostatistics
  
- CHEM 008 - General Chemistry I
- CHEM 009 - General Chemistry Lab I
- CHEM 010 - General Chemistry II
- CHEM 011 - General Chemistry Lab II
- PHYSI 010 - General Physics I
- PHYSI 010L (lab)
- PHYSI 011 - General Physics II
- PHYSI 011L (lab)
- BIOL 001 - Introduction to Cell Biology, Molecular Biology and Biochemistry
- BIOL 001L - Introductory Biology for Majors: Cell and Molecular Biology Laboratory
- BIOL 002 - Introductory Biology for Majors: Organisms and Evolution
- BIOL 002L - Organisms and Evolution Laboratory

### Upper Division Biology Requirements

The biology major must include seven upper-division biology courses, at least five of which must include a laboratory component. To develop a broad background in biology and to experience major areas of study within the disciplines, biology majors are required to take both courses from Group I and at least one course from Groups II, III, and IV. The remainder of the seven required may come from any group.

- CHEM 104 - Organic Chemistry I
- CHEM 104L (lab)
- CHEM 106 - Organic Chemistry II
- CHEM 106L (lab)

### Group I Genetics and Ecology:

- BIOL 105 - Genetics
- BIOL 125 - General Ecology

### Group II Organismal:

- BIOL 100 - Comparative Vertebrate Anatomy
- BIOL 102 - Developmental Biology and Embryology
- BIOL 110 - Parasitism and Symbiology
- BIOL 113 - Aquatic/Marine Biology
- BIOL 122 - Comparative Animal Physiology
- BIOL 127 - Systemic Physiology
- BIOL 128 - Advanced Human Anatomy
- BIOL 144 - General Botany
- BIOL 146 - Plant Ecophysiology

### Group III Cellular/Molecular:

- BIOL 130 - Microbiology
- BIOL 132 - Cell Biology
- BIOL 135 - Biochemistry
- BIOL 137 - Molecular Biology
- BIOL 139 - Immunology

### Group IV Evolution and Ecology:

- BIOL 113 - Aquatic/Marine Biology
- BIOL 115 - Theory of Evolution
- BIOL 120 - Vertebrate Zoology
- BIOL 142 - California Flora and Communities
- BIOL 152 - Conservation Science

### Group V Electives:

- BIOL 116 - History and Philosophy of Biology
- BIOL 119 - Research Design and Biostatistics
- BIOL 192 - Special Topics in Organismal Biology
- BIOL 193 - Special Topics in Cellular and Molecular Biology
- BIOL 194 - Special Topics in Evolution and Ecology
- BIOL 195 - Internship in Biology (1.0 credit)

- BIOL 197 - Special Study (1.0 credit)
- BIOL 198 - Field/Laboratory Research in Biology (1.0 credit)
- BIOL 199 - Special Study - Honors (1.0 credit)

## Note

*Lower-division requirements for split majors must be determined by consultation between the student and their advisor, and approved by the chairs of the departments involved. All split majors with biology as the predominant area must be arranged by petition. They must have a clear emphasis, a direction and show relatedness among the courses chosen. The specific upper-division courses selected for any split major must be arranged between the student and their advisor and be approved by the chairs of the departments involved.*

## Biology Minor

### Minor Requirements

The minor in biology requires

- CHEM 008 - General Chemistry I
- CHEM 009 - General Chemistry Lab I
- CHEM 010 - General Chemistry II
- CHEM 011 - General Chemistry Lab II
- BIOL 001 - Introduction to Cell Biology, Molecular Biology and Biochemistry
- BIOL 001L - Introductory Biology for Majors: Cell and Molecular Biology Laboratory
- BIOL 002 - Introductory Biology for Majors: Organisms and Evolution
- BIOL 002L - Organisms and Evolution Laboratory
- Any three upper-division biology courses--except BIOL 195, BIOL 197, BIOL 198, and BIOL 199--two of which must have a laboratory component. Note that all courses have prerequisites. The specific upper-division courses selected for the minor must be arranged between the student and their advisor and be approved by the chair.

## Business Administration

The Undergraduate Business Program at Saint Mary's College is committed to preparing students for successful careers in a world of commerce that is ever-changing and increasingly complex. Students who major in Business Administration gain technical expertise in a liberal arts learning environment where intellectual inquiry, ethical sensitivity, and communication skills are nurtured by an accomplished and caring faculty. As a part of the School of Economics and Business Administration, the Undergraduate Business Program carefully adheres to the School's focus of "Think Globally, Lead Responsibly."

Saint Mary's Undergraduate Business Program offers an exciting curriculum, grounded in responsible leadership and global business. The general business program gives students an understanding of all functional areas of business. For those interested in an in-depth study of a particular discipline, the Undergraduate Business Program, also offers a variety of concentrations: Business Analytics, Digital Media, Entrepreneurship, Finance, Global Business, Intercultural-Interfaith Leadership, and Marketing. All of these programs prepare students for careers in business, including: financial analyst, business intelligence analyst, marketing manager, project manager, organizational and global business leader, social media analyst, and client services manager. Additionally, some students pursue graduate business degrees, law school or other graduate study.

Exciting opportunities for student engagement and development lie outside of the classroom. "Career Gateway" is a four-year professional development program with a wide variety of workshops including interviewing techniques, resume writing, cross-cultural skills, technologies, social media, and other seminars that prepare graduates for success.

SEBA Undergraduate Career Services offers career exploration, job search strategies, and resume/cover letter preparation for students. Internships are one of the best ways to gain valuable work experience during an undergraduate career with numerous opportunities to be pursued. Additionally, many business students engage in study abroad opportunities to expand their global perspective and cultural awareness. Extracurricular engagement in SEBA student clubs and national honor societies give students leadership development experience and recognition.

## Faculty

**Berna Aksu, PhD, Professor**

**Marco Aponte, PhD, Associate Professor, Management Department Chair**

**Jyoti Bachani, PhD, Associate Professor**

**Norman S. Bedford, PhD, Professor Emeritus**

**David Bowen, PhD, Professor Emeritus**

**Caroline Burns, PhD, Associate Professor, Associate Dean, Undergraduate Programs**

**Kim Clark, PhD, Associate Professor, Associate Dean, Graduate Programs**

**Jake Cowan, PhD, Assistant Professor**

**Barry Eckhouse, PhD, Professor**

**Michael Hadani, PhD, Associate Professor**

**James Hawley, PhD, Professor Emeritus**

**Jivendra Kale, PhD, CFA, Professor**

**Eric J. Kolhede, PhD, Professor**

**Nancy Lam, PhD, Associate Professor**

**Kimberly Legocki, DBA, Adjunct**

**Yuan Li, PhD, Associate Professor, Organizational Behavior and Responsible Business Department Chair**

**Tee Lim, PhD, Adjunct**

**Barbara A. McGraw, JD, PhD, Professor**

**Mary Alice McNeil, MA, Adjunct, Associate Professor**

**Kevin Okoeguale, PhD, Associate Professor, Finance Department Chair**

**Mina Rohani, PhD, Assistant Professor**

**Grant Rozenboom, Assistant Professor**

**Michal Strahelivitz, PhD, Associate Professor**

**Saroja Subrahmanyam, PhD, Professor, Marketing Department Chair**

**Jan Warhuus, PhD, Assistant Professor**

**Kelly Weidner, PhD, Associate Professor, BUSAD Program Director**

**Lili Yan, JD, PhD, Assistant Professor**

**Xiaotian Tina Zhang, PhD, Professor**

## Program Learning Outcomes

Graduates will be:

- Effective business analysts.
- Effective business communicators.
- Ethically conscious and socially responsible business people.
- Leaders who understand the impact of globalization.

## Structure of the Business Programs

The business major consists of the Common Business Core plus either the requirements for General Business or the choice of one of the available Concentrations: Business Analytics, Digital Media, Entrepreneurship, Finance, Global Business, Intercultural-Interfaith Leadership, and Marketing.

## Business Program in Brief

\*Note: Common Business Core required courses are listed below under "Major Requirements"

## **Developing a Graduation Plan**

### **Faculty Advising and Course Availability**

Common Business Core courses are offered every semester and some courses are offered less frequently. Annual course offerings will be published on the website. Students must develop a graduation plan with their faculty advisors to schedule classes in order to complete their program of study.

### **Advising and Special Action Petitions**

Successful completion of the Business major by the expected graduation date requires careful planning. Students are responsible for their own program plan, which includes meeting with their advisors to go over the students' plan for completion of their degree programs. Special accommodations to modify the program are unlikely (e.g., waiver of prerequisites or substitution of courses), but if permitted would require the approval of the Business Administration Program Director. Students may submit a Special Action Petition through the Registrar's Office for review by the BUSAD Program Director.

### **Prerequisites:**

Students must finish all lower division Common Business Core courses before starting their general business or concentration required courses. Students must earn a C- or higher grade in all prerequisites. Also, students must pay careful attention to course prerequisites, which affect how courses must be sequenced. For example, to be eligible to take BUSAD 196, which is the Business program capstone course, students must have previously (not concurrently) completed all lower division Common Business Core courses, the SMC core curriculum math requirement (MATH 003 or MATH 027 is required), and at least BUSAD 123, BUSAD 124, and BUSAD 132.

### **Saint Mary's Business Program Residency Requirements:**

The majority of the courses required for the major must be taken at Saint Mary's College. All concentration courses must be taken at Saint Mary's College, unless taken in conjunction with study abroad or taken as an elective and not to fulfill a concentration requirement.

Students may transfer credit for a maximum of two upper-division business courses.

### **Math Requirement:**

Math is an SMC core requirement. The Business Department highly recommends that students complete this requirement (MATH 003, or MATH 013 and MATH 014, or MATH 027 ) before taking DATA 040; ACCTG 002; and ECON 004, and not later than the end of the sophomore year. This subject-area will provide necessary analytical tools for success in business courses and is a prerequisite for most upper- division BUSAD courses. Seniors will not be admitted into MATH 003. MATH 027 or MATH 013 and MATH 014 is required for Business Analytics concentration.

## **Major Requirements**

Students must complete the "Common Business Core" and courses for either General Business or one of the following concentrations: Marketing, Finance, Entrepreneurship, Global Business, Business Analytics, Digital Media, or Intercultural-Interfaith Leadership.

The concentrations are designed for students motivated to explore critical business disciplines in greater depth, focus, and intensity for preparation for careers or graduate education in the field of the concentration. Students may choose to complete more than one concentration; however, doing so may require additional time beyond the usual four years.

## Internships

Students who want to combine study with practical experience in business should contact the SEBA Undergraduate Career Services Office for information on a variety of opportunities available in both the private and public sectors. Course credit for internships may be available through enrollment in BUSAD 195 (1 credit or .25 credit) prior to beginning the internship.

## Business Administration, BS

See the **Business Administration** department page for information about requirements and program policies.

## Common Business Core

All business majors must take the Common Business Core Courses

### Lower Division

*The following six courses should be completed by the end of the first semester of the sophomore year, but must be completed by the end of the sophomore year for the student to graduate on the student's expected graduation date.*

- BUSAD 010 - Global Perspectives in Business and Society\*\*
- DATA 040 - Business Statistics
- ACCTG 001 - Financial Accounting
- ACCTG 002 - Managerial Accounting
- ECON 003 - Principles of Microeconomics
- ECON 004 - Principles of Macroeconomics

### Note

\*\*BUSAD 010 is waived for transfer students entering Saint Mary's with junior or senior standing. It is also waived for Accounting majors. It is not waived for students who switch majors at Saint Mary's.

### Upper Division

- BUSAD 123 - Financial Management
- BUSAD 124 - Marketing
- BUSAD 127 - Business Communication
- BUSAD 131 - Managing and Leading in Organizations
- BUSAD 132 - Global Operations Management

- BUSAD 181 - Business Ethics and Social Responsibility
- BUSAD 196 - Strategic Management

## General Business Program (No Concentration)

Students who complete this program will receive the degree of Bachelor of Science in Business Administration.

- BUSAD 120 - Business Law
- BUSAD 180 - Global Business
- Upper Division BUSAD Elective (See list of courses below)
- Upper Division BUSAD Elective (See list of courses below)

## Upper Division Electives

Upper Division elective choices for the General Business majors are the following:

- BUSAD 108 - Interfaith Leadership in Business and the Professions
- BUSAD 110 - Entrepreneurship
- BUSAD 111 - New Venture Financing
- BUSAD 112 - Small Business Management
- BUSAD 113 - Digital Marketing
- BUSAD 121 - Advanced Legal Topics in Business
- BUSAD 126 - Applied Marketing Research
- BUSAD 128 - Consumer Behavior
- BUSAD 129 - Global Marketing
- DATA 137 - Advanced Quantitative Methods
- DATA 138 - Database Programming for Data Analytics
- DATA 139 - Big Data and Machine Learning
- BUSAD 175 - Management Information Systems
- ECON 105 - Microeconomic Theory
- ECON 106 - Macroeconomic Theory
  
- ECON 170 - Industrial Organization  
OR
- ECON 175 - Multinational Enterprises
  
- ECON 130 - Banking and Monetary Policy  
OR
- BUSAD 136 - Investments

## Business Administration, Business Analytics Concentration, BS

See the **Business Administration** department page for information about requirements and program policies.

## Common Business Core

All business majors must take the Common Business Core Courses

## Lower Division

*The following six courses should be completed by the end of the first semester of the sophomore year, but must be completed by the end of the sophomore year for the student to graduate on the student's expected graduation date.*

- BUSAD 010 - Global Perspectives in Business and Society\*\*
- DATA 040 - Business Statistics
- ACCTG 001 - Financial Accounting
- ACCTG 002 - Managerial Accounting
- ECON 003 - Principles of Microeconomics
- ECON 004 - Principles of Macroeconomics

## Note

\*\*BUSAD 010 is waived for transfer students entering Saint Mary's with junior or senior standing. It is also waived for Accounting majors. It is not waived for students who switch majors at Saint Mary's.

## Upper Division

- BUSAD 123 - Financial Management
- BUSAD 124 - Marketing
- BUSAD 127 - Business Communication
- BUSAD 131 - Managing and Leading in Organizations
- BUSAD 132 - Global Operations Management
- BUSAD 181 - Business Ethics and Social Responsibility
- BUSAD 196 - Strategic Management

## Business Analytics Concentration

Students who complete this program will receive the degree of Bachelor of Science in Business Administration/Business Analytics Concentration.

- DATA 137 - Advanced Quantitative Methods
- DATA 138 - Database Programming for Data Analytics
- DATA 139 - Big Data and Machine Learning
- MA/CS 021 - Programming I

## Note

Students must take MATH 027 or MATH 013 and MATH 014 as prerequisite for this concentration

## Business Administration, Digital Media Concentration, BS

See the **Business Administration** department page for information about requirements and program policies.



## Common Business Core

All business majors must take the Common Business Core Courses

### Lower Division

*The following six courses should be completed by the end of the first semester of the sophomore year, but must be completed by the end of the sophomore year for the student to graduate on the student's expected graduation date.*

- BUSAD 010 - Global Perspectives in Business and Society\*\*
- DATA 040 - Business Statistics
- ACCTG 001 - Financial Accounting
- ACCTG 002 - Managerial Accounting
- ECON 003 - Principles of Microeconomics
- ECON 004 - Principles of Macroeconomics

### Note

\*\*BUSAD 010 is waived for transfer students entering Saint Mary's with junior or senior standing. It is also waived for Accounting majors. It is not waived for students who switch majors at Saint Mary's.

### Upper Division

- BUSAD 123 - Financial Management
- BUSAD 124 - Marketing
- BUSAD 127 - Business Communication
- BUSAD 131 - Managing and Leading in Organizations
- BUSAD 132 - Global Operations Management
- BUSAD 181 - Business Ethics and Social Responsibility
- BUSAD 196 - Strategic Management

## Digital Media Concentration

Students who complete this program will receive the degree of Bachelor of Science in Business Administration/Digital Media Concentration.

- BUSAD 113 - Digital Marketing
- BUSAD 114 - Online Content Creation

### Choice of two from the following options:

- COMM 125 - Media Technologies and Culture
- COMM 133 - Video Production
- COMM 143 - Advanced Media Production I
- ART 055 - Digital Art: Photo, Video and Sound
- OR
- COMM 109 - Visual Communication

- OR
- COMM 158 - Film
- OR
- ART 004 - Basic Photography
- ART 065 - Web Design and Interactive Art

## Business Administration, Entrepreneurship Concentration, BS

See the **Business Administration** department page for information about requirements and program policies.

### Common Business Core

All business majors must take the Common Business Core Courses

#### Lower Division

*The following six courses should be completed by the end of the first semester of the sophomore year, but must be completed by the end of the sophomore year for the student to graduate on the student's expected graduation date.*

- BUSAD 010 - Global Perspectives in Business and Society\*\*
- DATA 040 - Business Statistics
- ACCTG 001 - Financial Accounting
- ACCTG 002 - Managerial Accounting
- ECON 003 - Principles of Microeconomics
- ECON 004 - Principles of Macroeconomics

#### Note

\*\*BUSAD 010 is waived for transfer students entering Saint Mary's with junior or senior standing. It is also waived for Accounting majors. It is not waived for students who switch majors at Saint Mary's.

#### Upper Division

- BUSAD 123 - Financial Management
- BUSAD 124 - Marketing
- BUSAD 127 - Business Communication
- BUSAD 131 - Managing and Leading in Organizations
- BUSAD 132 - Global Operations Management
- BUSAD 181 - Business Ethics and Social Responsibility
- BUSAD 196 - Strategic Management

### Entrepreneurship Concentration

Students who complete this program will receive the degree of Bachelor of Science in Business Administration/Entrepreneurship Concentration.

- BUSAD 110 - Entrepreneurship
- BUSAD 111 - New Venture Financing

- BUSAD 112 - Small Business Management
- BUSAD 113 - Digital Marketing

## Business Administration, Finance Concentration, BS

See the **Business Administration** department page for information about requirements and program policies.

### Common Business Core

All business majors must take the Common Business Core Courses

#### Lower Division

*The following six courses should be completed by the end of the first semester of the sophomore year, but must be completed by the end of the sophomore year for the student to graduate on the student's expected graduation date.*

- BUSAD 010 - Global Perspectives in Business and Society\*\*
- DATA 040 - Business Statistics
- ACCTG 001 - Financial Accounting
- ACCTG 002 - Managerial Accounting
- ECON 003 - Principles of Microeconomics
- ECON 004 - Principles of Macroeconomics

#### Note

\*\*BUSAD 010 is waived for transfer students entering Saint Mary's with junior or senior standing. It is also waived for Accounting majors. It is not waived for students who switch majors at Saint Mary's.

#### Upper Division

- BUSAD 123 - Financial Management
- BUSAD 124 - Marketing
- BUSAD 127 - Business Communication
- BUSAD 131 - Managing and Leading in Organizations
- BUSAD 132 - Global Operations Management
- BUSAD 181 - Business Ethics and Social Responsibility
- BUSAD 196 - Strategic Management

### Finance Concentration

Students who complete this program will receive the degree of Bachelor of Science in Business Administration/Finance Concentration.

- BUSAD 135 - International Financial Management
- BUSAD 136 - Investments
- DATA 137 - Advanced Quantitative Methods
- BUSAD 111 - New Venture Financing

# Business Administration, Global Business Concentration, BS

See the **Business Administration** department page for information about requirements and program policies.

## Common Business Core

All business majors must take the Common Business Core Courses

### Lower Division

*The following six courses should be completed by the end of the first semester of the sophomore year, but must be completed by the end of the sophomore year for the student to graduate on the student's expected graduation date.*

- BUSAD 010 - Global Perspectives in Business and Society\*\*
- DATA 040 - Business Statistics
- ACCTG 001 - Financial Accounting
- ACCTG 002 - Managerial Accounting
- ECON 003 - Principles of Microeconomics
- ECON 004 - Principles of Macroeconomics

### Note

\*\*BUSAD 010 is waived for transfer students entering Saint Mary's with junior or senior standing. It is also waived for Accounting majors. It is not waived for students who switch majors at Saint Mary's.

### Upper Division

- BUSAD 123 - Financial Management
- BUSAD 124 - Marketing
- BUSAD 127 - Business Communication
- BUSAD 131 - Managing and Leading in Organizations
- BUSAD 132 - Global Operations Management
- BUSAD 181 - Business Ethics and Social Responsibility
- BUSAD 196 - Strategic Management

## Global Business Concentration

Students who complete this program will receive the degree of Bachelor of Science in Business Administration/Global Business Concentration.

- BUSAD 180 - Global Business
- BUSAD 135 - International Financial Management
- BUSAD 129 - Global Marketing
- BUSAD 185 - Managing the Global Firm

### Note

Students must study abroad one semester in the junior year. This requires careful program planning.

## **Business Administration, Intercultural-Interfaith Leadership Concentration, BS**

See the **Business Administration** department page for information about requirements and program policies.

### **Common Business Core**

All business majors must take the Common Business Core Courses

#### **Lower Division**

*The following six courses should be completed by the end of the first semester of the sophomore year, but must be completed by the end of the sophomore year for the student to graduate on the student's expected graduation date.*

- BUSAD 010 - Global Perspectives in Business and Society\*\*
- DATA 040 - Business Statistics
- ACCTG 001 - Financial Accounting
- ACCTG 002 - Managerial Accounting
- ECON 003 - Principles of Microeconomics
- ECON 004 - Principles of Macroeconomics

#### **Note**

\*\*BUSAD 010 is waived for transfer students entering Saint Mary's with junior or senior standing. It is also waived for Accounting majors. It is not waived for students who switch majors at Saint Mary's.

#### **Upper Division**

- BUSAD 123 - Financial Management
- BUSAD 124 - Marketing
- BUSAD 127 - Business Communication
- BUSAD 131 - Managing and Leading in Organizations
- BUSAD 132 - Global Operations Management
- BUSAD 181 - Business Ethics and Social Responsibility
- BUSAD 196 - Strategic Management

### **Intercultural-Interfaith Leadership Concentration**

Students who complete this program will receive the degree of Bachelor of Science in Business Administration/Intercultural-Interfaith Leadership Concentration.

- BUSAD 108 - Interfaith Leadership in Business and the Professions
- ANTH 001 - Introduction to Social and Cultural Anthropology

OR

- ES 001 - Introduction to Ethnic Studies
- COMM 106 - Intercultural Communication
- BUSAD 185 - Managing the Global Firm

## **Business Administration, Marketing Concentration, BS**

See the **Business Administration** department page for information about requirements and program policies.

### **Common Business Core**

All business majors must take the Common Business Core Courses

### **Lower Division**

*The following six courses should be completed by the end of the first semester of the sophomore year, but must be completed by the end of the sophomore year for the student to graduate on the student's expected graduation date.*

- BUSAD 010 - Global Perspectives in Business and Society\*\*
- DATA 040 - Business Statistics
- ACCTG 001 - Financial Accounting
- ACCTG 002 - Managerial Accounting
- ECON 003 - Principles of Microeconomics
- ECON 004 - Principles of Macroeconomics

### **Note**

\*\*BUSAD 010 is waived for transfer students entering Saint Mary's with junior or senior standing. It is also waived for Accounting majors. It is not waived for students who switch majors at Saint Mary's.

### **Upper Division**

- BUSAD 123 - Financial Management
- BUSAD 124 - Marketing
- BUSAD 127 - Business Communication
- BUSAD 131 - Managing and Leading in Organizations
- BUSAD 132 - Global Operations Management
- BUSAD 181 - Business Ethics and Social Responsibility
- BUSAD 196 - Strategic Management

### **Marketing Concentration**

Students who complete this program will receive the degree of Bachelor of Science in Business Administration/Marketing Concentration.

- BUSAD 126 - Applied Marketing Research

- BUSAD 128 - Consumer Behavior
- BUSAD 129 - Global Marketing
- BUSAD 113 - Digital Marketing

## Business Administration Minor

### Minor Requirements

A student may earn only one Minor in Business Administration. Courses for the minor are

- ACCTG 001 - Financial Accounting
- ACCTG 002 - Managerial Accounting
- ECON 003 - Principles of Microeconomics
- ECON 004 - Principles of Macroeconomics
- DATA 040 - Business Statistics
- BUSAD 120 - Business Law
- BUSAD 123 - Financial Management
- BUSAD 124 - Marketing
- Plus two additional upper-division Business Administration courses.

### Note

The BUSAD minor is not open to Accounting majors.

## Chemistry

The Chemistry Department seeks to offer a versatile academic program that will prepare students for a variety of options upon graduation: employment in industry, graduate work in chemistry or related fields, entry into professional schools such as medicine or dentistry, or teaching at the K-12 level. Using a balance of theoretical and experimental work, the curriculum attempts to provide students with a solid understanding of fundamental concepts, the ability to reason through unfamiliar problems, the tools to investigate a topic in depth and the communication skills that are needed to share information with others.

The department recognizes that since chemistry is a discipline whose primary focus is the underlying substances of the universe, it is important both independently and in relation to other fields of study. For these reasons the department strives to connect the curriculum to other disciplines and real-world examples whenever possible, and to routinely offer courses to meet the needs of students who are not science majors.

## Faculty

**Valerie A. Burke, PhD**, *Associate Professor, Chair*

**Kenneth J. Brown, PhD**, *Professor*

**Steven J. Bachofer, PhD**, *Professor*

**Joel D. Burley, PhD**, *Professor*

**John S. Correia, PhD**, *Professor Emeritus*

**Zuleikha Kurji, PhD**, *Assistant Professor*

**Mark Lingwood, PhD**, *Associate Professor*

**Karen M. Ruff, PhD**, *Assistant Professor*

Michelle L. Shulman, PhD, Associate Professor  
Jeffrey A. Sigman, PhD, Professor  
Elizabeth Valentin, PhD, Assistant Professor

## Learning Outcomes

*The learning outcomes for the Chemistry Department are organized into five general categories:*

- **TOOLS** for learning
- **FUNDAMENTAL** knowledge and conceptual understanding
- **INVESTIGATIVE** skills
- **COMMUNICATION** skills
- **SOCIETAL AWARENESS** and concerns

## Preparation for Success

Students planning a major in chemistry should present credits for one year of chemistry, one year of physics, and four years of mathematics, and should have at least a B average in these subjects. Students with a good high school record but lacking credit in any of these subjects should remedy any deficiencies in summer school. Students planning a science major should be particularly alert to the language proficiency requirement (see Program of Study) and the math diagnostic prerequisite for entrance into CHEM 008.

## Major Requirements

The Chemistry Department offers several options for the student interested in chemistry:

1. The bachelor of science (B.S.) chemistry major provides a solid foundation for students pursuing careers in technically intensive fields or graduate study. It is particularly appropriate for students with strong mathematical skills.
2. The chemistry major with an environmental concentration (B.S.) is designed for students with an interest in applying chemistry to the study of environmental systems and issues.
3. The bachelor of arts (B.A.) chemistry major provides students the flexibility to undertake a minor, prepare for a single-subject teaching credential, or complete courses for medical or professional school. It can also prepare students for employment with a number of firms in the scientific and medical arenas.
4. The biochemistry major (B.S., offered jointly with the Biology Department; see Biochemistry major for more information).

A suggested four-year program of study for any major in chemistry or biochemistry is available from any Chemistry Department faculty member.

## Prerequisite Grade

*Any course listed in this department with a prerequisite assumes a grade of C- or better in the prerequisite course, unless noted otherwise in the course description.*

## Chemistry, BA

### Lower Division



The following lower-division courses are required for the three majors in chemistry:

- CHEM 008 - General Chemistry I
- CHEM 009 - General Chemistry Lab I
- CHEM 010 - General Chemistry II
- CHEM 011 - General Chemistry Lab II
- CHEM 089 - Chemical Literature
  
- MATH 013 - Calculus with Elementary Functions I AND
- MATH 014 - Calculus with Elementary Functions II  
OR
- MATH 027 - Calculus I
  
- MATH 028 - Calculus II with Applications (see note regarding math below)  
OR
- MATH 038 - Calculus II (see note regarding math below)
  
- PHYSI 001 - Introduction to Physics I
- PHYSI 002 - Introduction to Physics I Laboratory
- PHYSI 003 - Introduction to Physics II
- PHYSI 004 - Introduction to Physics II Laboratory (preferred)  
OR
- PHYSI 010 - General Physics I
- PHYSI 10L (lab)
- PHYSI 011 - General Physics II
- PHYSI 11L (lab)

## In addition

- MATH 039 - Calculus III recommended for all majors, and especially recommended for B.S. majors and those considering attending graduate school in the sciences.

## Upper Division

The following upper-division courses are required for all three majors in chemistry:

- CHEM 104 - Organic Chemistry I
- CHEM 106 - Organic Chemistry II
- CHEM 130 - Advanced Inorganic Chemistry

## For the chemistry B.A. major, students must take

- CHEM 110 - Polymer and Supramolecular Chemistry
  
- CHEM 113 - Analytical Chemistry  
OR
- CHEM 118 - Instrumental Chemical Analysis
  
- CHEM 114 - Physical Chemistry I
- Two additional upper-division courses from Chemistry or Biochemistry

## Note

BIOL 135 may count as an upper-division course if BIOCHEM 101 or BIOL 102 are not taken. A combination of one to three CHEM 197/CHEM 199 courses that equal 1.0 or more credit can count for one upper division course.

\*Note regarding Math requirements: Exposure to multivariable calculus is recommended preparation for CHEM 114, and strongly recommended for students planning to attend graduate school in chemistry. Students learn the most multivariable calculus by taking MATH 013+MATH 014 or MATH 027, MATH 038, and MATH 039, and therefore this course of study is the preferred option. Students should learn a small amount of multivariable calculus by taking MATH 013+MATH 014 or MATH 027, and MATH 028, and this plan should be followed for students who will not take MATH 039.

\*Notes regarding prerequisites: (1) BIOCHEM 101 requires prerequisites of BIOL 001 OR strong high school preparation in biology and instructor approval. Students obtaining instructor approval to enroll in BIOCHEM 101 may waive BIOL 001 as a requirement for the BS major. (2) BIOL 135 requires BIOL 001 as a prerequisite, and students can obtain instructor permission to enroll in BIOL 135 without completing BIOL 002.

## Chemistry, BS

### Lower Division

The following lower-division courses are required for the three majors in chemistry:

- CHEM 008 - General Chemistry I
- CHEM 009 - General Chemistry Lab I
- CHEM 010 - General Chemistry II
- CHEM 011 - General Chemistry Lab II
- CHEM 089 - Chemical Literature
  
- MATH 013 - Calculus with Elementary Functions I AND
- MATH 014 - Calculus with Elementary Functions II
- OR
- MATH 027 - Calculus I
  
- MATH 028 - Calculus II with Applications (see note regarding math below)
- OR
- MATH 038 - Calculus II (see note regarding math below)
  
- PHYSI 001 - Introduction to Physics I
- PHYSI 002 - Introduction to Physics I Laboratory
- PHYSI 003 - Introduction to Physics II
- PHYSI 004 - Introduction to Physics II Laboratory (preferred)
- OR
- PHYSI 010 - General Physics I
- PHYSI 10L (lab)
- PHYSI 011 - General Physics II
- PHYSI 11L (lab)

## In addition

- MATH 039 - Calculus III recommended for all majors, and especially recommended for B.S. majors and those considering attending graduate school in the sciences.

## For the chemistry B.S. major, students must also take

- BIOL 001 - Introduction to Cell Biology, Molecular Biology and Biochemistry
- BIOL 001L - Introductory Biology for Majors: Cell and Molecular Biology Laboratory please see the note regarding prerequisites below.

## Upper Division

The following upper-division courses are required for all three majors in chemistry:

- CHEM 104 - Organic Chemistry I
- CHEM 106 - Organic Chemistry II
- CHEM 130 - Advanced Inorganic Chemistry

## For the chemistry B.S. major, students must take

- CHEM 110 - Polymer and Supramolecular Chemistry
- CHEM 113 - Analytical Chemistry
- CHEM 114 - Physical Chemistry I
- CHEM 115 - Physical Chemistry II
- CHEM 118 - Instrumental Chemical Analysis
- BIOCHEM 101 - Structural and Physical Biochemistry  
OR
- BIOL 135 - Biochemistry (see note regarding prerequisites below)

## Students also take one additional upper-division course in Chemistry:

- CHEM 111 - Advanced Organic Chemistry
- CHEM 119 - Environmental Chemistry
- CHEM 197 - Special Study
- CHEM 199 - Special Study - Honors

## Note

A combination of one to three CHEM 197/CHEM 199 courses that equal 1.0 or more credit can count for one upper division course.

Students may not receive credit for both CHEM 114 and CHEM 138.

\*Note regarding Math requirements: Exposure to multivariable calculus is recommended preparation for CHEM 114, and strongly recommended for students planning to attend graduate school in chemistry. Students learn the most multivariable calculus by taking MATH 013+MATH 014 or MATH 027, MATH 038, and MATH 039, and therefore

this course of study is the preferred option. Students should learn a small amount of multivariable calculus by taking MATH 013+MATH 014 or MATH 027, and MATH 028, and this plan should be followed for students who will not take MATH 039.

\*Notes regarding prerequisites: (1) BIOCHEM 101 requires prerequisites of BIOL 001 OR strong high school preparation in biology and instructor approval. Students obtaining instructor approval to enroll in BIOCHEM 101 may waive BIOL 001 as a requirement for the BS major. (2) BIOL 135 requires BIOL 001 as a prerequisite, and students can obtain instructor permission to enroll in BIOL 135 without completing BIOL 002.

## Chemistry, Environmental Concentration, BS

### Lower Division

The following lower-division courses are required for the three majors in chemistry:

- CHEM 008 - General Chemistry I
- CHEM 009 - General Chemistry Lab I
- CHEM 010 - General Chemistry II
- CHEM 011 - General Chemistry Lab II
- CHEM 089 - Chemical Literature
  
- MATH 013 - Calculus with Elementary Functions I AND
- MATH 014 - Calculus with Elementary Functions II
- OR
- MATH 027 - Calculus I
  
- MATH 028 - Calculus II with Applications (see note regarding math below)
- OR
- MATH 038 - Calculus II (see note regarding math below)
  
- PHYSI 001 - Introduction to Physics I
- PHYSI 002 - Introduction to Physics I Laboratory
- PHYSI 003 - Introduction to Physics II
- PHYSI 004 - Introduction to Physics II Laboratory (preferred)
- OR
- PHYSI 010 - General Physics I
- PHYSI 10L (lab)
- PHYSI 011 - General Physics II
- PHYSI 11L (lab)

### In addition

- MATH 039 - Calculus III recommended for all majors, and especially recommended for B.S. majors and those considering attending graduate school in the sciences.

For the chemistry major-environmental concentration, students must also take:

- BIOL 001 - Introduction to Cell Biology, Molecular Biology and Biochemistry
- BIOL 001L - Introductory Biology for Majors: Cell and Molecular Biology Laboratory
- BIOL 002 - Introductory Biology for Majors: Organisms and Evolution
- BIOL 002L - Organisms and Evolution Laboratory

## Upper Division

The following upper-division courses are required for all three majors in chemistry:

- CHEM 104 - Organic Chemistry I
- CHEM 106 - Organic Chemistry II
- CHEM 130 - Advanced Inorganic Chemistry

## For the environmental concentration, students must take

- CHEM 113 - Analytical Chemistry  
OR
- CHEM 118 - Instrumental Chemical Analysis
- CHEM 114 - Physical Chemistry I
- CHEM 115 - Physical Chemistry II
- CHEM 119 - Environmental Chemistry
- and one other upper division chemistry course

## Also required are

- BIOL 125 - General Ecology
- BIOL 113 - Aquatic/Marine Biology  
OR
- BIOL 146 - Plant Ecophysiology  
OR
- BIOL 152 - Conservation Science

## Note

Students may not receive credit for both CHEM 114 and CHEM 138.

\*Note regarding Math requirements: Exposure to multivariable calculus is recommended preparation for CHEM 114, and strongly recommended for students planning to attend graduate school in chemistry. Students learn the most multivariable calculus by taking MATH 013+MATH 014 or MATH 027, MATH 038, and MATH 039, and therefore this course of study is the preferred option. Students should learn a small amount of multivariable calculus by taking MATH 013+MATH 014 or MATH 027, and MATH 028, and this plan should be followed for students who will not take MATH 039.

\*Notes regarding prerequisites: (1) BIOCHEM 101 requires prerequisites of BIOL 001 OR strong high school preparation in biology and instructor approval. Students obtaining instructor approval to enroll in BIOCHEM 101 may waive BIOL 001 as a requirement for the BS major. (2) BIOL 135 requires BIOL 001 as a prerequisite, and students can obtain instructor permission to enroll in BIOL 135 without completing BIOL 002.

## Chemistry Minor

### Minor Requirements

The minor in chemistry requires

- CHEM 008 - General Chemistry I
- CHEM 009 - General Chemistry Lab I
- CHEM 010 - General Chemistry II
- CHEM 011 - General Chemistry Lab II AND
- Any three upper-division chemistry courses beyond CHEM 104.

## Classical Languages

The ancient Greeks and Romans left a legacy of values and ideas that continue to inform the way we view the changing world around us. The Classical Languages department enables students to go beyond the translations and engage directly with the extant Greek and Roman texts, while at the same time acquiring knowledge about their context. In this way, students can attain a clearer understanding of the Greco-Roman component in modern-day world views as they continue to reflect on the universal human condition.

Whether you major in Classics or not, the linguistic approaches and strategies you will develop with us are highly transferable. Familiarity with the etymology of the Greek and Latin roots in English makes the study of science much more effective. There is no better preparation for the pitfalls of legalese than the meticulous, logical approach to Greek and Latin texts. Students who plan to enter graduate studies in Classics, philosophy, art history, theology, archaeology, etc., will be able to satisfy one or more of the language requirements in those programs. No matter what career you choose, students tell us, the overall cultural enrichment you get along the way is one of the great benefits of Classical Studies.

Classical Languages majors write a Senior Thesis based on one of their upper division courses on a major author.

## Faculty

**Michael Riley, PhD**, *Professor, Chair*

## Learning Outcomes

Our focus is on your learning. We actively communicate with you in the course of your studies. We rely on your input as you progress toward linguistic proficiency in Greek and/or Latin.

Upon successful completion of the ELEMENTARY LATIN/GREEK SEQUENCES, you will be able to:

- Engage in simple interactions in Latin and/or ancient Greek;
- Read and understand simple texts with the help of dictionaries and textbook materials;
- Translate simple English sentences into idiomatic Latin and/or Greek;
- Develop a stable understanding of grammar as a vehicle for logic;
- Acquire reliable strategies for approaching sentences in both Latin/Greek and English;

- Begin to develop strategies for sight-reading Latin and/or Greek texts (without the help of dictionaries and textbook materials); and
- Understand the basic cultural, historical, political, philosophical and mythological background of the texts you read.

Upon successful completion of the INTERMEDIATE LATIN/GREEK SEQUENCES, you will be able to:

- Engage in more complex interactions in Latin and/or ancient Greek;
- Read relatively complex texts with occasional help from dictionaries and textbook materials;
- Sight-read basic texts;
- Distinguish between writers' styles and develop specific reading strategies for dealing with each author;
- Translate sentences into idiomatic Latin and/or Greek in a specific writer's style;
- Appreciate the metric and rhythm of Greek and Roman poetry;
- Discuss the cultural, historical, political, philosophical and mythological background of the texts you read;
- Understand the logical and rhetorical complexities of ancient texts;
- Appreciate the creative distortions inevitable in translation; and
- Perform basic evaluation of selected official translations from Latin and Greek.

UPPER-DIVISION COURSES IN LATIN AND /OR GREEK hone the intermediate skills you've acquired:

- Your reactions to the linguistic aspects of the Latin/Greek text should become more or less automatic;
- You will sight-read most Latin and Greek texts;
- You will be able to read some very difficult texts without losing sight of their non-linguistic dimensions; and
- Your proficiency in analyzing the hidden dimensions of any text-English or ancient-will increase dramatically, along with your expanded vocabulary and interpretive sophistication.

## Major Requirements

### Lower Division Classics Major

By arrangement.

### Classical Studies Minor Requirements

The Classical Studies minor is an interdisciplinary approach to the study of the literature, history, and art of the ancient Greeks and Romans and their influence from antiquity up to the present. The minor is open to all undergraduates. The minor is rooted in the study of the texts, ranging from the Homeric poems of the archaic Greek period to the works of St. Augustine in the fourth century C.E. Offered by the Classical Languages Department the Minor provides students opportunities to be part of a large and thriving classics community, to conduct collaborative research, and study abroad through the College's programs in Rome.

## Learning Outcomes

1. Understanding the basic cultural, historical, political, philosophical and mythological backgrounds of ancient literature
2. Capacity for disciplined examination and discussion of fundamental ideas and questions, as treated or suggested by some of the great written texts
3. Proficiency in analyzing the hidden dimensions of any text-English or ancient-will increase dramatically, along with expanded vocabulary and interpretive sophistication.

4. Ability for close reading and listening, for precise verbal formulations of questions, distinctions, concepts, arguments, and judgments, and facility at addressing and responding to classmates' like contributions; and
5. Well-developed competence in written formulation of questions, distinctions, concepts, arguments, and judgments.

## Requirements

Students must complete 6 courses which may be double-counted towards core curriculum requirements. The lower-division entry course, a comprehensive introduction to the Greek and Roman civilization is required. At least five courses must be upper-division. Students may elect in any order five of these courses. Upper-division Greek and Latin courses can also to meet the minor requirements. Upper-division RILA courses can also be used to fulfill the requirement. Integral students can also use INTEG 113 and INTEG 133 (Ancient mathematics and mathematical cosmology) to meet these requirements. Some listed courses have a prerequisite or require instructor's permission. January Term courses do not count towards the minor requirements.

## Prerequisite Grade

*Any course listed in this department with a prerequisite assumes a grade of C- or better in the prerequisite course.*

## Classical Languages, BA

### Lower Division Classics Major

By Arrangement.

- GREEK 001 - Elementary Greek
- GREEK 002 - Elementary Greek
- GREEK 003 - Intermediate Greek
- GREEK 004 - Intermediate Greek

**OR**

- LATIN 001 - Elementary Latin
- LATIN 002 - Elementary Latin
- LATIN 003 - Intermediate Latin
- LATIN 004 - Intermediate Latin

### Upper Division Classics Major

*Choose eight upper-division courses combining study of Latin and Greek.*

- GREEK 101 - Plato
- GREEK 102 - Homer
- GREEK 103 - Greek Historians
- GREEK 105 - Greek Orators
- GREEK 106 - Greek Dramatists
- GREEK 107 - Aristotle
- GREEK 110 - New Testament Greek



- GREEK 115 - Greek Lyric Poets
- GREEK 199 - Special Study - Honors
- LATIN 102 - Roman Historians
- LATIN 103 - Patristic Latin
- LATIN 104 - Roman Comedy
- LATIN 108 - Horace
- LATIN 109 - Roman Law
- LATIN 110 - Virgil
- LATIN 199 - Special Study - Honors

## Classical Languages, Greek, BA

### Lower Division

- GREEK 001 - Elementary Greek
- GREEK 002 - Elementary Greek
- GREEK 003 - Intermediate Greek
- GREEK 004 - Intermediate Greek

\*\* INTEG 051 & 052, INTEG 053 & 054 may substitute for Greek.

### Upper Division

*Choose eight upper-division courses focused on Greek*

- GREEK 101 - Plato
- GREEK 102 - Homer
- GREEK 103 - Greek Historians
- GREEK 105 - Greek Orators
- GREEK 106 - Greek Dramatists
- GREEK 107 - Aristotle
- GREEK 110 - New Testament Greek
- GREEK 115 - Greek Lyric Poets
- GREEK 199 - Special Study - Honors

## Classical Languages, Latin, BA

### Lower Division

- LATIN 001 - Elementary Latin
- LATIN 002 - Elementary Latin
- LATIN 003 - Intermediate Latin
- LATIN 004 - Intermediate Latin

## Upper Division

*Choose eight upper-division courses focused on Latin.*

- LATIN 101 - Cicero
- LATIN 102 - Roman Historians
- LATIN 103 - Patristic Latin
- LATIN 104 - Roman Comedy
- LATIN 108 - Horace
- LATIN 109 - Roman Law
- LATIN 110 - Virgil
- LATIN 199 - Special Study - Honors

## Classical Studies Minor

### Minor Requirements

Students must complete 6 courses which may be double-counted towards core curriculum requirements. The lower-division entry course, a comprehensive introduction to the Greek and Roman civilization, is required. At least five courses must be upper-division. Students may elect in any order five of these courses. Upper-division Greek and Latin courses can also be used to meet the minor requirements. Upper-division RILA courses can also be used to fulfill the requirement. Integral students can also use INTEG 113 Seminar and INTEG 133 Sophomore Mathematics (Ancient mathematics and mathematical cosmology) to meet these requirements. Some listed courses have a prerequisite or require instructor's permission. January Term courses do not count towards the minor requirements.

- CLSL 002 - Greece and Rome: Golden Times

## Upper Division

Please select any five of the following upper division courses

### Classical Languages Upper Division

- CLSL 100 - Classical Mythology
- TRS 101 - Origins of Christianity
- ENGL 141 - Studies in Medieval Literature
- ENGL 142 - Studies in Renaissance and 17th-Century Literature
- HIST 111 - The Birth of Europe

### Greek Upper Division

- GREEK 101 - Plato
- GREEK 102 - Homer
- GREEK 103 - Greek Historians
- GREEK 105 - Greek Orators
- GREEK 106 - Greek Dramatists
- GREEK 107 - Aristotle

- GREEK 110 - New Testament Greek
- GREEK 115 - Greek Lyric Poets
- GREEK 199 - Special Study - Honors

## Latin Upper Division

- LATIN 101 - Cicero
- LATIN 102 - Roman Historians
- LATIN 103 - Patristic Latin
- LATIN 104 - Roman Comedy
- LATIN 108 - Horace
- LATIN 109 - Roman Law
- LATIN 110 - Virgil
- LATIN 199 - Special Study - Honors

## Greek Minor

### Minor Requirements

*The minor in Greek requires*

- GREEK 101 - Plato
- GREEK 102 - Homer
- GREEK 106 - Greek Dramatists AND
- Two electives in Greek

## Latin Minor

### Minor Requirements

*The minor in Latin requires*

- LATIN 101 - Cicero
- LATIN 102 - Roman Historians
- LATIN 110 - Virgil AND
- Two electives in Latin

## Collegiate Seminar

In their four Collegiate Seminar classes, Saint Mary's students and faculty, through reading and discussion, explore the great writings that have shaped the thought and imagination of the Western world. In Seminar, students develop skills of analysis through critical reading, critical thinking, thoughtful interpretation and respectful communication. Over time, through this process, they learn to read and discuss important texts with increased understanding and enjoyment.

Classes meet around a seminar table in small groups so that each person can participate actively in the discussion. The faculty discussion leader poses questions about the texts to challenge the students to develop, through the process of

Careful reading and discussion, defensible interpretations of their own. Students state opinions and uncover assumptions; they present evidence to support their positions or to defend them against objections; they respond to other students' views, developing points in greater detail, exploring contradictions and ambiguities. Working together in a spirit of cooperation, students learn to reflect upon and refine their ideas. In addition, through substantial writing assignments, students deepen their inquiries into the texts, developing theses supported by cogent analysis based on textual evidence. Their experience with discussion and writing develop skills that Saint Mary's students use throughout their lives.

Entering transfer students enroll in SEM 102 and take SEM 103 and SEM 104 thereafter.

Students matriculating as first-years are subject to the College's Core Curriculum requirements (see Program of Study). Collegiate Seminar courses comprise a substantial portion of the Habits of Mind requirements. Students are required to take SEM 001, SEM 002, SEM 103, and SEM 104, as follows: SEM 001 in Spring of the first year, SEM 002 in Fall of the second year, SEM 103 in either long semester of the third year, and SEM 104 in either long semester of the fourth year.

## Collegiate Seminar Governing Board

The Collegiate Seminar Governing Board consists of elected representatives from each school, and ex officio members from The Center for Writing Across the Curriculum, the Christian Brothers, the students, the LEAP and BALOS programs and from the contingent faculty.

## Collegiate Seminar Vision Statement

Collegiate Seminar seeks to engage Saint Mary's students in a critical and collaborative encounter with the world of ideas as expressed in great texts of the Western tradition in dialogue with and exposure to its encounter with other traditions. Thereby students become part of the Great Conversation. The Program seeks to help them develop as curious, thoughtful members of an intellectual community. Designed to serve the College's goals of a liberal education, the Program strives to put students in possession of their powers to think clearly, critically and collaboratively, and articulate their ideas effectively—powers that will serve them for the rest of their lives.

## Goals of the Collegiate Seminar

Collegiate Seminar fosters a genuine sense of collegiality and intellectual community by providing an authentic forum for students to meet and partake of a common experience—the reading and discussion of shared texts under the guidance of faculty from all disciplines. Its participants engage in collaborative dialogue with texts whose ideas shape our world. Through careful reading, shared inquiry, and writing, students improve their skills of analysis and communication. During this process students will develop increased appreciation for these great ideas, and grow in their intellectual curiosity, becoming life-long learners and thinkers. Students will be exposed to a variety of ways of knowing, encouraged in their search for meaning, and learn to accept ambiguity while aiming for clarity.

## Learning Outcomes

**Seminar Specific Learning Outcomes:** As a result of their participation in Collegiate Seminar, students will grow in their ability to:

1. Understand, analyze, and evaluate challenging texts from different genres and periods.
2. Comprehend the intellectual threads that connect works both backward and forward through history.
3. Relate the works studied to their own experience and to notions of authentic humanity.

4. Reflect on prior knowledge and assess one's own process of learning.

## Critical Thinking

Critical thinking within Seminar is grounded on the processes of analysis, synthesis and evaluation necessary to read with understanding. Through careful reading, listening, and reflection, which lead to a solid understanding of the texts, critical thinking allows students to make perceptive insights and connections between texts, Seminars and ultimately their life experiences. Critical thinking within Seminar also includes skills that allow for sound judgments to be made when multiple, competing viewpoints are possible. Seminar is a place where reading critically is transformed and integrated into a habit of mind, providing students with the tools to question the authority of the text and the foundations of their own assumptions. In short, critical thinking allows students to recognize, formulate and pursue meaningful questions, which are not only factual but also interpretive and evaluative, about the ideas of others as well as their own.

**Critical Thinking Learning Outcomes:** As a result of their participation in Collegiate Seminar, students will grow in their ability to:

1. Distinguish the multiple senses of a text (literal and beyond the literal).
2. Identify and understand assumptions, theses, and arguments that exist in the work of authors.
3. Evaluate and synthesize evidence in order to draw conclusions consistent with the text. Seek and identify confirming and opposing evidence relevant to original and existing theses.
4. Ask meaningful questions and originate plausible theses.
5. Critique and question the authority of texts, and explore the implications of those texts.

## Written and Oral Communication

A mind is not truly liberated until it can effectively communicate what it knows. Thus Collegiate Seminar seeks to develop strong written and oral communication skills in its students. Students will develop skills that demonstrate an understanding of the power of language to shape thought and experience. They will learn to write and speak logically, with clarity, and with originality, and grow in their intellectual curiosity through the process of writing.

**Written and Oral Communication Learning Outcomes:** As a result of their participation in Collegiate Seminar, students will grow in their ability to:

1. Recognize and compose readable prose, as characterized by clear and careful organization, coherent paragraphs and well-constructed sentences that employ the conventions of Standard Written English and appropriate diction.
2. Recognize and formulate effective written and oral communication, giving appropriate consideration to audience, context, format, and textual evidence.
3. Analyze arguments so as to construct ones that are well supported (with appropriate use of textual evidence), are well reasoned, and are controlled by a thesis or exploratory question.
4. Use discussion and the process of writing to enhance intellectual discovery and unravel complexities of thought.

## Shared Inquiry

Shared inquiry is the act of reasoning together about common texts, questions, and problems. It is a goal of Collegiate Seminar to advance students' abilities to develop and pursue meaningful questions in collaboration with others, even in the context of confusion, paradox, and/or disagreement. Through the habits of shared inquiry students will carefully

consider and understand the perspectives and reasoned opinions of others, reconsider their own opinions, and develop rhetorical skills.

**Shared Inquiry Learning Outcomes:** As a result of their participation in Collegiate Seminar, students will grow in their ability to:

1. Advance probing questions about a common text or other objects of study.
2. Pursue new and enriched understandings of the texts through sustained collaborative inquiry.
3. Reevaluate initial hypotheses in light of evidence and collaborative discussion with the goal of making considered judgments.
4. Engage in reflective listening and inclusive, respectful conversation.

## Communication

The Department of Communication embraces the mission of Saint Mary's College to instill a liberal arts, Catholic, and Lasallian character through curriculum that identifies the process of communication as a primary means by which we construct social reality, recognize and analyze social processes, and affect social change. The study of Communication is complex and interdisciplinary, incorporating rhetoric, social sciences, cultural studies, and film and media studies. Students studying communication will engage in ethical and systematic inquiry into a broad range of areas, including relational and intercultural communication, new media and digital culture, mass and alternative media, organizational communication, visual studies, ethics, and international communication. Students will also learn to express their inquiry in research, media production, and other forms of public communication such as advertising, public relations campaigns, and journalism.

The Communication curriculum is both conceptual and applied with core courses preparing students for in-depth exploration of one of two tracks centered around the kinds of communicative roles students aspire to upon graduation: Media Maker or Communication Strategist. The core courses common to both tracks highlight oral, written, and media communication competencies, as well as research design and project management skills. The Media Maker track is for students interested in examining processes of media communication, especially media production. This track balances critical, analytical, and theoretical approaches to the study of media with hands-on media production training, culminating in a media-focused Capstone project. The Media Maker track provides students with competencies in media production, especially visual design, cinema and video, and digital media. The Communication Strategist track is for students interested in examining the processes of meaning making through communication and its impact on human psychology, emotions, and relationships in various contexts including workplace, groups and teams, and other forms of relationships. This track emphasizes the application of quantitative and qualitative data collection and analysis and communication theories to the production of ethical and strategic plans for effective communication in various contexts, and culminates in a data-driven research Capstone. The Communication Strategist track provides students with competencies in qualitative and quantitative data analysis.

## Faculty

**Ellen Rigsby, PhD, Professor, Chair**  
**Shawny Anderson, PhD, Associate Professor**  
**Veronica Hefner, PhD, Assistant Professor**  
**Makiko Imamura, PhD, Professor**  
**Jason Jakaitis, MFA, Assistant Professor**  
**Samantha Joyce, Associate Professor**  
**Dan Leopard, MFA, PhD, Associate Professor**  
**Aaron Sachowitz, PhD, Associate Professor**  
**Scott Schönfeldt-Aultman, PhD, Professor**  
**Edward E. Tywoniak, MFA, EdD, Professor Emeritus**

## Learning Outcomes

*By the time they graduate, students should be able to:*

- DESCRIBE the Communication discipline and its central questions
- EMPLOY communication theories, perspectives, principles, and concepts
- ENGAGE in communication inquiry
- CREATE messages appropriate to the audience, purpose, and context
- Critically ANALYZE messages
- DEMONSTRATE the ability to accomplish communicative goals (self-efficacy)
- APPLY ethical communication principles and practices
- UTILIZE communication to embrace difference
- INFLUENCE public discourse

## Major Requirements

Students who major in communication take a total of 11 full credit courses and one quarter credit course. Five and a quarter of the courses are shared between the two tracks and the remaining six are specific to each track (two required and four electives).

## Minor Requirements

Students who minor in communication take a total of six courses, three of which are required plus three electives. Of the three electives, one must be an upper-division application course denoted by the word "Application" after the title.

## Prerequisite Grade

*Any course listed in this department with a prerequisite assumes a grade of C- or better in the prerequisite course.*

## Minor in Cinematic Arts

The Cinematic Arts Minor combines the critical analysis and creative production of the moving image art form, ranging from time-based film and video to new media art. The courses emphasize technical fundamentals and conceptualization, creative experimentation and critical thinking, and personal expression and social responsibility. A hybrid instructional approach for several of the courses integrates critical analysis and creative production in order to encourage students to analyze as well as to produce the moving image art form as an engaged critical practice.

Students minoring in Cinematic Arts take six courses from the disciplines of Art, Communication, English, Anthropology, and World Languages and Cultures. Beyond the coursework, an internship elective (ART 193) provides a hands-on experience that can include assisting with a film exhibition, working as an assistant with a faculty filmmaker or researcher, and other options. (This program is coordinated with the Art and Art History Department and is cross-listed with their section of the course catalog).

## Learning Outcomes

*Students completing the Minor in Cinematic Arts will be able to:*

- Plan, shoot, edit a finished film or video art project.
- Contextualize moving image artworks within a broader cultural, historical, and political framework.
- Utilize critical-theoretical concepts as a springboard to develop a film or video art project.
- Write a concept statement articulating the aims, influences, and process associated with their own production work.
- Write an extended critical essay integrating research, analysis, and interpretation of cinematic works of art.

## Matriculation Pattern

Total Requirement (six courses)

Required Core (four courses)

## Minor in Digital Studies

The idea for a minor in Digital Studies within the School of Liberal Arts grew out of the recognition that the dramatic change brought about by the digital revolution in areas such as communication, culture, art, commerce, and education necessitated a more formal lens of investigation of the contemporary world. Foundational to this conversation is the very question itself of the role of the liberal arts in the 21st century, including the signature hallmarks of a liberal education—critical thinking, collaborative inquiry, and the ability to effectively communicate.

The Digital Studies minor is open to all students. The program's curriculum provides the requisite tools for critical analysis of how "the digital" frames human discourse, while simultaneously developing a technical understanding of how digital media and content are produced and delivered in order to prepare students for careers in the technology sector.

## Learning Outcomes

*Students completing the Minor in Digital Studies will be able to:*

- Ability to analyze the digital environment toward the end of becoming a digital citizen 2.
- Ability to analyze the digital environment (technically and culturally) through shared inquiry and collaborative learning
- Ability to understand and utilize digital media production tools (video, audio, images, graphics, interactivity) 4.
- Ability to understand and utilize principles of digital programming (HTML5, CSS5, and Python)
- Ability to understand and utilize project management tools and skills toward the creation of digital artifacts
- Ability to understand and utilize critical thinking for the analysis of digital information and its application in the contemporary age
- Ability to produce and conceptualize through assignments and activities digital bases art within a critical-theoretical framework
- Ability to investigate through assignments and activities digital concepts within historical cultural and societal contexts
- Ability to investigate through assignments and activities the dialogic relationships between digital culture and technology
- Ability to investigate and analyze through assignments and activities the attributes and the effects of "big data" on culture and society, and develop skills and strategies for effective data management.



# Matriculation Pattern

**Total Requirement** (five courses and four .25 credit labs)

**Required Core** (three courses and four .25 credit labs)

## Communication, Communication Strategist Track, BA

### Communication Core

#### Lower Division

- COMM 002 - Introduction to Media and Cultural Studies
- COMM 003 - Introduction to Human Communication
- COMM 010 - Rhetoric and Public Discourse

#### Upper Division

- COMM 100 - Communication Theory
- COMM 195 - Internship (.25)
- COMM 196 - Senior Capstone

#### Upper Division Requirements

- COMM 110 - Quantitative Methods
- COMM 111 - Qualitative Methods

#### Upper Division Electives

Any four (4) courses:

- COMM 105 - International Communication
- COMM 106 - Intercultural Communication
- COMM 107 - Political Communication
- COMM 112 - Interpersonal Communication
- COMM 113 - Rhetorical Criticism
- COMM 116 - Advertising and Civic Engagement
- COMM 117 - Public Relations
- COMM 118 - Communication Policy and Law
- COMM 122 - American Journalism
- COMM 123 - Sports Journalism
- COMM 147 - Persuasion
- COMM 170 - Group Facilitation and Leadership
- COMM 161 - Communication and Social Justice
- COMM 163 - Seminar in Special Topics

# **Communication, Media Maker Track, BA**

## **Communication Core**

### **Lower Division**

- COMM 002 - Introduction to Media and Cultural Studies
- COMM 003 - Introduction to Human Communication
- COMM 010 - Rhetoric and Public Discourse

### **Upper Division**

- COMM 100 - Communication Theory
- COMM 195 - Internship (.25)
- COMM 196 - Senior Capstone

### **Upper Division Requirements**

- COMM 125 - Media Technologies and Culture
- COMM 126 - Visual Research Methods

### **Upper Division Electives**

Any four (4) courses:

- COMM 104 - Understanding Digital Culture
- COMM 109 - Visual Communication
- COMM 116 - Advertising and Civic Engagement
- COMM 117 - Public Relations
- COMM 122 - American Journalism
- COMM 123 - Sports Journalism
- COMM 132 - Audio Production
- COMM 133 - Video Production
- COMM 143 - Advanced Media Production I
- COMM 144 - Advanced Media Production II
- COMM 158 - Film
- COMM 161 - Communication and Social Justice
- COMM 163 - Seminar in Special Topics

## **Cinematic Arts Minor**

### **Lower Division**

- ART 055 - Digital Art: Photo, Video and Sound

## Upper Division

- ART 155 - Experimental Film/Video
- COMM 125 - Media Technologies and Culture
- COMM 158 - Film

## Electives

(Choose two)

- ANTH 120 - Visual Anthropology
- ART 195 - Academic Internship
- ATC 080 - Art Theory
- ATC 111 - Philosophy of New Media Art
- COMM 109 - Visual Communication
- COMM 133 - Video Production
  
- ENGL 125 - Film  
OR
- ENGL 126 - Topics in Film
  
- WLC 126 - Film \*

## Note

\* Before enrolling in WLC 126, students should contact the instructor regarding a possible foreign language requirement. This requirement varies depending on the section being offered in a given semester.

## Communication Minor

### Core Courses

#### Lower division

- COMM 002 - Introduction to Media and Cultural Studies
- COMM 003 - Introduction to Human Communication

#### Upper division

- COMM 100 - Communication Theory

### Plus, three upper-division electives

One of which is an application course

## Digital Studies Minor

# Matriculation Pattern

**Total Requirement** (five courses and four .25 credit labs)

**Required Core** (three courses and four .25 credit labs)

## Lower Division

- MA/CS 002 - Digital Literacy, Introduction to Web Design

## Upper Division

- COMM 104 - Understanding Digital Culture
- COMM 143 - Advanced Media Production I
- COMM 190 - Communication Practicum [4 required]

## Electives

(CHOOSE TWO)

- ART 155 - Experimental Film/Video
- COMM 109 - Visual Communication
- COMM 125 - Media Technologies and Culture
- COMM 133 - Video Production

# Data Science

The Data Science Major focuses on the analytical tools and critical thinking skills necessary to extract knowledge and insights from massive data sets, and to use these to solve such problems as adapting organizations to a world of big data, helping communities become more sustainable, and identifying threats in digital infrastructures. Students develop theoretical and practical knowledge to analyze data sets, present the data in a meaningful way, and facilitate actionable decisions. The program leverages the Bay Area's culture of innovation and technical advancements to give students hands-on experience and the opportunity to learn from the industry leaders who visit campus, teach courses, and discuss career paths.

## Faculty

**Ahmed Ahmadein, PhD**, *Assistant Professor*

**Noha Elfiky, PhD**, *Associate Professor*

**Rui Guo**, *Assistant Professor*

**Linda Herkenhoff, PhD**, *Professor Ameer*

**Ibrahim, PhD**, *Associate Professor Anh*

**Nguyen, PhD**, *Associate Professor*

**Wenting Pan, PhD**, *Associate Professor, Business Analytics Department Chair*

**Navid Sabbaghi**, *Associate Professor*

## Program Learning Goals

- Develop in-depth understanding of data science tools and techniques;
- Extract insights from big data to solve problems in real-world contexts and communicate these solutions effectively;
- Demonstrate proficiency in programming languages and knowledge of software tools for analytics.

## Data Science, BS

### Math Core

- MATH 027 - Calculus I
- MATH 038 - Calculus II
- MATH 120 - Linear Algebra with Applications

### Technical Core

- DATA 040 - Business Statistics
- MA/CS 021 - Programming I
- DATA 100 - Probability for Data Science
- DATA 137 - Advanced Quantitative Methods

### Skills Core

- DATA 138 - Database Programming for Data Analytics
- DATA 139 - Big Data and Machine Learning
- DATA 140 - Data Visualization

### Upper Division Electives (3)

- **Three (3) credits of upper-division electives. Electives lists will be updated annually by the department.**  
Shared prerequisites: DATA 040, MA/CS 021. Some courses will have additional prerequisites.

Sample topics are: • Data Science for Social Good • AI Ethics • Algorithm for Machine Learning • Analytics for Sustainability • Cyber-security/Anomaly Detection • Computational Economics • Computer Vision • HR and People Analytics • Introduction to Sentiment Analysis/Natural Language Processing • Education Analytics/Learning Analytics • Reinforcement Learning • Math Modeling

### Capstone

- DATA 196 - Capstone

## Data Science Minor

### Minor Requirements

The minor in data science requires the successful completion of six courses:

- MA/CS 021 - Programming I
- DATA 137 - Advanced Quantitative Methods
- DATA 138 - Database Programming for Data Analytics
- DATA 139 - Big Data and Machine Learning
- DATA 140 - Data Visualization

Statistics, one of:

- DATA 040 - Business Statistics
- MATH 004 - Introduction to Probability and Statistics
- MATH 113 - Probability and Statistics
- PSYCH 103 - Psychological Methods and Analysis II

## Economics

Why do some countries prosper while others do not? Who benefits from increasing country wealth? How? These basic questions motivated the first economists some two centuries ago and continue to be at the core of what economists do. They have also gone far beyond the initial questions while seeking to explain a wide range of human behaviors. Modern economics has thereby become a practical, mature social science offering interesting career paths in business and government. The economic way of thinking about human behavior-as taught in our degree programs-also provides essential support to the College liberal arts mission and is a valued part of the educational experience offered at Saint Mary's.

The major in economics leads to either a Bachelor of Science (BS) or a Bachelor of Arts (BA) degree. The BS major is a quantitatively oriented program that provides excellent preparation for graduate studies and careers in economics or business administration. The BA major is a social science-oriented program that is ideal for students planning professional studies and/or careers in law, teaching, business or the public or nonprofit sectors.

The regular BA and BS degrees offer a wide range of choice regarding which courses to take in the junior and senior years. Under each degree option, students may, however, choose an interdisciplinary concentration focusing on international and development issues or the sustainability challenges facing growing economies. Students choosing one of these concentrations should consult their advisor as early as possible, and normally no later than the beginning of their junior year, to discuss their academic and career plans.

All degree options are based on a rigorous core of economic theory and methods and the opportunity to use these to explore a wide range of applications, which may be combined with coursework in other disciplines. Throughout, the emphasis is on developing practical skills that can be used to address real world issues.

The economics minor is an excellent complement to many majors such as politics, history, mathematics, communication, accounting and business administration. The minor provides students with a core of economic theory and a sampling of the many fields of economics.

## Faculty

**William C. Lee, PhD**, *Professor, Chair*

**Roy E. Allen, PhD**, *Professor*

**Jackson A. Allison, PhD**, *Assistant Professor*

**Jerry J. Bodily, PhD**, *Professor Emeritus*

**Kristine L. Chase, PhD**, *Professor Emerita*  
**Andras Margitay-Becht, PhD**, *Associate Professor*  
**Anna Maximova, PhD**, *Assistant Professor*  
**Asbjorn Moseidjord, PhD**, *Professor*  
**Vilma Sielawa, PhD**, *Assistant Professor*  
**Andrew Williams, PhD**, *Professor Emeritus*

## Program Learning Goals

- Graduates will be effective economic analysts.
- Graduates will be able to apply economic theories.
- Graduates will have well developed critical thinking skills.
- Graduates will be able to analyze and interpret economic data.

## Internships

Students who want to combine study with practical experience in economics should contact the department chair and the SEBA Internship Coordinator in advance for information on a variety of opportunities available in both the private and public sectors. Course credit for internships may be available through enrollment in ECON 195.

## Honors

Majors and minors who maintain a GPA of 3.0 overall and 3.0 (3.25 for minors) in their economics courses will be considered for induction into and a lifetime membership in the Saint Mary's chapter of Omicron Delta Epsilon, the internationally recognized economics honors society.

## Minor Requirements

A student may earn only one minor in the School of Economics and Business Administration. The minor in economics requires successful completion of seven courses: Principles of Micro and Macro Economics (ECON 003 and ECON 004); Statistics (may be satisfied by DATA 040, or MATH 004 or MATH 113); Micro and Macro-Economic Theory (ECON 105 and ECON 106); and two additional full-credit upper-division economics courses.

Minors desiring a research experience in economics may include in their upper-division economics electives ECON 120 or (with the appropriate math and statistics prerequisites) ECON 141-ECON 142.

## Economics, BA

### Economics BA Core - Lower Division

- ECON 003 - Principles of Microeconomics
- ECON 004 - Principles of Macroeconomics
- ECON 020 - Data Management for Economists

Math, one of:

- MATH 003 - Finite Mathematics
- MATH 013 - Calculus with Elementary Functions I
- MATH 014 - Calculus with Elementary Functions II
- MATH 027 - Calculus I

### Calculus II, one of:

- MATH 028 - Calculus II with Applications
- MATH 038 - Calculus II

### Statistics, one of:

- DATA 040 - Business Statistics
- MATH 004 - Introduction to Probability and Statistics
- MATH 113 - Probability and Statistics

## Upper Division

- ECON 102 - Development of Economic Thought
- ECON 105 - Microeconomic Theory
- ECON 106 - Macroeconomic Theory
- ECON 120 - Research Seminar
- ECON 196 - Capstone AND
- Five additional full-credit upper-division courses in economics not to include ECON 199

## Upper Division Electives

- Five additional full-credit upper division courses in Economics, not to include ECON 199.
- An upper-division course from one of the following allied departments: Anthropology, History, Politics, or Sociology; or PHIL 113, PHIL 115, or PHIL 116. Students are strongly encouraged to choose a course that supports their capstone project.

## Economics, BS

### Economics BS Core - Lower Division

- ECON 003 - Principles of Microeconomics
- ECON 004 - Principles of Macroeconomics
- ECON 020 - Data Management for Economists

### Calculus I, one of:

- MATH 013 - Calculus with Elementary Functions I AND MATH 014 Calculus with Elementary Functions II
- MATH 027 - Calculus I



### Calculus II, one of:

- MATH 028 - Calculus II with Applications
- MATH 038 - Calculus II

### Statistics, one of:

- DATA 040 - Business Statistics
- MATH 004 - Introduction to Probability and Statistics
- MATH 113 - Probability and Statistics

### Upper Division

- ECON 102 - Development of Economic Thought
- ECON 105 - Microeconomic Theory
- ECON 106 - Macroeconomic Theory
- ECON 120 - Research Seminar
- ECON 141 - Methods of Quantitative Analysis
- ECON 142 - Methods of Quantitative Analysis
- ECON 196 - Capstone AND
- Three additional full-credit, upper-division courses in economics, not to include ECON 199

## **Economics, International and Development Concentration, BA**

### Economics BA Core - Lower Division

- ECON 003 - Principles of Microeconomics
- ECON 004 - Principles of Macroeconomics
- ECON 020 - Data Management for Economists

### Math, one of:

- MATH 003 - Finite Mathematics
- MATH 013 - Calculus with Elementary Functions I
- MATH 014 - Calculus with Elementary Functions II
- MATH 027 - Calculus I

### Calculus II, one of:

- MATH 028 - Calculus II with Applications
- MATH 038 - Calculus II

### Statistics, one of:

- DATA 040 - Business Statistics
- MATH 004 - Introduction to Probability and Statistics
- MATH 113 - Probability and Statistics

## Upper Division

- ECON 102 - Development of Economic Thought
- ECON 105 - Microeconomic Theory
- ECON 106 - Macroeconomic Theory
- ECON 120 - Research Seminar
- ECON 196 - Capstone

## Three of the following:

- ECON 111 - Economic History of the United States
- ECON 130 - Banking and Monetary Policy
- ECON 160 - Comparative Economics Systems
- ECON 190 - International Economics
- ECON 192 - Economic Development

## Two of the following:

- BUSAD 180 - Global Business
- ANTH 119 - Cultures of the Americas
- ANTH 121 - World Cultures
- ANTH 131 - Cultural Geography
- ANTH 134 - Issues in Globalization
- GRS 100 - Cultural Geography and Global Societies
- GRS 130 - Interdisciplinary Issues in Global Studies
- JCL 140 - The Global Community
- SOC 116 - Global Migration
- SOC 119 - Global Sociology
- OR
- An upper division course from the Politics or History Departments dealing with issues relevant to the student's semester abroad experience as approved by the Economics Department.

## One semester study abroad

Students are encouraged to plan the timing of their study abroad carefully to avoid conflict with the offering of required classes.

# Economics, International and Development Concentration, BS

## Economics BS Core - Lower Division

- ECON 003 - Principles of Microeconomics

- ECON 004 - Principles of Macroeconomics
- ECON 020 - Data Management for Economists

### Calculus I, one of:

- MATH 013 - Calculus with Elementary Functions I AND MATH 014 Calculus with Elementary Functions II
- MATH 027 - Calculus I

### Calculus II, one of:

- MATH 028 - Calculus II with Applications
- MATH 038 - Calculus II

### Statistics, one of:

- DATA 040 - Business Statistics
- MATH 004 - Introduction to Probability and Statistics
- MATH 113 - Probability and Statistics

### Upper Division

- ECON 102 - Development of Economic Thought
- ECON 105 - Microeconomic Theory
- ECON 106 - Macroeconomic Theory
- ECON 120 - Research Seminar
- ECON 141 - Methods of Quantitative Analysis
- ECON 142 - Methods of Quantitative Analysis
- ECON 196 - Capstone

### Three of the following:

- ECON 111 - Economic History of the United States
- ECON 130 - Banking and Monetary Policy
- ECON 160 - Comparative Economics Systems
- ECON 190 - International Economics
- ECON 192 - Economic Development

### One semester study abroad

Students are encouraged to plan the timing of their study abroad carefully to avoid conflict with the offering of required classes.

## **Economics, Sustainability Concentration, BA**

## Economics BA Core - Lower Division

- ECON 003 - Principles of Microeconomics
- ECON 004 - Principles of Macroeconomics
- ECON 020 - Data Management for Economists

### Math, one of:

- MATH 003 - Finite Mathematics
- MATH 013 - Calculus with Elementary Functions I
- MATH 014 - Calculus with Elementary Functions II
- MATH 027 - Calculus I

### Calculus II, one of:

- MATH 028 - Calculus II with Applications
- MATH 038 - Calculus II

### Statistics, one of:

- DATA 040 - Business Statistics
- MATH 004 - Introduction to Probability and Statistics
- MATH 113 - Probability and Statistics

### Add to the regular BA requirements:

- BIOL 034 - Protecting Biodiversity with lab
- EES 092 - Introduction to Environmental Science

## Upper Division

- ECON 102 - Development of Economic Thought
- ECON 105 - Microeconomic Theory
- ECON 106 - Macroeconomic Theory
- ECON 120 - Research Seminar
- ECON 150 - Environmental and Natural Resources Economics
- ECON 196 - Capstone
- Two more upper-division Economics classes (except ECON 199)
- EES 120 - Sustainability

### One of the following:

- POL 135 - Environmental Politics
- POL 136 - Environmental Law and Regulation
- PHIL 117 - Philosophy of Nature

- PHIL 130 - Ethics
- HIST 155 - Latin American Environmental History
- JCL 130 - Environmental Justice

## **Economics, Sustainability Concentration, BS**

### **Economics BS Core - Lower Division**

- ECON 003 - Principles of Microeconomics
- ECON 004 - Principles of Macroeconomics
- ECON 020 - Data Management for Economists

### **Calculus I, one of:**

- MATH 013 - Calculus with Elementary Functions I AND MATH 014 Calculus with Elementary Functions II
- MATH 027 - Calculus I

### **Calculus II, one of:**

- MATH 028 - Calculus II with Applications
- MATH 038 - Calculus II

### **Statistics, one of:**

- DATA 040 - Business Statistics
- MATH 004 - Introduction to Probability and Statistics
- MATH 113 - Probability and Statistics

### **Add to the regular BS requirements:**

- EES 092 - Introduction to Environmental Science with lab

### **Upper Division**

- ECON 102 - Development of Economic Thought
- ECON 105 - Microeconomic Theory
- ECON 106 - Macroeconomic Theory
- ECON 120 - Research Seminar
- ECON 141 - Methods of Quantitative Analysis
- ECON 142 - Methods of Quantitative Analysis
- ECON 150 - Environmental and Natural Resources Economics
- ECON 196 - Capstone
- EES 120 - Sustainability

One of the following:

- POL 135 - Environmental Politics
- POL 136 - Environmental Law and Regulation
- PHIL 117 - Philosophy of Nature
- PHIL 130 - Ethics
- HIST 155 - Latin American Environmental History
- JCL 130 - Environmental Justice

## Economics Minor

### Minor Requirements

A student may earn only one minor in the School of Economics and Business Administration. The minor in economics requires successful completion of seven courses:

- ECON 003 - Principles of Microeconomics
- ECON 004 - Principles of Macroeconomics
- Statistics (may be satisfied by DATA 040, or MATH 004 or MATH 113)
- ECON 105 - Microeconomic Theory
- ECON 106 - Macroeconomic Theory AND
- Two additional full-credit upper-division economics courses.

### Research experience

Minors desiring a research experience in economics may include in their upper-division economics electives ECON 120 or (with the appropriate math and statistics prerequisites) ECON 141-ECON 142.

## English

## Faculty

**Marilyn Abildskov, MFA, Professor**  
**Carol L. Beran, PhD, Professor Emerita**  
**Sunayani Bhattacharya, PhD, Assistant Professor**  
**Edward Biglin, PhD, Professor Emeritus**  
**Glenna Breslin, PhD, Professor Emerita**  
**David J. DeRose, PhD, Professor Emeritus**  
**Elisa Findlay, PhD, Assistant Professor**  
**Jeanne Foster, PhD, Professor Emerita**  
**Brother Ronald Gallagher, FSC, PhD, Associate Professor**  
**Robert E. Gorsch, PhD, Professor**  
**Rosemary Graham, PhD, Professor**  
**Sandra Anne Grayson, PhD, Professor Emerita**  
**Brenda L. Hillman, MFA, Professor**  
**Jeannine M. King, PhD, Professor**  
**Emily Klein, PhD, Associate Professor**  
**Kathryn S. Koo, PhD, Professor**

Carol S. Lashof, PhD, Professor Emerita  
Hilda H. Ma, PhD, Associate Professor  
Lisa Manter, PhD, Professor  
Molly Metherd, PhD, Associate Professor  
Phyllis L. Stowell, PhD, Professor Emerita  
Meghan A. Sweeney, PhD, Associate Professor  
Lysley Tenorio, MFA, Professor  
Yin Yuan, PhD, Assistant Professor  
Ben Xu, PhD, Professor Emeritus  
Matthew Zapruder, MFA, Associate Professor

## Learning Outcomes

*When students have completed a program of study in English, they should be able to:*

- **ENGAGE** in informed, active reading, bringing to bear a broad base of literary, historical and cultural knowledge.
- **READ** critically a wide range of literary texts, with an awareness of the theoretical assumptions behind various interpretive strategies, and the ability to choose appropriate methods of inquiry and to formulate clear questions.
- **APPLY** a variety of reading strategies, combining critical detachment with the intellectual, imaginative, and emotional engagement necessary for appreciation.
- **WRITE** clear, well-reasoned prose in a variety of situations (academic, professional, social) for a variety of audiences and support their arguments with appropriate, thoughtfully analyzed evidence.
- **CONVERSE** articulately about texts and interpretations, understanding that interpretation is often a dialogic, collaborative process.
- **CRITICALLY** evaluate how texts engage notions of diversity and difference.

## 4+1 Program

English majors, including those with the SMPP concentration, may participate in the Justice, Community and Leadership (JCL) 4+1 program by declaring a Single Subject 4+1 minor in JCL. Students who successfully complete both the major and JCL 4+1 minor are permitted to enroll in the Kalmanovitz School of Education credentialing courses and work towards a Masters in Teaching by fulfilling additional coursework and research components.

## Special Note:

Students who successfully complete two years in the Integral Program before declaring an English major are exempt from the department's Shakespeare and pre-1800 requirements.

## Prerequisite Grade

*Any course listed in this department with a prerequisite assumes a grade of C- or better in the prerequisite course.*

## English, BA

# English Major Requirements

## Lower Division

- ENGL 019 - Introduction to Literary Analysis
- ENGL 029 - Issues in Literary Study

## Upper Division

- ENGL 175 - Shakespeare
- ENGL 196 - Capstone in English

## Subject areas

*The remaining NINE courses will be taken from the following five subject areas. Students must take at least ONE course in each subject area.*

### Historical Surveys

- ENGL 103 - British Literature I
- ENGL 104 - British Literature II
- ENGL 118 - 20th-Century Literature
- ENGL 150 - American Literature Before 1800
- ENGL 151 - American Literature 1800-1900
- ENGL 152 - 20th-Century American Literature
- ENGL 160 - Development of English Fiction I
- ENGL 182 - The Drama

### Movements and Eras

- ENGL 119 - Contemporary Literature
- ENGL 141 - Studies in Medieval Literature
- ENGL 142 - Studies in Renaissance and 17th-Century Literature
- ENGL 143 - Studies in Restoration and 18th-Century Literature
- ENGL 144 - Studies in 19th-Century Literature
- ENGL 153 - American Ethnic Writers and Oral Traditions
- ENGL 154 - Studies in African-American Literature
- ENGL 163 - Anglophone Literatures
- ENGL 171 - Literary Movements
- ENGL 173 - Women Writers
- ENGL 183 - Topics in Drama
- ENGL 184 - Contemporary Drama

### Authors and Genres

- ENGL 023 - Voices of American Diversity



- ENGL 105 - Children's Literature
- ENGL 115 - Chaucer
- ENGL 120 - The Short Poem
- ENGL 130 - Single Author
- ENGL 138 - Short Fiction
- ENGL 140 - Studies in Literary Genre
- ENGL 161 - The English Novel
- ENGL 162 - The American Novel
- ENGL 180 - Milton
- ENGL 185 - Individual Dramatist

### Theories and Methodologies

- ENGL 110 - Linguistics
- ENGL 111 - Topics in Linguistics
- ENGL 122 - Law and Literature
- ENGL 167 - Literary Criticism I
- ENGL 168 - Literary Criticism II
- ENGL 170 - Problems in Literary Theory

### The Art of Writing and Other Literacies

- ENGL 025 - Creative Writing: Multi-Genre Studies
- ENGL 100 - Advanced Composition
- ENGL 102 - Creative Writing
- ENGL 125 - Film
- ENGL 126 - Topics in Film

### Students must also take

*Students must also take at least one course that fulfills each of the four following areas (these will be satisfied in the above subject categories):*

- British literature
- American literature
- Pre-1800 literature
- Diverse literatures

The department recommends the study of foreign languages. Especially those students who plan to do graduate work should consult their advisors about work in other languages (e.g., German, French, Italian, Japanese, Spanish, Latin and Greek).

## English, Creative Writing Emphasis, BA

### English Major Requirements

#### Lower Division

- ENGL 019 - Introduction to Literary Analysis
- ENGL 029 - Issues in Literary Study

## Upper Division

- ENGL 175 - Shakespeare
- ENGL 196 - Capstone in English

## Subject areas

*The remaining NINE courses will be taken from the following five subject areas. Students must take at least ONE course in each subject area.*

### Historical Surveys

- ENGL 103 - British Literature I
- ENGL 104 - British Literature II
- ENGL 118 - 20th-Century Literature
- ENGL 150 - American Literature Before 1800
- ENGL 151 - American Literature 1800-1900
- ENGL 152 - 20th-Century American Literature
- ENGL 160 - Development of English Fiction I
- ENGL 182 - The Drama

### Movements and Eras

- ENGL 119 - Contemporary Literature
- ENGL 141 - Studies in Medieval Literature
- ENGL 142 - Studies in Renaissance and 17th-Century Literature
- ENGL 143 - Studies in Restoration and 18th-Century Literature
- ENGL 144 - Studies in 19th-Century Literature
- ENGL 153 - American Ethnic Writers and Oral Traditions
- ENGL 154 - Studies in African-American Literature
- ENGL 163 - Anglophone Literatures
- ENGL 171 - Literary Movements
- ENGL 173 - Women Writers
- ENGL 183 - Topics in Drama
- ENGL 184 - Contemporary Drama

### Authors and Genres

- ENGL 023 - Voices of American Diversity
- ENGL 105 - Children's Literature
- ENGL 115 - Chaucer
- ENGL 120 - The Short Poem
- ENGL 130 - Single Author
- ENGL 138 - Short Fiction

- ENGL 140 - Studies in Literary Genre
- ENGL 161 - The English Novel
- ENGL 162 - The American Novel
- ENGL 180 - Milton
- ENGL 185 - Individual Dramatist

### Theories and Methodologies

- ENGL 110 - Linguistics
- ENGL 111 - Topics in Linguistics
- ENGL 122 - Law and Literature
- ENGL 167 - Literary Criticism I
- ENGL 168 - Literary Criticism II
- ENGL 170 - Problems in Literary Theory

### The Art of Writing and Other Literacies

- ENGL 025 - Creative Writing: Multi-Genre Studies
- ENGL 100 - Advanced Composition
- ENGL 102 - Creative Writing
- ENGL 125 - Film
- ENGL 126 - Topics in Film

### Students must also take

*Students must also take at least one course that fulfills each of the four following areas (these will be satisfied in the above subject categories):*

- British literature
- American literature
- Pre-1800 literature
- Diverse literatures

The department recommends the study of foreign languages. Especially those students who plan to do graduate work should consult their advisors about work in other languages (e.g., German, French, Italian, Japanese, Spanish, Latin and Greek).

## Creative Writing Emphasis

The English major provides a broad foundation in the discipline. Students who desire to focus on a specific area of interest may do so by choosing electives within the major that meet the following requirements:

- ENGL 025 - Creative Writing: Multi-Genre Studies (preferably first-year or sophomore year)

### Any three upper-division creative writing classes:

- ENGL 102 - Creative Writing (poetry, fiction, non-fiction, dramatic writing, screenwriting)  
OR
- ENGL 100 - Advanced Composition

Two semesters of

- ENGL 026 - Creative Writing Reading Series

## **English, Dramatic and Film Arts Emphasis, BA**

### English Major Requirements

#### Lower Division

- ENGL 019 - Introduction to Literary Analysis
- ENGL 029 - Issues in Literary Study

#### Upper Division

- ENGL 175 - Shakespeare
- ENGL 196 - Capstone in English

#### Subject areas

*The remaining NINE courses will be taken from the following five subject areas. Students must take at least ONE course in each subject area.*

#### Historical Surveys

- ENGL 103 - British Literature I
- ENGL 104 - British Literature II
- ENGL 118 - 20th-Century Literature
- ENGL 150 - American Literature Before 1800
- ENGL 151 - American Literature 1800-1900
- ENGL 152 - 20th-Century American Literature
- ENGL 160 - Development of English Fiction I
- ENGL 182 - The Drama

#### Movements and Eras

- ENGL 119 - Contemporary Literature
- ENGL 141 - Studies in Medieval Literature
- ENGL 142 - Studies in Renaissance and 17th-Century Literature
- ENGL 143 - Studies in Restoration and 18th-Century Literature
- ENGL 144 - Studies in 19th-Century Literature
- ENGL 153 - American Ethnic Writers and Oral Traditions
- ENGL 154 - Studies in African-American Literature
- ENGL 163 - Anglophone Literatures
- ENGL 171 - Literary Movements

- ENGL 173 - Women Writers
- ENGL 183 - Topics in Drama
- ENGL 184 - Contemporary Drama

### Authors and Genres

- ENGL 023 - Voices of American Diversity
- ENGL 105 - Children's Literature
- ENGL 115 - Chaucer
- ENGL 120 - The Short Poem
- ENGL 130 - Single Author
- ENGL 138 - Short Fiction
- ENGL 140 - Studies in Literary Genre
- ENGL 161 - The English Novel
- ENGL 162 - The American Novel
- ENGL 180 - Milton
- ENGL 185 - Individual Dramatist

### Theories and Methodologies

- ENGL 110 - Linguistics
- ENGL 111 - Topics in Linguistics
- ENGL 122 - Law and Literature
- ENGL 167 - Literary Criticism I
- ENGL 168 - Literary Criticism II
- ENGL 170 - Problems in Literary Theory

### The Art of Writing and Other Literacies

- ENGL 025 - Creative Writing: Multi-Genre Studies
- ENGL 100 - Advanced Composition
- ENGL 102 - Creative Writing
- ENGL 125 - Film
- ENGL 126 - Topics in Film

### Students must also take

*Students must also take at least one course that fulfills each of the four following areas (these will be satisfied in the above subject categories):*

- British literature
- American literature
- Pre-1800 literature
- Diverse literatures

The department recommends the study of foreign languages. Especially those students who plan to do graduate work should consult their advisors about work in other languages (e.g., German, French, Italian, Japanese, Spanish, Latin and Greek).

## Dramatic and Film Arts Emphasis

The English major provides a broad foundation in the discipline. Students who desire to focus on a specific area of interest may do so by choosing electives within the major that meet the following requirements:

- ENGL 125 - Film
- OR
- ENGL 126 - Topics in Film

Any three of the following:

- ENGL 102 - Creative Writing
- ENGL 182 - The Drama
- ENGL 183 - Topics in Drama
- ENGL 184 - Contemporary Drama
- ENGL 185 - Individual Dramatist

### Note

Other English and upper-division January Term courses with film or drama-based content may also apply to the emphasis.

## English, Literary Theory and History Emphasis, BA

### English Major Requirements

#### Lower Division

- ENGL 019 - Introduction to Literary Analysis
- ENGL 029 - Issues in Literary Study

#### Upper Division

- ENGL 175 - Shakespeare
- ENGL 196 - Capstone in English

### Subject areas

*The remaining NINE courses will be taken from the following five subject areas. Students must take at least ONE course in each subject area.*

#### Historical Surveys

- ENGL 103 - British Literature I
- ENGL 104 - British Literature II
- ENGL 118 - 20th-Century Literature

- ENGL 150 - American Literature Before 1800
- ENGL 151 - American Literature 1800-1900
- ENGL 152 - 20th-Century American Literature
- ENGL 160 - Development of English Fiction I
- ENGL 182 - The Drama

## Movements and Eras

- ENGL 119 - Contemporary Literature
- ENGL 141 - Studies in Medieval Literature
- ENGL 142 - Studies in Renaissance and 17th-Century Literature
- ENGL 143 - Studies in Restoration and 18th-Century Literature
- ENGL 144 - Studies in 19th-Century Literature
- ENGL 153 - American Ethnic Writers and Oral Traditions
- ENGL 154 - Studies in African-American Literature
- ENGL 163 - Anglophone Literatures
- ENGL 171 - Literary Movements
- ENGL 173 - Women Writers
- ENGL 183 - Topics in Drama
- ENGL 184 - Contemporary Drama

## Authors and Genres

- ENGL 023 - Voices of American Diversity
- ENGL 105 - Children's Literature
- ENGL 115 - Chaucer
- ENGL 120 - The Short Poem
- ENGL 130 - Single Author
- ENGL 138 - Short Fiction
- ENGL 140 - Studies in Literary Genre
- ENGL 161 - The English Novel
- ENGL 162 - The American Novel
- ENGL 180 - Milton
- ENGL 185 - Individual Dramatist

## Theories and Methodologies

- ENGL 110 - Linguistics
- ENGL 111 - Topics in Linguistics
- ENGL 122 - Law and Literature
- ENGL 167 - Literary Criticism I
- ENGL 168 - Literary Criticism II
- ENGL 170 - Problems in Literary Theory

## The Art of Writing and Other Literacies

- ENGL 025 - Creative Writing: Multi-Genre Studies

- ENGL 100 - Advanced Composition
- ENGL 102 - Creative Writing
- ENGL 125 - Film
- ENGL 126 - Topics in Film

### Students must also take

*Students must also take at least one course that fulfills each of the four following areas (these will be satisfied in the above subject categories):*

- British literature
- American literature
- Pre-1800 literature
- Diverse literatures

The department recommends the study of foreign languages. Especially those students who plan to do graduate work should consult their advisors about work in other languages (e.g., German, French, Italian, Japanese, Spanish, Latin and Greek).

## Literary Theory and History Emphasis

(preparation for graduate study)

The English major provides a broad foundation in the discipline. Students who desire to focus on a specific area of interest may do so by choosing electives within the major that meet the following requirements:

- One additional course in literary criticism or theory
- One pre-1900 course
- Two courses each in British and American literature
- ENGL 198 - Senior Honors Thesis (Independent Study)

## English, Teaching Emphasis, BA

The major in English, with an emphasis in the Subject Matter Preparation Program (SMPP), has been approved by the Commission on Teaching Credentialing of the State of California as meeting the subject matter preparation requirements for a teaching credential. Students who successfully complete the major with a SMPP concentration are permitted to enroll in a credentialing program while waiving the CSET examinations required for high school teaching. It is important that those thinking of a teaching career consult both the coordinator of SMPP in the English department and the director of the Single Subject Credential Program in the School of Education to make sure that all the prerequisites for the credential are fulfilled.

## Composition and Rhetoric

- ENGL 100 - Advanced Composition
- ENGL 106 - Writing Adviser Training Workshop(0.25 credit course)

## Linguistics

- ENGL 110 - Linguistics



## Literature

- ENGL 019 - Introduction to Literary Analysis
- ENGL 029 - Issues in Literary Study
- ENGL 103 - British Literature I
- ENGL 104 - British Literature II
- ENGL 175 - Shakespeare

## American Literature: Take One

- ENGL 150 - American Literature Before 1800
- ENGL 151 - American Literature 1800-1900
- ENGL 152 - 20th-Century American Literature

One course in English or American Literature before 1800

One course in English or American Literature before 1900

## Speech, Media and Creative Performance

2 of the following courses (Choose 1 in Communication and 1 in Performing Arts)

- COMM 002 - Introduction to Media and Cultural Studies
- COMM 003 - Introduction to Human Communication
- COMM 010 - Rhetoric and Public Discourse
- PERFA 001 - Perceiving the Performing Arts
- PERFA 033 - Acting I: Principles of Performance
- PERFA 132 - Play in Production

## Extended Studies

- ENGL 024 - SMPP Assessment  
(0.25 credit course)
- ENGL 124 - SMPP Assessment  
(0.25 credit course)  
and JAN/EDUC-122

One of the following

- ENGL 167 - Literary Criticism I
- ENGL 168 - Literary Criticism II
- ENGL 170 - Problems in Literary Theory

One of the following

- ENGL 153 - American Ethnic Writers and Oral Traditions
- ENGL 154 - Studies in African-American Literature

## Two of the following

- ENGL 102 - Creative Writing
- ENGL 105 - Children's Literature
- ENGL 125 - Film  
or ENGL 126 - Topics in Film
- ENGL 140 - Studies in Literary Genre
- ENGL 163 - Anglophone Literatures
- ENGL 173 - Women Writers
- ENGL 182 - The Drama  
or ENGL 183 - Topics in Drama or ENGL 184 - Contemporary Drama

## Creative Writing Minor

### Minor Requirements

The creative writing minor is designed for students who wish to explore their creative potential as writers. The creative writing minor is also excellent preparation for students who wish to gain a greater appreciation of the art of writing, who wish to pursue a career in writing or journalism, or who simply wish to develop their academic or business writing skills.

A minor in creative writing requires

- ENGL 019 - Introduction to Literary Analysis
- ENGL 025 - Creative Writing: Multi-Genre Studies

### Two semesters of

- ENGL 026 - Creative Writing Reading Series

AND three upper-division courses chosen from among the following:

- ENGL 100 - Advanced Composition
- ENGL 102 - Creative Writing (may be repeated for credit in fiction, poetry, creative non-fiction, drama, and screenwriting)

## English Minor

### Minor Requirements

A minor in English requires

- ENGL 019 - Introduction to Literary Analysis
- ENGL 029 - Issues in Literary Study

- ENGL 175 - Shakespeare AND
- Three upper-division English electives

## MFA in Creative Writing

The MFA in Creative Writing is a two-year course of study in fiction, creative nonfiction or poetry with the option for a third year (dual-concentration) in an alternate genre. The program takes as its central mission the education and formal training of serious writers and is distinguished by its commitment to the writer as an intellectual functioning within a cultural context.

Combining work in writing, craft and literature, the MFA requires completion of a creative master's thesis and 10 courses, including intensive writing workshops, craft seminars, and literature courses.

Students are admitted to the program primarily on the strength of a manuscript of original work submitted with the online application, which is judged according to its literary merit and its indication of the author's readiness to study writing and literature on the graduate level.

For more information, contact the MFA in Creative Writing:

Saint Mary's College  
1928 Saint Mary's Road  
PMB 4686  
Moraga, CA 94575-4686  
(925) 631-4762  
writers@stmarys-ca.edu  
stmarys-ca.edu/mfawrite

## Learning Outcomes

Students in the MFA Program graduate with improved competency in their writing, particularly in their chosen genre (fiction, creative nonfiction, or poetry). In addition, they receive a sophisticated introduction to information technology as well as the professional aspects of the writing life.

Students will be able to:

- **ENGAGE** at a professional level in the writing of their chosen genre (fiction, creative nonfiction, or poetry).
- **ARTICULATE** the correspondences between their own writing and the corpus of literature and thought which primarily informs their aesthetics.
- **USE INFORMATION TECHNOLOGY** with a high level of sophistication, either for the purpose of academic research or for the purpose of primary research that may inform a given piece of writing.
- **WORK EFFECTIVELY** as professional writers: publish work in literary journals and magazines; solicit and procure literary agents; solicit and procure publishers for manuscripts or book projects; give public readings; apply for and receive funding for literary projects; exhibit a preparedness for finding employment in various professional fields, such as education, journalism, public relations, publishing, arts administration, and technical writing.

## 3+2 Engineering Program

Through the 3 + 2 Engineering Program, Saint Mary's offers students the benefits of a liberal arts education while allowing them to pursue an engineering degree. Students spend their first three years at Saint Mary's taking physical science, mathematics, humanities and social science courses. The final two years are completed at an engineering

school approved by the program's director. Upon completion of all academic requirements, students are granted two degrees: a bachelor of arts from Saint Mary's College and a bachelor of science in engineering from the university they have chosen for completing the final two years of the program. The full range of engineering specializations can be studied: Computer Science, Electrical Engineering, Biomedical Engineering, Aeronautical Engineering, Chemical Engineering, and Mechanical Engineering. Saint Mary's has a transfer agreement with Washington University in St. Louis which guarantees admission to our students who have a grade point average of at least 3.25.

## Faculty

**Jessica Kintner, PhD**, *Director; Professor of Physics and Astronomy*

## Learning Outcomes

After completing the Engineering Program at Saint Mary's, students will have a working knowledge of the physical world and mathematics, and a developed ability to reason and communicate. These gains will allow the students to succeed in the specialized engineering courses taken after transferring and to work effectively as an engineer upon graduation.

## 3 + 2 Engineering Program

### Requirements

Students must satisfy the following requirements: The completion of 27 transferable course credits with a minimum of 18 completed at Saint Mary's. The core curriculum requirements are modified to fit in three years rather than four. Students are not required to take: SEM 104, a fourth Jan Term, a second TRS course, a fourth engaging the world area, or a language. All other core curriculum requirements remain in place.

### Habits of Mind:

### Collegiate Seminar Courses:

3 courses including

- SEM 001 - Critical Strategies and Great Questions
- SEM 002 - Western Tradition I
- SEM 103 - Western Tradition II

### Writing Courses:

3 courses including

- ENGL 004 - Composition
- ENGL 005 - Argument and Research
- PHYSI 181 - Electronics and Instrumentation

### Pathways to Knowledge:

### Artistic Understanding:

2 courses designated as meeting the Artistic Analysis learning outcomes and at least .25 credits in a course designated as meeting the Creative Practice learning outcome.

### Mathematical Understanding:

1 course

### Scientific Understanding:

1 course, with laboratory

### Social, Historical, and Cultural Understanding:

2 courses

### Theological Understanding:

1 course, Christian Foundations

### Engaging the World:

3 courses that span three of the following four areas: Common Good, American Diversity, Global Perspectives, and Community Engagement

### Completion of the following courses:

- MATH 027 - Calculus I
- MATH 038 - Calculus II
- MATH 039 - Calculus III
- MATH 134 - Differential Equations
- PHYSI 001 - Introduction to Physics I
- PHYSI 002 - Introduction to Physics I Laboratory
- PHYSI 003 - Introduction to Physics II
- PHYSI 004 - Introduction to Physics II Laboratory
- PHYSI 060 - Modern Physics
- PHYSI 60L (lab)
- PHYSI 102 - Computational Physics
- PHYSI 105 - Analytical Mechanics
- PHYSI 181 - Electronics and Instrumentation
- CHEM 008 - General Chemistry I
- CHEM 009 - General Chemistry Lab I
- Four upper division Physics electives \*

### Note

\* MATH 120 may be substituted for an upper division Physics elective

OR

For future CS Engineers:

Completion of the following courses:

- MATH 027 - Calculus I
- MATH 038 - Calculus II
- MATH 039 - Calculus III
- MATH 134 - Differential Equations
- PHYSI 001 - Introduction to Physics I
- PHYSI 002 - Introduction to Physics I Laboratory
- PHYSI 003 - Introduction to Physics II
- PHYSI 004 - Introduction to Physics II Laboratory
- PHYSI 060 - Modern Physics
- PHYSI 060L (lab)
- PHYSI 102 - Computational Physics
- PHYSI 181 - Electronics and Instrumentation
- Three upper division CS or Physics electives \*

#### Note

\* MATH 120 may be substituted for an upper division Physics elective

#### Note

Other courses may be required or recommended for a particular branch of engineering. The student must consult with the 3 + 2 Engineering Program director regarding their course of study.

## Environmental and Earth Science

The Environmental and Earth Sciences (EES) programs provide students with foundational knowledge from many disciplines. This knowledge is then applied to the study, management, and conservation of the environment and living systems around us. Students examine the structure, function and dynamics of ecosystems, the interaction between biotic and abiotic systems, and explore how human enterprise is adversely affecting our global environment. Students examine how environmental degradation and pollution can be lessened or prevented by the application of conservation and management principles derived from ecological theory. Our students work towards a deep understanding of the natural world around them, while at the same time acquiring practical skill sets useful for addressing the serious environmental issues with which we as a society are faced. Our degree programs foster deep critical thinking and scientific understanding and offer a range of heuristic approaches to addressing environmental issues that span from the natural sciences to aspects of the social sciences and humanities.

The location of Saint Mary's College, on the cusp between the urban centers of the Bay Area and the more rural setting of the coast range and the Central Valley provide unique opportunities for our students. Due to our location we have easy access to freshwater systems, (streams, wetlands, etc.), the Sacramento San Joaquin Delta, the coast range mountains, mixed oak woodland forests, and chaparral communities. Some of our students are also able to take advantage of internships in a variety of fields due to our proximity to the greater San Francisco Bay Area.

# Faculty

**Alice Baldridge, PhD, Director**  
*(Geological and planetary sciences, aqueous geochemical systems)*

**Manisha Anantharaman, PhD**  
*(Environmental Justice)*

**Steven Bachofer, PhD**  
*(Inorganic/Environmental Chemistry)*

**Carla C. Bossard, PhD**  
*(Terrestrial ecology, plant science)*

**Joel Burley, PhD**  
*(Atmospheric Chemistry, pollution in national parks and forests)*

**Michael P. Marchetti, PhD**  
*(Aquatic and marine ecology, conservation biology)*

**Asbjorn Moseidjord, PhD**  
*(Environmental economics)*

**Myrna Santiago, PhD**  
*(Environmental history)*

**Nekesha Williams, PhD**  
*(Environmental Sciences, coastal and hydrological systems, GIS)*

**Steven Woolpert, PhD**  
*(Environmental politics)*

# Learning Outcomes

*When students complete the Environmental Science and Studies programs, they will be able to:*

- **RECALL** and synthesize the knowledge derived from biology, chemistry, physics, earth science, economics and political science to better understand the earth's environment.
- **COMPREHEND** environmental problems from multiple perspectives.
- **EVALUATE** the credibility of varying sources of information on environment.
- **DISPLAY** cognizance of ethical considerations and be mindful of them when constructing solutions to environmental problems.
- **RECOGNIZE** the interconnectedness of earth's ecosystems and human dependence on them.
- **COMMUNICATE** environmental findings through seminars, written scientific reports and visual presentations.
- **KNOW** how to access information on environmental topics from library sources, original scientific literature and the Internet.
- **DEMONSTRATE** competence in using the basic equipment used to gather information on the environment.
- **RECOGNIZE** processes and patterns of environmental interactions.

# Curriculum and Course Requirements

Two degrees are offered. A bachelor of science (BS) in Environmental Science and a bachelor of arts (BA) in Environmental Studies. The bachelor of arts program involves less scientific rigor than the bachelor of science. Three minors are also offered in Environmental Science, Environmental Studies and Earth Sciences. All environmental science and studies majors will also be required to do either a research internship or a senior research thesis (such as the ongoing summer research program in the School of Science) or a senior project.

## Earth Science, BS

*Required: 16 courses plus a senior project*

### Lower Division Core Courses

- EES 040 - Physical Geology
- EES 041 - Lab
- EES 050 - Historical Geology
- EES 051 - Lab
- BIOL 050 - General Biology
- BIOL 051 - General Biology Laboratory
- CHEM 008 - General Chemistry I
- CHEM 009 - General Chemistry Lab I
- CHEM 010 - General Chemistry II
- CHEM 011 - General Chemistry Lab II
- MATH 027 - Calculus I
- MATH 028 - Calculus II with Applications
- PHYSI 010 - General Physics I
- PHYSI 010L - General Physics Lab I

### Upper Division Core Courses

- EES 100 - Hydrology
- EES 110 - Introduction to GIS/Remote Sensing
- EES 160 - Earth Materials
- EES 180 - Sedimentology and Stratigraphy

Select five of the following courses:

- EES 140 - Environmental Geology/Natural Disasters
- EES 150 - Environmental and Physical Geology of the Parks
- EES 175 - Wetlands
- EES 190 - Structural and Regional Geology
- EES 195 - Internship
- EES 197 - Independent Study
- CHEM 119 - Environmental Chemistry
- BIOL 125 - General Ecology
- ECON 150 - Environmental and Natural Resources Economics
- POL 135 - Environmental Politics



OR

- POL 136 - Environmental Law and Regulation
- BIOL 119 - Research Design and Biostatistics

## Senior Project (required)

- EES 196 - Senior Project

## Environmental Sciences, BS

*Required: 16 courses plus a senior project*

### Seven Required Lower Division Courses

- EES 040 - Physical Geology
- EES 41 - Lab
- OR
- EES 050 - Historical Geology
- EES 51 - Lab
- CHEM 008 - General Chemistry I
- CHEM 009 - General Chemistry Lab I
- CHEM 010 - General Chemistry II
- CHEM 011 - General Chemistry Lab II
- MATH 027 - Calculus I
- BIOL 001 - Introduction to Cell Biology, Molecular Biology and Biochemistry
- BIOL 002 - Introductory Biology for Majors: Organisms and Evolution
- PHYSI 010 - General Physics I
- PHYSI 010L - General Physics Lab I

### Five Required Upper Division Courses

- EES 100 - Hydrology
- BIOL 119 - Research Design and Biostatistics
- OR
- MATH 113 - Probability and Statistics
- ECON 150 - Environmental and Natural Resources Economics
- POL 135 - Environmental Politics
- OR
- POL 136 - Environmental Law and Regulation
- BIOL 125 - General Ecology

## Four Upper Division Electives From The Following, Including Labs

- EES 110 - Introduction to GIS/Remote Sensing
- EES 140 - Environmental Geology/Natural Disasters
- EES 150 - Environmental and Physical Geology of the Parks
- EES 160 - Earth Materials
- EES 175 - Wetlands
- EES 180 - Sedimentology and Stratigraphy
- EES 195 - Internship
- EES 197 - Independent Study
- BIOL 113 - Aquatic/Marine Biology
- BIOL 142 - California Flora and Communities
- BIOL 144 - General Botany
- BIOL 152 - Conservation Science
- CHEM 119 - Environmental Chemistry
- CHEM 104 - Organic Chemistry I
- CHEM 106 - Organic Chemistry II

## Senior Project (.25)

- EES 196 - Senior Project

## Environmental Studies, BA

*Required: 14 courses plus a senior project*

## Five Required Courses

- BIOL 050 - General Biology
- BIOL 125 - General Ecology
- ECON 150 - Environmental and Natural Resources Economics
  
- POL 135 - Environmental Politics  
OR
- POL 136 - Environmental Law and Regulation  
OR
- JCL 130 - Environmental Justice
  
- EES 100 - Hydrology

## Select Three Lower Division Electives from the Following, Including All Labs

- MATH 004 - Introduction to Probability and Statistics
- EES 040 - Physical Geology

- EES 041 - Lab
- EES 050 - Historical Geology
- EES 051 - Lab
- EES 060 - Urban Environmental Issues
- EES 061 - Lab
- PHYSI 040 - Revolutions in Science
- PHYSI 041 - Revolutions in Science Laboratory
- EES 092 - Introduction to Environmental Science
- EES 093 - Lab
- BIOL 034 - Protecting Biodiversity

## Six Upper Division Electives from the Following, Including Labs

- EES 110 - Introduction to GIS/Remote Sensing
- EES 120 - Sustainability
- EES 140 - Environmental Geology/Natural Disasters
- EES 150 - Environmental and Physical Geology of the Parks
- EES 175 - Wetlands
- EES 180 - Sedimentology and Stratigraphy
- EES 195 - Internship
- EES 197 - Independent Study
- BIOL 113 - Aquatic/Marine Biology
- BIOL 119 - Research Design and Biostatistics
- BIOL 142 - California Flora and Communities
- BIOL 144 - General Botany
- BIOL 152 - Conservation Science
- HIST 155 - Latin American Environmental History
- HIST 160 - Topics in Asian History
- SOC 135 - Special Topics \*
- POL 126 - Food Politics
- POL 135 - Environmental Politics
- POL 136 - Environmental Law and Regulation
- JCL 130 - Environmental Justice
- TRS 174 - Sustainability, Religion, Spirituality

## Note

\*This is a topics course. It should only count for the major when offered as Society and Environment

Those who do not meet the prerequisite courses will need permission of the instructor.

## Senior Project (.25)

- EES 196 - Senior Project

## Earth Science Minor

## Minor Requirements

Take three lower division courses

- EES 040 - Physical Geology
- EES 041 - Lab
- EES 050 - Historical Geology
- EES 051 - Lab
- EES 092 - Introduction to Environmental Science

Choose three upper division courses

- EES 100 - Hydrology
- EES 110 - Introduction to GIS/Remote Sensing
- EES 175 - Wetlands
- EES 140 - Environmental Geology/Natural Disasters
- ECON 150 - Environmental and Natural Resources Economics

One of the following

- EES 160 - Earth Materials
- EES 180 - Sedimentology and Stratigraphy

## Environmental Science Minor

### Minor Requirements

Choose two lower division courses

- EES 092 - Introduction to Environmental Science
- BIOL 050 - General Biology
  
- EES 040 - Physical Geology AND
- EES 041 - Lab
- OR
- EES 050 - Historical Geology AND
- EES 051 - Lab
  
- EES 060 - Urban Environmental Issues

Choose four upper division courses

- EES 100 - Hydrology
- EES 110 - Introduction to GIS/Remote Sensing
- BIOL 113 - Aquatic/Marine Biology

- EES 175 - Wetlands
- BIOL 119 - Research Design and Biostatistics
- BIOL 125 - General Ecology
- BIOL 142 - California Flora and Communities
- BIOL 144 - General Botany
- BIOL 152 - Conservation Science

## Environmental Studies Minor

### Minor Requirements

Choose two lower division courses

- EES 092 - Introduction to Environmental Science
- BIOL 050 - General Biology
- EES 040 - Physical Geology
- EES 060 - Urban Environmental Issues

Choose four upper division courses

- BIOL 125 - General Ecology
- BIOL 152 - Conservation Science
- ECON 150 - Environmental and Natural Resources Economics
- POL 135 - Environmental Politics
- POL 136 - Environmental Law and Regulation
- EES 100 - Hydrology
- EES 110 - Introduction to GIS/Remote Sensing

## Ethnic Studies

The Ethnic Studies Program at Saint Mary's College of California takes a critical multidisciplinary approach to addressing issues of power, resistance, and social justice. Ethnic Studies students learn comparative multiracial and multiethnic perspectives to examine race, ethnicity, gender, class, sexuality, legal status, Indigeneity, and other dimensions of identity and lived experience. Born from student protests from the 1960s social movements, the field of Ethnic Studies believes in the holistic understanding of the individual and their environment in order to fully analyze social problems and enact change. The Ethnic Studies approach to teaching and learning incorporates many academic fields, including the arts, communication, global studies, history, politics, psychology, queer studies, sociology, theology and religious studies, and women and gender studies.

Students critique dominant frameworks through an analysis of power and applied, community-based methods that center the perspectives and needs of historically marginalized communities. Through coursework, research, and community engagement, Ethnic Studies students explore social constructions of identity, forms of oppression, and community building within the U.S. and beyond, with particular attention paid to African American and Black, Latinx, Native American, Asian American and Pacific Islander communities.

Ethnic Studies embodies the College's Lasallian commitment to social justice, respect for all persons, and the fostering of an inclusive community.

# Faculty

**Loan Thi Dao, PhD**, *Associate Professor, Director*

**David Quijada, PhD**, *Associate Professor*

## Ethnic Studies Faculty Advisory Board

**Nicole Brown, PhD**, *Sociology*

**Ynez Hirst, PhD**, *Sociology*

**Emily Klein, PhD**, *English*

**Amissa Miller, PhD**, *Performing Arts*

**Scott Schönfeldt-Aultman, PhD**, *Communication*

**Michael Viola, PhD**, *Justice, Community & Leadership*

## Ethnic Studies Community Advisory Board

**Rebecca Aguiano, PhD**, *Counseling Psychology*

**Cynthia Martinez, PhD**, *Counseling Psychology*

**Legacy Lee, MA**, *Intercultural Center*

**Alvaro Ramirez, PhD**, *World Languages and Cultures*

The educational goals of the Ethnic Studies Program for majors and minors include:

- **EXPLORING** the cultural and social histories of African American, Latino, Native American and Asian American/ Pacific Islander ethnic groups.
- **INTEGRATING** Catholic social justice teaching, the Lasallian core values, and service based learning in service of these historically underrepresented groups.
- **CRITICALLY EXAMINING** United States racial and ethnic diversities and their interrelatedness to other international socio-historic systems.

Upon completion of the Ethnic Studies major, students will be able to:

- **DESCRIBE** the history and social theories relevant to a critical understanding of African American, Latino, Native American, and Asian American/Pacific Islander ethnic groups;
- **EMPLOY** theoretical and analytical frameworks to understand an increasingly complex, multicultural and interdependent world;
- **IDENTIFY** the social, historical, economic, and religious factors that have affected and continue to affect ethnic groups in the U.S.;
- **EXHIBIT** critical thinking about issues of social injustice and the common good, and strategies for working towards social justice.

## Ethnic Studies, BA

### Lower Division Core

- ES 001 - Introduction to Ethnic Studies
- ES 050 - Creating Community: Introduction to Skills for Building a Socially Just Society

## Upper Division Core

- ES 101 - Critical Race Theory
- ES 196 - Capstone Course

## Methods Course

Choose one (1) from the following list. Other courses may be taken with the approval of the Program Director.

- COMM 111 - Qualitative Methods
- ENGL 170 - Problems in Literary Theory
- JCL 120 - Theory and Inquiry in Justice, Community and Leadership
- SOC 132 - Sociological Research Methods

## Ethnic Studies Upper Division Electives

Select courses from any of the following categories: Ethnic Groups and Identity; Arts and Literature; Socioeconomics and Inequality. Ethnic Studies majors will select six (6) courses, choosing two (2) from each category. Ethnic Studies minors will select any three (3) courses.

### Ethnic Groups and Identity

This area includes courses that address the role ethnicity plays in one's individual, social, and political experiences and identity. The courses listed below are representative of courses that address some of the above particularities. Other courses accepted with approval by Program Director.

- ES 102 - Youth Cultures, Identities and New Ethnicities
- ES 106 - Intercultural Communication
- ES 107 - Whiteness
- ES 110 - Politics of Race
- ES 111 - Sociology of Families
- ES 112 - Race and Ethnicity
- ES 123 - Ethnic Groups in the United States
- ES 125 - Gender and Society
- ES 139 - History of Women in America
- ES 140 - African-American History: 1619 to 1865
- ES 141 - African-American History: 1865 to the Present
- ES 144 - Gender Politics A/B
- ES 168 - Topics on Culture, Race, and Ethnicity in Psychology
- ES 171 - Gender and Religion in American Culture

### Arts and Literature

Within Ethnic Studies, the role of Arts and Literature is not only to reflect the social reality of ethnic experiences in the United States, but also to shape and transform that reality. Students will examine competing notions of identity and community that emerge in the literary and artistic expressions of U.S. writers and artists of color. The courses listed below are representative of courses that address some of the above particularities. Other courses accepted with approval by Program Director.

- ES 113 - Jazz and Blues in America
- ES 143 - Advanced Media Production I
- ES 150 - Chicano / Chicana Literature
- ES 154 - Studies in African-American Literature
- ES 184 - Contemporary Drama
- SEM 144 - Multicultural Thought

## Socioeconomics and Inequality

This area includes courses that address the relationship between race and ethnicity and economic, political, and social inequalities in contemporary society. The courses listed below are representative of courses that address some of the above particularities. Other courses accepted with approval by Program Director.

- ES 108 - Politics of Labor
- ES 112 - Race and Ethnicity
- ES 115 - Wealth and Poverty
- ES 117 - Wealth and Poverty in the Bible
- ES 118 - Theories of Justice
- ES 119 - State and Urban Politics
- ES 120 - Social Movements
- ES 121 - Human Rights
- ES 122 - Education and Society
- ES 126 - Food Politics
- ES 127 - Field Work for Food Politics
- ES 130 - Environmental Justice
- ES 131 - Cultural Geography
- ES 142 - History of California
- ES 161 - Communication and Social Justice

## Note

Other courses accepted with approval by Program Director. In addition, new courses are approved on a term-to-term basis.

## Ethnic Studies Minor

The Ethnic Studies minor comprises 6 courses-2 lower division and 4 upper division:

### Lower Division (2)

- ES 001 - Introduction to Ethnic Studies
- ES 050 - Creating Community: Introduction to Skills for Building a Socially Just Society

### Ethnic Studies Theory (1)

- ES 101 - Critical Race Theory



## Ethnic Studies Upper Division Electives

Select courses from any of the following categories: Ethnic Groups and Identity; Arts and Literature; Socioeconomics and Inequality. Ethnic Studies majors will select six (6) courses, choosing two (2) from each category. Ethnic Studies minors will select any three (3) courses.

### Ethnic Groups and Identity

This area includes courses that address the role ethnicity plays in one's individual, social, and political experiences and identity. The courses listed below are representative of courses that address some of the above particularities. Other courses accepted with approval by Program Director.

- ES 102 - Youth Cultures, Identities and New Ethnicities
- ES 106 - Intercultural Communication
- ES 107 - Whiteness
- ES 110 - Politics of Race
- ES 111 - Sociology of Families
- ES 112 - Race and Ethnicity
- ES 123 - Ethnic Groups in the United States
- ES 125 - Gender and Society
- ES 139 - History of Women in America
- ES 140 - African-American History: 1619 to 1865
- ES 141 - African-American History: 1865 to the Present
- ES 144 - Gender Politics A/B
- ES 168 - Topics on Culture, Race, and Ethnicity in Psychology
- ES 171 - Gender and Religion in American Culture

### Arts and Literature

Within Ethnic Studies, the role of Arts and Literature is not only to reflect the social reality of ethnic experiences in the United States, but also to shape and transform that reality. Students will examine competing notions of identity and community that emerge in the literary and artistic expressions of U.S. writers and artists of color. The courses listed below are representative of courses that address some of the above particularities. Other courses accepted with approval by Program Director.

- ES 113 - Jazz and Blues in America
- ES 143 - Advanced Media Production I
- ES 150 - Chicano / Chicana Literature
- ES 154 - Studies in African-American Literature
- ES 184 - Contemporary Drama
- SEM 144 - Multicultural Thought

### Socioeconomics and Inequality

This area includes courses that address the relationship between race and ethnicity and economic, political, and social inequalities in contemporary society. The courses listed below are representative of courses that address some of the above particularities. Other courses accepted with approval by Program Director.

- ES 108 - Politics of Labor

- ES 112 - Race and Ethnicity
- ES 115 - Wealth and Poverty
- ES 117 - Wealth and Poverty in the Bible
- ES 118 - Theories of Justice
- ES 119 - State and Urban Politics
- ES 120 - Social Movements
- ES 121 - Human Rights
- ES 122 - Education and Society
- ES 126 - Food Politics
- ES 127 - Field Work for Food Politics
- ES 130 - Environmental Justice
- ES 131 - Cultural Geography
- ES 142 - History of California
- ES 161 - Communication and Social Justice

## Note

Other courses accepted with approval by Program Director. In addition, new courses are approved on a term-to-term basis.

## Global and Regional Studies

The Global and Regional Studies (GRS) major is designed for students preparing for an increasingly global environment through the multidisciplinary study of global processes or a major world region. The course of study integrates several academic disciplines, language proficiency, cultural literacy, independent research, and residential experience abroad.

The GRS major is geared toward students who want to focus their major on international studies writ large instead of a single academic discipline. This interdisciplinary approach best facilitates the student's gain in cultural literacy, language acquisition, and the ability to understand and analyze critically global and regional connections, processes, and development outcomes from multiple academic perspectives. The GRS major allows students to focus on a major region of the world (eg, Europe, Latin America, East Asia, etc), or broader themes and issues that cut across world regions. Students may also opt for a concentration in global justice.

## Faculty Advisory Board

**Jennifer D. Heung, PhD**, *Professor of Anthropology*

**Ronald Ahnen, PhD**, *Professor of Politics*

**Manisha Anantharaman, PhD**, *Assistant Professor of Justice Community & Leadership*

**Zeynep Atalay, PhD**, *Associate Professor of Sociology*

**Helga Lénárt-Cheng, PhD**, *Associate Professor of World Languages and Cultures (French and German)*

**María Luisa Ruiz, PhD**, *Associate Professor of World Languages and Cultures (Spanish), Director, Institute for Latino and Latin American Studies*

**Aeleah Soine, PhD**, *Associate Professor of History*

**E. Elena Songster, PhD**, *Associate Professor of History*

## Learning Outcomes

*Graduates of the Global and Regional Studies Program will demonstrate:*

- **ABILITY TO DEFINE** their place as a citizen in global society.
- **UNDERSTANDING** of the political, economic and cultural interconnectedness that constitutes our world today.
- **ABILITY TO COMMUNICATE** at a basic functional level of proficiency in a language other than English specific to their geographical region of study.
- **ABILITY TO ANALYZE** specific social aspects of a geographical region employing in a competent and creative way the appropriate conceptual and theoretical tools of the following disciplines: anthropology, economics, history, literature and art, and politics.
- **ABILITY TO INVESTIGATE** the increasing interdependent nature and complexity of cultural, economic, environmental, political, and social processes that constitute the global experience, and to examine those processes from a global justice perspective.

## Career Opportunities

Graduates will be in a position to work for the ever- growing number of international agencies, organizations and businesses. Increasingly, language proficiency and overseas experience are requirements for jobs. Employers seek persons experienced and qualified to function in another language and culture.

Other students go on to graduate school in international business, international studies, or in their minor field. Most major universities have graduate international or area studies programs that offer a natural next step for students interested in further developing their expertise.

Beyond career advancement, many students will find that the immersion in another culture expands their understanding of the human experience and permanently enriches their lives.

## Major Requirements

### Track Selection

Students first select between one of two tracks in the major: **Global Studies** or **Regional Studies**. Students in the Global Studies track may opt for a concentration in global justice studies. Students in the Regional studies track must select a specific region of the world in which they have a particular interest and wish to focus their studies. Four choices are available: East Asia, Europe, Latin America, or student defined (eg, North Africa, Middle East, etc). Student-defined regions must receive approval from the Director of Global and Regional Studies. Regional Studies track students must complete the requirements of a minor area of study chosen from Anthropology, Economics, History, World Languages and Cultures, or Politics.

### Optional Global Justice Concentration

Global Studies track students may opt for a concentration in global justice studies. The concentration requirements are:

1. complete **POL 115 - Theories of Justice**
2. complete an internship with a local organization or business while focusing on a global justice issue (may be completed in conjunction with an independent study course that counts as a Group B course).
3. write the senior thesis on a global justice topic (approved by the instructor).

# Language

Students in both tracks must complete the equivalent of level four (4) semesters in a foreign language (appropriate to the region if selected). Language study should correspond with the country where students wish to spend their study abroad. The interdisciplinary and language courses taken by students will prepare them for critically engaged learning experiences.

# Study Abroad

Study abroad is a vital component of the GRS major and provides students with an important experience that allows them to understand more directly the cultural complexities and lived experiences of their region of study. Regional studies track majors are strongly encouraged to spend a minimum of one semester studying abroad in their selected region during their junior year in a country that corresponds with their foreign language study. Global studies track students are also strongly encouraged to study abroad for a semester in any region of their interest, or may opt for a semester long internship with an international focus.

# Minimum GPA

Students must be mindful of meeting the minimum GPA requirement of the study abroad program of their choice, which range from 2.8 to 3.5.

# Global and Regional Studies, Global Studies Track, BA

## Global Studies - Major Requirements

### Lower Division

*Students must complete the following five lower-division courses:*

- GRS 001 - Introduction to Global and Regional Studies
- ANTH 001 - Introduction to Social and Cultural Anthropology
- ECON 004 - Principles of Macroeconomics
  
- HIST 001 - World History to 1500  
OR
- HIST 002 - World History since 1500 AND

### Global Studies track:

- POL 004 - Introduction to International Politics

### Regional Studies track:

- POL 001 - Introduction to Comparative Politics

## Upper Division

*Students must complete the following three upper-division courses:*

- GRS 100 - Cultural Geography and Global Societies
- GRS 130 - Interdisciplinary Issues in Global Studies
- GRS 196 - Capstone Experience

## Additional upper-division courses

Students in the Global Studies track complete six additional upper-division courses - two in each of three groups: Group A (Intellectual Traditions), Group B (Issues and Topics), and Group C (Regional Studies), as follows:

### Group A

- ANTH 134 - Issues in Globalization
- ECON 102 - Development of Economic Thought
- ECON 160 - Comparative Economics Systems
- ECON 190 - International Economics
- ECON 192 - Economic Development
- HIST 104 - Historical Interpretation
- POL 115 - Theories of Justice
- POL 120 - International Relations
- POL 121 - Governing the Global Economy

### Group B

- ANTH 111 - Kinship, Marriage and Family
- ANTH 112 - Global Perspectives on Race
- ANTH 114 - Urban Anthropology
- ANTH 117 - Anthropology of Religion
- ANTH 118 - Culture, Health, and Healing
- ANTH 128 - Food and Culture
- HIST 127 - The Victorian Empire
- HIST 137 - United States History in Comparative and Transnational Perspective
- HIST 154 - Latin America, the United States, and the Drug Trade
- POL 122 - Topics in International Politics
- POL 125 - Human Rights
- POL 126 - Food Politics
- POL 128 - Dynamics of Terrorism
- POL 129 - Politics of Developing Countries
- SPAN 160 - Culture and Civilization of Spain
- SPAN 161 - Culture and Civilization of Latin America
- SPAN 162 - Culture and Civilization of Mexico

### Group C

- ANTH 119 - Cultures of the Americas
- ANTH 121 - World Cultures
- FREN 123 - French Literature: Nineteenth and Twentieth Centuries
- FREN 129 - French Literature Outside Europe
  
- HIST 120 - Topics in Modern European History
- HIST 123 - 20th-Century Europe
- HIST 124 - Transnational Origins of the Welfare State
- HIST 125 - Women in European History, 1500-Present
- HIST 126 - Nations, Nationalism, and Citizenship
- HIST 127 - The Victorian Empire
- HIST 128 - German History
- HIST 150 - Topics in Latin American History
- HIST 151 - Women in Latin American History
- HIST 152 - Revolution in Latin America
- HIST 153 - The African Diaspora in Latin America
- HIST 154 - Latin America, the United States, and the Drug Trade
- HIST 155 - Latin American Environmental History
- HIST 160 - Topics in Asian History
- HIST 161 - Modern Japan
- HIST 162 - Modern China
- HIST 163 - Ethnic Identity and Conflict in China
- HIST 170 - Topics in African History
- HIST 172 - African History Since 1850
- WLC 185 - Culture and Civilization of France
- WLC 186 - Culture and Civilization of Italy
- WLC 187 - Culture and Civilization of Spain
- WLC 188 - Culture and Civilization of Latin America
- WLC 189 - Culture and Civilization of Mexico
  
- POL 143 - Middle East Politics
- POL 144 - Asian Politics
- POL 145 - Latin American Politics
- POL 146 - West European Politics
- POL 147 - Russian Politics from Lenin to Putin
- POL 148 - East European Politics
  
- SPAN 141 - Latin American Literature II
- SPAN 143 - Contemporary Latin American Literature
- SPAN 145 - Twentieth-Century Mexican Literature

## Note:

Any course listed for this major that requires a prerequisite assumes a grade of C- or better in the prerequisite course. In addition, C is the minimum acceptable grade in GRS 100 and GRS 196 for credit toward the major.

# **Global and Regional Studies, Global Studies Track, Global Justice Concentration, BA**

## **Global Studies - Major Requirements**

### **Lower Division**

*Students must complete the following five lower-division courses:*

- GRS 001 - Introduction to Global and Regional Studies
- ANTH 001 - Introduction to Social and Cultural Anthropology
- ECON 004 - Principles of Macroeconomics
  
- HIST 001 - World History to 1500  
OR
- HIST 002 - World History since 1500 AND

### **Global Studies track:**

- POL 004 - Introduction to International Politics

### **Regional Studies track:**

- POL 001 - Introduction to Comparative Politics

### **Upper Division**

*Students must complete the following three upper-division courses:*

- GRS 100 - Cultural Geography and Global Societies
- GRS 130 - Interdisciplinary Issues in Global Studies
- GRS 196 - Capstone Experience

## **Additional upper-division courses**

Students in the Global Studies track complete six additional upper-division courses - two in each of three groups: Group A (Intellectual Traditions), Group B (Issues and Topics), and Group C (Regional Studies), as follows:

### **Group A**

- ANTH 134 - Issues in Globalization
  
- ECON 102 - Development of Economic Thought
- ECON 160 - Comparative Economics Systems
- ECON 190 - International Economics

- ECON 192 - Economic Development
- HIST 104 - Historical Interpretation
- POL 115 - Theories of Justice
- POL 120 - International Relations
- POL 121 - Governing the Global Economy

## Group B

- ANTH 111 - Kinship, Marriage and Family
- ANTH 112 - Global Perspectives on Race
- ANTH 114 - Urban Anthropology
- ANTH 117 - Anthropology of Religion
- ANTH 118 - Culture, Health, and Healing
- ANTH 128 - Food and Culture
- HIST 127 - The Victorian Empire
- HIST 137 - United States History in Comparative and Transnational Perspective
- HIST 154 - Latin America, the United States, and the Drug Trade
- POL 122 - Topics in International Politics
- POL 125 - Human Rights
- POL 126 - Food Politics
- POL 128 - Dynamics of Terrorism
- POL 129 - Politics of Developing Countries
- SPAN 160 - Culture and Civilization of Spain
- SPAN 161 - Culture and Civilization of Latin America
- SPAN 162 - Culture and Civilization of Mexico

## Group C

- ANTH 119 - Cultures of the Americas
- ANTH 121 - World Cultures
- FREN 123 - French Literature: Nineteenth and Twentieth Centuries
- FREN 129 - French Literature Outside Europe
- HIST 120 - Topics in Modern European History
- HIST 123 - 20th-Century Europe
- HIST 124 - Transnational Origins of the Welfare State
- HIST 125 - Women in European History, 1500-Present
- HIST 126 - Nations, Nationalism, and Citizenship
- HIST 127 - The Victorian Empire
- HIST 128 - German History
- HIST 150 - Topics in Latin American History
- HIST 151 - Women in Latin American History



- HIST 152 - Revolution in Latin America
- HIST 153 - The African Diaspora in Latin America
- HIST 154 - Latin America, the United States, and the Drug Trade
- HIST 155 - Latin American Environmental History
- HIST 160 - Topics in Asian History
- HIST 161 - Modern Japan
- HIST 162 - Modern China
- HIST 163 - Ethnic Identity and Conflict in China
- HIST 170 - Topics in African History
- HIST 172 - African History Since 1850
  
- WLC 185 - Culture and Civilization of France
- WLC 186 - Culture and Civilization of Italy
- WLC 187 - Culture and Civilization of Spain
- WLC 188 - Culture and Civilization of Latin America
- WLC 189 - Culture and Civilization of Mexico
  
- POL 145 - Latin American Politics
- POL 146 - West European Politics
- POL 147 - Russian Politics from Lenin to Putin
- POL 148 - East European Politics
- POL 143 - Middle East Politics
- POL 144 - Asian Politics
  
- SPAN 141 - Latin American Literature II
- SPAN 143 - Contemporary Latin American Literature
- SPAN 145 - Twentieth-Century Mexican Literature

## Concentration Requirements

Global Studies track students may opt for a concentration in global justice studies. The concentration requirements are:

1. complete POL 115 - Theories of Justice
2. complete an internship with a local organization or business while focusing on a global justice issue (may be completed in conjunction with an independent study course that counts as a Group B course).
3. write the senior thesis on a global justice topic (approved by the instructor).

### Note:

Any course listed for this major that requires a prerequisite assumes a grade of C- or better in the prerequisite course. In addition, C is the minimum acceptable grade in GRS 100 and GRS 196 for credit toward the major.

## Global and Regional Studies, Regional Studies Track, East Asia Concentration, BA

### Global Studies - Major Requirements

## Lower Division

*Students must complete the following five lower-division courses:*

- GRS 001 - Introduction to Global and Regional Studies
- ANTH 001 - Introduction to Social and Cultural Anthropology
- ECON 004 - Principles of Macroeconomics
  
- HIST 001 - World History to 1500  
OR
- HIST 002 - World History since 1500 AND

### Global Studies track:

- POL 004 - Introduction to International Politics

### Regional Studies track:

- POL 001 - Introduction to Comparative Politics

## Upper Division

*Students must complete the following three upper-division courses:*

- GRS 100 - Cultural Geography and Global Societies
- GRS 130 - Interdisciplinary Issues in Global Studies
- GRS 196 - Capstone Experience

## Additional upper-division courses

Students in the Regional Studies track complete four additional upper division courses. One each from the following four disciplines according to regional concentration:

### Anthropology

- ANTH 121 - World Cultures China

### History

- HIST 160 - Topics in Asian History
- HIST 161 - Modern Japan
- HIST 162 - Modern China
- HIST 163 - Ethnic Identity and Conflict in China

### Literature and Art

*check with Director for appropriate courses*

## Politics

- POL 144 - Asian Politics

## Notes:

Regional studies track students must take the ANTH 121 that corresponds to the content of their region.

Any course listed for this major that requires a prerequisite assumes a grade of C- or better in the prerequisite course. In addition, C is the minimum acceptable grade in GRS 100 and GRS 196 for credit toward the major.

Regional Studies track students must complete the requirements of a minor area of study chosen from Anthropology, Economics, History, World Languages and Cultures, or Politics.

## **Global and Regional Studies, Regional Studies Track, Europe Concentration, BA**

### Global Studies - Major Requirements

#### Lower Division

*Students must complete the following five lower-division courses:*

- GRS 001 - Introduction to Global and Regional Studies
- ANTH 001 - Introduction to Social and Cultural Anthropology
- ECON 004 - Principles of Macroeconomics
  
- HIST 001 - World History to 1500  
OR
- HIST 002 - World History since 1500 AND

#### Global Studies track:

- POL 004 - Introduction to International Politics

#### Regional Studies track:

- POL 001 - Introduction to Comparative Politics

#### Upper Division

*Students must complete the following three upper-division courses:*

- GRS 100 - Cultural Geography and Global Societies

- GRS 130 - Interdisciplinary Issues in Global Studies
- GRS 196 - Capstone Experience

## Additional upper-division courses

Students in the Regional Studies track complete four additional upper division courses. One each from the following four disciplines according to regional concentration:

### Anthropology

- ANTH 121 - World Cultures Europe

### History

- HIST 120 - Topics in Modern European History
- HIST 123 - 20th-Century Europe
- HIST 124 - Transnational Origins of the Welfare State
- HIST 125 - Women in European History, 1500-Present
- HIST 126 - Nations, Nationalism, and Citizenship
- HIST 127 - The Victorian Empire
- HIST 128 - German History

### Literature and Art

- ENGL 103 - British Literature I
- ENGL 104 - British Literature II
- ENGL 144 - Studies in 19th-Century Literature
- ENGL 160 - Development of English Fiction I
- ENGL 161 - The English Novel
- FREN 121 - French Literature: Middle Ages to the Renaissance
- FREN 122 - French Literature: Seventeenth and Eighteenth Centuries
- FREN 123 - French Literature: Nineteenth and Twentieth Centuries
- FREN 130 - Thematic and Stylistic Study of a Single French Author or Genre
- FREN 150 - Culture and Civilization of France
- SPAN 120 - Spanish Literature: Middle Ages to Eighteenth Century
- SPAN 121 - Spanish Literature: Eighteenth Century to the Mid-Twentieth Century
- SPAN 122 - Literature of the Golden Age
- SPAN 127 - Contemporary Peninsular Literature
- SPAN 160 - Culture and Civilization of Spain
- OR
- WLC 187 - Culture and Civilization of Spain
- WLC 186 - Culture and Civilization of Italy

### Politics

- POL 146 - West European Politics

## Notes:

Regional studies track students must take the ANTH 121 that corresponds to the content of their region.

Any course listed for this major that requires a prerequisite assumes a grade of C- or better in the prerequisite course. In addition, C is the minimum acceptable grade in GRS 100 and GRS 196 for credit toward the major.

Regional Studies track students must complete the requirements of a minor area of study chosen from Anthropology, Economics, History, World Languages and Cultures, or Politics.

## **Global and Regional Studies, Regional Studies Track, Latin America Concentration, BA**

### Global Studies - Major Requirements

#### Lower Division

*Students must complete the following five lower-division courses:*

- GRS 001 - Introduction to Global and Regional Studies
- ANTH 001 - Introduction to Social and Cultural Anthropology
- ECON 004 - Principles of Macroeconomics
- HIST 001 - World History to 1500  
OR
- HIST 002 - World History since 1500 AND

#### Global Studies track:

- POL 004 - Introduction to International Politics

#### Regional Studies track:

- POL 001 - Introduction to Comparative Politics

#### Upper Division

*Students must complete the following three upper-division courses:*

- GRS 100 - Cultural Geography and Global Societies
- GRS 130 - Interdisciplinary Issues in Global Studies
- GRS 196 - Capstone Experience

#### Additional upper-division courses

Students in the Regional Studies track complete four additional upper division courses. One each from the following four disciplines according to regional concentration:

## Anthropology

- ANTH 121 - World Cultures Central America or Latin America

## History

- HIST 150 - Topics in Latin American History
- HIST 151 - Women in Latin American History
- HIST 152 - Revolution in Latin America
- HIST 153 - The African Diaspora in Latin America
- HIST 154 - Latin America, the United States, and the Drug Trade
- HIST 155 - Latin American Environmental History

## Literature and Art

- SPAN 140 - Latin American Literature I
- SPAN 141 - Latin American Literature II
- SPAN 143 - Contemporary Latin American Literature
- SPAN 145 - Twentieth-Century Mexican Literature
- WLC 188 - Culture and Civilization of Latin America
- WLC 189 - Culture and Civilization of Mexico

## Politics

- POL 145 - Latin American Politics

## Notes:

Regional studies track students must take the ANTH 121 that corresponds to the content of their region.

Any course listed for this major that requires a prerequisite assumes a grade of C- or better in the prerequisite course. In addition, C is the minimum acceptable grade in GRS 100 and GRS 196 for credit toward the major.

Regional Studies track students must complete the requirements of a minor area of study chosen from Anthropology, Economics, History, World Languages and Cultures, or Politics.

## History

As a disciplined study of the past, History focuses on change and continuity over time. Our department challenges students to read, think, and write about questions societies face in every generation-the tension between freedom and authority, reason and faith, individual agency and powerful structures. The ultimate goal: to become imaginative and resourceful human beings engaged with the world.

Our faculty cultivates understanding, not memorization. The history student becomes immersed in the study of the past and develops the skill and ability to read critically and write elegantly. The faculty welcomes budding historians who love history, as well as students from other disciplines seeking a broad view of the world, and students who might simply be curious about a specific time, country, or topic.

Our curriculum is organized in clusters of courses that allow for global or regional comparisons. Among these are: the history of women (Europe, Latin America, the United States); environmental history (Latin America, Asia, the United States); and revolutionary movements (China, the United States, Europe, and Latin America).

As an active collaborator in the larger College community, the department regularly offers classes in the following interdisciplinary majors and minors: Women's and Gender Studies, Ethnic Studies, Environmental Studies, and Global and Regional Studies.

## Faculty

**Elena Songster, PhD, Professor, Department Chair**

**Carl J. Guarneri, PhD, Professor**

**Brother Charles Hilken, FSC, PhD, Professor**

**Myrna Santiago, PhD, Professor**

**Aeleah Soine, PhD, Associate Professor**

**Gretchen Lemke-Santangelo, PhD, Professor**

**Ronald Isetti, PhD, Professor Emeritus**

**Katherine S. Roper, PhD, Professor Emerita**

## Learning Outcomes

*History majors develop a unique set of skills designed for research and analytical thinking in a diverse and increasingly globalized world. Upon completion of the History program, students will be able to:*

- **THINK** historically, read critically, write coherently, speak persuasively, and communicate effectively.
- **SITUATE** major historical events within their proper chronological, geographical, thematic, and comparative context.
- **CONNECT** and integrate historical knowledge, grasp the ethical and moral dimensions of history, and appreciate the complex, multi-causal origins of past events.
- **IDENTIFY** and **INTERPRET** a wide variety of historical sources, both primary and secondary.
- **EXPLAIN** the value and application of historiography and various historical methods, approaches and theories.
- **EVALUATE** and critically assess the validity of historical evidence and interpretations.
- **USE** and **APPLY** primary and secondary sources to construct sophisticated, persuasive, and logical interpretations of historical problems and events.

## Prerequisite Grade

*All prerequisites must be passed with a grade of C- or better.*

## History, BA

### Lower Division

- HIST 001 - World History to 1500 AND
- HIST 002 - World History since 1500
- OR
- HIST 004 - Western Society and Cultures to 1500 AND
- HIST 005 - Western Society and Cultures since 1500
- HIST 017 - History of the United States to the Civil War
- HIST 018 - History of the United States since Reconstruction

## Note

HIST 001, HIST 002 is the World History sequence; HIST 004, HIST 005 is the Western Civilization sequence. Students may combine HIST 001 and HIST 005 or HIST 002 and HIST 004, but may not combine HIST 001 and HIST 004 or HIST 002 and HIST 005.

## Upper Division

*Students majoring in history must complete nine upper-division history courses, including:*

- HIST 101 - Historical Methods and Practices
- HIST 106 - Seminar in Historical Research
- HIST 104 - Historical Interpretation
- OR
- HIST 105 - Modern Approaches to History
- One Upper-Division HIST elective

## Areas of concentration

Two upper-division courses in two of the following areas of concentration; and one in a third area of concentration. At least one area of concentration must be in Asian, African, World or Latin American history.

## United States:

- HIST 130 - Topics in American History (when applicable)
- HIST 131 - Colonial History of the United States
- HIST 132 - The American Revolution and the Early Republic
- HIST 133 - Era of the Civil War and Reconstruction
- HIST 134 - Recent History of the United States
- HIST 135 - America in the World: The History of U.S. Foreign Relations
- HIST 136 - Immigration and Ethnic Relations in American History
- HIST 137 - United States History in Comparative and Transnational Perspective
- HIST 138 - The Development of Modern American Culture
- HIST 139 - History of Women in America
- HIST 140 - African-American History: 1619 to 1865
- HIST 141 - African-American History: 1865 to the Present
- HIST 142 - History of California



## Latin America:

- HIST 150 - Topics in Latin American History (when applicable)
- HIST 151 - Women in Latin American History
- HIST 152 - Revolution in Latin America
- HIST 153 - The African Diaspora in Latin America
- HIST 154 - Latin America, the United States, and the Drug Trade
- HIST 155 - Latin American Environmental History

## Medieval Europe:

- HIST 110 - Topics in Ancient and Medieval European History (when applicable)
- HIST 111 - The Birth of Europe
- HIST 112 - Europe in the High and Later Middle Ages
- HIST 113 - The Age of the Renaissance
- HIST 114 - Warfare in Medieval Europe

## Modern Europe:

- HIST 120 - Topics in Modern European History (when applicable)
- HIST 121 - Revolt and Revolution in Early Modern Europe
- HIST 122 - 19th Century Europe
- HIST 123 - 20th-Century Europe
- HIST 124 - Transnational Origins of the Welfare State
- HIST 125 - Women in European History, 1500-Present
- HIST 126 - Nations, Nationalism, and Citizenship
- HIST 127 - The Victorian Empire
- HIST 128 - German History

## Africa:

- HIST 170 - Topics in African History (when applicable)
- HIST 171 - African History to 1850
- HIST 172 - African History Since 1850

## Asia:

- HIST 160 - Topics in Asian History (when applicable)
- HIST 161 - Modern Japan
- HIST 162 - Modern China
- HIST 163 - Ethnic Identity and Conflict in China

## World:

- HIST 100 - Topics in World History (when offered)

## Note

Students intending to work toward advanced degrees should consult with their advisor about foreign language preparation.

## History Minor

### Minor Requirements

*To earn a minor in history, a student must complete a total of six courses.*

- Any **TWO** lower-division history courses  
AND
- HIST 101 - Historical Methods and Practices  
PLUS Any **ONE** of the following:
  - HIST 104 - Historical Interpretation
  - HIST 105 - Modern Approaches to History
  - HIST 106 - Seminar in Historical ResearchAND
- **TWO** additional upper-division courses, each in a different geographical area of concentration.

## Integral

The Integral Program of liberal arts is founded on the wager that it is still possible to appreciate and to evaluate all the main kinds of human thinking. It is thought that students in the Program can learn enough of the technical languages of the natural sciences, mathematics, literary criticism, social sciences, philosophy and theology to follow arguments in those disciplines. The Integral Program is not an honors curriculum but is intended rather for anyone drawn to a comprehensive view of education, an education devoted equally to the arts of language, to the arts of pure and applied mathematics (including music), to observation and measurement, to judgment and reasoned appreciation.

The program is divided into the seminar and the tutorials: language, mathematics, laboratory and music. During the fourth year, seniors are asked to marshal their experiences from seminar and tutorials to write a major essay and then defend it before the tutors and the other students.

The program had its origin in a two-year study beginning in the fall of 1955 and financed with a grant from the Rosenberg Foundation. Brother Sixtus Robert Smith, FSC, and James L. Hagerty of the faculty joined with consultants from Saint John's College, Annapolis, the University of California Berkeley and Stanford University, to establish this "college-within-a-college." The first graduates were the class of 1960. From the beginning, a confident grasp of fundamental truths, a healthy skepticism toward passing dogma, and a reliance on reasoned deliberation has marked the graduates of the program.

## Tutors

**David Bird, PhD**, *Hispanic Studies*

**Steven Cortright, MA**, *Philosophy*

**Brother Kenneth Cardwell, FSC, PhD**, *Emeritus*

**Theodora Carlile, PhD**, *Emerita*

**Alexis Doval, PhD**, *Emeritus*

**Elizabeth Hamm, PhD**, *History and Philosophy of Science and Technology, Director*

**Felicia Martinez, PhD**, *English*

**Brother Raphael Patton, FSC, PhD**, *Emeritus*

**Gabriel Pihas, PhD**, *Social Thought*

**Michael Riley, PhD**, *Classical Languages*

**Theodore Tsukahara, Jr. AFSC, PhD**, *Economics*

## Learning Outcomes

Students who complete the program will demonstrate:

- **THE CAPACITY** for disciplined examination and discussion of fundamental ideas and questions, as treated or suggested by some of the great written texts; and
- **AWARENESS** of variations in the kinds and degrees of knowledge attainable in different fields of inquiry, acquired through active use of the resources employed in those fields, e.g., experience, reflection, hypothesis, experiment, measurement and inference; and
- **ABILITY** for close reading and listening, for precise verbal formulations of questions, distinctions, concepts, arguments, and judgments, and facility at addressing and responding to classmates' like contributions; and
- **WELL-DEVELOPED COMPETENCE** in written formulation of questions, distinctions, concepts, arguments, and judgments.

## Requirements

An alternative, comprehensive curriculum, the program offers a bachelor's degree proper to it. The degree is granted for the successful completion of the eight seminars, the eight tutorials in mathematics, the eight in language, the four laboratories, a tutorial in music and the senior essay totaling 29.25 course credits. Note that the College further requires the successful completion of four January course credits, and of electives sufficient to complete Core Curriculum learning outcomes in Community Engagement, American Diversity, and Social Cultural and Historical Understanding (1 course credit), and to raise the total to 36 course credits.

Students who start in the Integral Program and move to another major are deemed to have completed the following Core Curriculum requirements:

- *After one semester:* Mathematical Understanding, Scientific Understanding (including laboratory), SEM 001 - Critical Strategies and Great Questions
- *After two semesters:* the above, plus ENGL 004 - *Composition*, SEM 002 - *Western Tradition I*
- *After three semesters:* the above, plus Theological Understanding (Christian Foundations), Artistic Understanding (both Artistic Analysis and Creative Practice), the language requirement, and SEM 103 - *Western Tradition II*
- *After four semesters:* the above, plus Theological Understanding (Theological Explorations) and SEM 104 - *The Global Conversation of the 20th and 21st centuries*

## Prerequisites

Each course in the program beyond the first semester depends in an obvious way entirely on the courses taken earlier, making it impossible to join the Program later than the first year. In extraordinary cases, a remedial course in January may allow a first-year entrance in February.

Any course in this program with a prerequisite assumes a grade of C- or better in the prerequisite course.

# Integral Program, BA

## Seminars

- INTEG 011 & 012 - First-year Seminar
- INTEG 113 & 114 - Sophomore Seminar
- INTEG 115 & 116 - Junior Seminar
- INTEG 117 & 118 - Senior Seminar
- INTEG 196 - Senior Essay

## Tutorials

- INTEG 031 & 032 - First-year Mathematics
- INTEG 133 & 134 - Sophomore Mathematics
- INTEG 135 & 136 - Junior Mathematics
- INTEG 137 & 138 - Senior Mathematics
  
- INTEG 051 & 052 - First-year Language
- INTEG 053 & 054 - Sophomore Language
- INTEG 155 & 156 - Junior Language
- INTEG 157 & 158 - Senior Language
  
- INTEG 071 & 072 - First-year Laboratory
- INTEG 178 - Junior Laboratory: Physics & Chemistry
- INTEG 179 - Junior Laboratory: Evolution, Heredity & Genetics
  
- INTEG 074 - Music I
- INTEG 174 - Music II (Optional course)
  
- INTEG 180 - Preceptorial (Optional course)

## Interfaith Leadership

## Interfaith Leadership

Today where cross-cultural and cross-religious contacts are nearly ubiquitous, professionals in various sectors (e.g., health-care, law, business, education, NGOs, government service and public policy) are beginning to recognize the need to address the religious/spiritual dimensions of their work not only to serve more compassionately and effectively, but also to contribute to the evolution of a more inclusive and just society. The Interfaith Leadership Minor program provides students with a set of competencies and perspectives to begin to understand what is at stake in our religiously diverse world and how to make a difference in it in their own lives and in whatever careers they pursue. Those who develop the capacities of interfaith leadership understand that religion can be a source of conflict or an invitation to cooperation, and they know how to lead others toward the latter. Hence, an "Interfaith Leader" is a person with the knowledge, capacity for self-reflection and empathy, values and skills to lead inclusively and effectively in any religiously and spiritually diverse environment.

# Faculty

**Barbara A. McGraw, JD, PhD**, *Professor of Social Ethics, Law, and Public Life and Director of the Interfaith Leadership Program*

## Interfaith Leadership Advisory Board

**Julie Ford, D.M.A.**, *Performing Arts*

**Emily Hause, PhD**, *Psychology*

**Makiko Imamura, PhD**, *Communication*

**Yuan Li, PhD**, *Organizations and Responsible Business*

**Julie Park, PhD**, *Integral and Collegiate Seminar*

**Aaron Sachowitz, PhD**, *Communication*

**Grete Stenersen, MA**, *Leadership Studies and Collegiate Seminar*

**Marguerite Welch, PhD**, *MA in Leadership*

**Paul Zarnoth, PhD**, *Psychology*

## Learning Outcomes

Students who complete the program will be able to:

- **IDENTITY/BIAS:** Reflect on students' own and others' identity formation and perspectives; articulate how religious and other identities and worldviews affect perceptions of issues that arise in various environments and situations; and articulate how such perceptions can result in bias.
- **COMMUNICATION/DIALOGUE:** Demonstrate effective communication and dialogue facilitation skills that can be used to address interreligious conflict and promote interfaith cooperation, engagement, and understanding.
- **RELIGIOUS LITERACY:** Demonstrate an understanding of what it means to be religiously literate; articulate ways that religions differ in thought, practice, and organization; and articulate the meaning of "pluralism" in this context.
- **LEADERSHIP:** Identify interfaith challenges and opportunities; propose inclusive methods for addressing them; and articulate how to lead implementation of those inclusive methods.
- **APPLICATION:** Demonstrate interfaith leadership (as defined above) in a collaborative community-based project.

## Interfaith Leadership Minor

To graduate with an Interfaith Leadership Minor, students must complete courses in the following Program Core, which consists of four full credit courses and one quarter-credit project course. Students must also complete Two Electives, one from each of two elective categories.

## Other Courses in the Program

Course descriptions for other courses in the Interfaith Leadership Minor can be found under their respective department/program in this catalog, e.g., in Business Administration, Anthropology, Ethnic Studies, Psychology, Communication, Politics, History, Kinesiology, Global and Regional Studies, Theology and Religious Studies, and Justice, Community and Leadership.

# Interfaith Leadership Minor

## Program Core

*Four full-credit courses + One quarter-credit project course*

### Required Course:

- BUSAD 108 - Interfaith Leadership in Business and the Professions

### Choice of One:

- ANTH 001 - Introduction to Social and Cultural Anthropology
- ES 001 - Introduction to Ethnic Studies

### Choice of One:

- COMM 106 - Intercultural Communication
- ES 155 - Advanced Intergroup Dialogue

### Choice of One:

- JCL 150 - Advanced Leadership Theory
- BUSAD 131 - Managing and Leading in Organizations
- PSYCH 172 - Groups, Organizations and Societies

### Required Quarter Credit Project Course (.25):

- IFL 120 - Interfaith Leadership Praxis

## Two Electives, One from Each of Two Categories:

### Interfaith in Context Elective - One Course

*Choose One Course from the following:*

- KINES 118 - Community Health
- PSYCH 150 - Personality Psychology \*\*
- PSYCH 131 - Transpersonal Psychology
- GRS 001 - Introduction to Global and Regional Studies
- HIST 162 - Modern China
- HIST 163 - Ethnic Identity and Conflict in China
- POL 115 - Theories of Justice
- POL 143 - Middle East Politics

## Enhanced Learning Outcome Elective - One Course

*Choose One Course from the following:*

- ANTH 001 - Introduction to Social and Cultural Anthropology\*
- ES 001 - Introduction to Ethnic Studies \*
- JCL 150 - Advanced Leadership Theory \*
- BUSAD 131 - Managing and Leading in Organizations \*
- PSYCH 172 - Groups, Organizations and Societies \*
- COMM 106 - Intercultural Communication \*
- ES 155 \*
- ANTH 117 - Anthropology of Religion
- PSYCH 163 - Prejudice and Stereotyping
- TRS 151 - Judaism †
- TRS 152 - Islam: Beliefs and Practices †
- TRS 153 - Eastern Religions †
- TRS 154 - Hinduism †
- TRS 155 - Buddhism †

## Program Notes:

**Note on "Double-Dipping":** Students may count up to two courses from their major and one course from another minor toward the Interfaith Leadership Minor. (Exception: the Anthropology Department currently does not allow its majors and minors to double-dip with other programs.)

**Note on courses not listed above:** Other courses may be allowed as electives on the approval of the Interfaith Leadership Minor director.

**Note on Prerequisites for Courses from Other Departments/Programs:** Some courses in the Interfaith Leadership Minor may require permission of the instructor, if students do not have the prerequisites for the course. For example, JCL 150 will require permission of the instructor, and entry in that course will depend on how far along students are in this minor. Also, only students who have taken PSYCH 001 and ES 001, may enroll in PSYCH 163 - Prejudice and Stereotyping. Students should prepare accordingly.

**Note for Interfaith in Context Elective:**

\*\* PSYCH 150 only counts as an elective for this minor with Interfaith Leadership Program Director approval.

**Notes for Enhanced Learning Outcome Elective:**

\* The asterisked courses will count for this elective only if they were not already taken as a part of the Interfaith Leadership Minor Program Core.

† Theology and Religious Studies (TRS) courses for the Interfaith Leadership Minor will not double-dip with the Theological Understanding Core Curriculum Requirement. To count as an Enhanced Learning Outcome Elective, these courses must be taken in addition to the two courses required for the Theological Understanding requirement. Note also that other TRS courses may count for this elective upon approval of the Interfaith Leadership Program Director, who will confirm their inclusion in this program with the TRS Department Chair.

## January Term

The faculty of January Term (Jan Term) is drawn from all departments of the college and the broader academic community.

January Term provides both students and faculty a unique opportunity to explore courses and experiences that depart from the constraints of the regular semester; both students and faculty are freed from their disciplinary constraints to create new and innovative academic experiences.

January Term offers both on-campus courses and off-campus travel courses throughout the United States and to many parts of the globe (some scholarships are available to defray travel costs for eligible students).

Providing the same academic rigor and credit as the fall and spring terms, many January Term courses also emphasize experiential learning through service, community-based research and on-site learning relevant to the region.

January Term is a unique Saint Mary's program that showcases intensive courses of study: since students enroll in only one course per January Term, faculty members expect more and tend to increase the pace of instruction, as well as requiring broader reading, more reflection and careful writing, more thorough class preparation and greater individual initiative.

Four January Term courses are required of most students; transfer students are required to take one January Term course for each year of full-time academic residency.

Sample Jan Term courses (actual course offerings vary each year):

## Justice, Community, and Leadership

The mission of Justice, Community and Leadership is education for liberation. Such an education requires a critical analysis of interconnected systems of oppression and invites us to think and act in humanizing, humble and self-reflective ways. JCL classes challenge students with an engaged critical pedagogy that enables us to apply what we learn in the classroom to a broader community context.

Many of our courses include working with community members and organizations to learn from their expertise on both the impact of and ideas for addressing structural inequity. Together with these community experts, we grapple with the complexity of policies, dominant ideologies, and cultural practices that disadvantage some groups of people, while benefiting others and consider how we can be a part of social change efforts. Students in our program go on to work in diverse fields-such as education, the non-profit sector, law, social entrepreneurship, government, and public health-yet they share a common aim to make the world more equitable.

## Faculty and Advisory Board

**Monica Fitzgerald**, *Professor, Director*

**Manisha Anantharaman, PhD**, *Assistant Professor*

**Shawny Anderson, PhD**, *Associate Dean, Liberal Arts*

**Alicia Rusoja, PhD**, *Assistant Professor*

**Tamara Spencer, EdD**, *Associate Professor, KSOE*

**Michael Viola, PhD**, *Assistant Professor*

## Learning Outcomes for the Justice, Community and Leadership Major



*Students who complete this program will be able to:*

1. **[Knowledge]** Demonstrate knowledge of the ways systemic inequities (e.g. economic, racial, gender, environmental) are reproduced and interconnected historically and in our contemporary world.
2. **[Analysis]** Utilize critical transdisciplinary lenses to analyze unjust power relations and systemic oppression, centering the experiences, histories, and visions of oppressed communities.
3. **[Research]** Using appropriate library and information literacy skills, evaluate and apply research methodologies in ways that challenge dominant assumptions about knowledge production to articulate, interpret and contribute to social justice.
4. **[Community Application]** Collaborate with diverse community formations to imagine, co-construct, organize for and sustain strategies that contribute to a more just social order.
5. **[Communication]** Utilize oral, written, artistic, expressive and new media formats to advocate for transformative social change with attention to audience and power relations.
6. **[Reflection]** Demonstrate cultural humility and an understanding of one's positionality within historical and intersecting systems of power.

## JCL General Major and Concentrations

The Justice, Community and Leadership program offers three concentrations:

- JCL General Major
- JCL: Education Specialist Teacher Education
- JCL: Multiple Subject Teacher Education

## Undergraduate Teacher Credential Pathway

These concentrations allow students to complete their BA and earn a teaching credential in 4 years.

### JCL: Education Specialist

The Education Specialist (SPED) concentration prepares individuals with a passion for teaching students with mild-to-moderate disabilities in grades K-12. We provide a balance of theory and current practice to meet the individual needs of exceptional learners.

### JCL: Multiple Subject Teacher Education

The Multiple Subject Teacher Education (MSTE) concentration is built upon a student-centered learning community that inspires excellence and innovation in K-8 education. Through the practice of shared inquiry, collaborative learning and community engagement, we empower our students to lead change according to the principles of social justice and common good.

## 4+1 Pathway

This 4+1 single subject pathway concentration allows students to complete a BA in 4 years and a Single Subject Preliminary Teaching Credential in one additional year.

## **Single Subject 4+1 Minor**

Incoming first-year students and qualifying sophomores who are committed to becoming middle or high school teachers may declare this minor. This special program enables students to integrate education coursework and field experience in middle and high schools with their undergraduate course of study. With a major in the discipline they would like to teach (History, English, etc.), students will gain the critical framework and field experience necessary to be transformative educators. Students proceed through the SS4+1 minor in a cohort with TFT and other Single Subject 4+1 minors, taking many of their minor courses and all of their field experience with other cohort members.

## **Leadership Concentration**

### **Leadership for Social Justice 4+1**

The MA in Leadership for Social Justice is a concentration in the graduate Leadership Studies program, designed for students interested in practicing leadership for social change in fields such as non-profit, community organizing, law, or public service. The Justice, Community and Leadership program has developed a 4+1 pathway for students to complete their BA in four years and their MA in one additional year. By fulfilling the 4+1 pathway requirements, students can be admitted to the Leadership for Social Justice MA program and begin graduate course work in their senior year.. Students in this concentration fulfill additional requirements. Prospective students must apply separately to the MA in Leadership.

## **Major Requirements**

All students, regardless of concentration, must complete the JCL common curriculum. Students complete additional course requirements determined by their area of concentration. Please note that JCL students meet many requirements of the SMC Core Curriculum within the major and their chosen concentration.

## **Additional Requirements by Concentration**

*Students complete all requirements of the JCL Common Curriculum and the additional requirements of their concentration*

## **JCL Minor Requirements**

This multidisciplinary minor, housed within the Justice, Community and Leadership Program, incorporates community engagement and issues of social justice into the experiences and curriculum of students interested in learning about the principles and practices of justice, community, and leadership. The minor must consist of at least five courses outside of the student's major(s).

## **Justice, Community and Leadership, General, BA**

### **JCL Common Curriculum**

All students, regardless of concentration, must complete the JCL common curriculum. Students complete additional course requirements determined by their area of concentration. Please note that JCL students meet many requirements of the SMC Core Curriculum within the major and their chosen concentration.

## Common Curriculum - Lower Division

- JCL 010 - Introduction to Justice, Community and Leadership
- ECON 010 - Economics and Society  
MSTE and SPED Concentrations will take one of the following in lieu of ECON 010:
- HIST 017 - History of the United States to the Civil War, OR
- HIST 018 - History of the United States since Reconstruction

## Common Curriculum - Upper Division

- JCL 120 - Theory and Inquiry in Justice, Community and Leadership
- JCL 150 - Advanced Leadership Theory
- JCL 190 - Senior Portfolio (.25)
- JCL 196 - Senior Capstone I

## Common Curriculum - Upper Division JCL Electives

Choose two from the following:

- JCL 130 - Environmental Justice
- JCL 140 - The Global Community
- JCL 163 - Special Topics
- JCL 195 - Internship

## JCL General - Additional Requirements

*JCL General students complete all requirements of the JCL Common Curriculum and the additional requirements of their concentration:*

- MATH 004 - Introduction to Probability and Statistics  
OR
- MATH 010 - The Art and Practice of Mathematics
- **JANUARY TERM CE**  
(one Community Engagement-designated January Term course)

## JCL Common Curriculum: Required Interdisciplinary Content

*In addition to the above courses, JCL majors meet other program requirements from a specific menu of options:*

### Artistic Understanding

*Two full-credit courses that meet the Artistic Analysis requirement and one (full or .25) that meets the Creative Practice requirement (please note that some courses meet both the analysis and creative practice requirements)*

### Artistic Understanding - Artistic Analysis and Creative Practice

- ART 055 - Digital Art: Photo, Video and Sound
- ART 065 - Web Design and Interactive Art
- ART 070 - Printmaking
- ATC 080 - Art Theory
- COMM 002 - Introduction to Media and Cultural Studies
- COMM 125 - Media Technologies and Culture
- COMM 133 - Video Production
- COMM 158 - Film
- ENGL 025 - Creative Writing: Multi-Genre Studies
- ENGL 102 - Creative Writing
- PERFA 014 - World Music and Dance
- PERFA 033 - Acting I: Principles of Performance
- PERFA 050 - Theatre for Social Justice: Interactive Theatre

### Artistic Understanding - Artistic Analysis only

- AH 001 - Survey of World Art: Europe and the United States
- AH 002 - Survey of World Arts: Africa, and the Americas
- AH 144 - Issues in Non-Western Art
- ATC 180 - Seminar in Theory & Practice of Art
- ENGL 023 - Voices of American Diversity
- ENGL 105 - Children's Literature
- ENGL 153 - American Ethnic Writers and Oral Traditions
- ENGL 154 - Studies in African-American Literature
- ENGL 163 - Anglophone Literatures
- ENGL 173 - Women Writers
- FREN 130 - Thematic and Stylistic Study of a Single French Author or Genre
- WLC 186 - Culture and Civilization of Italy
- WLC 126 - Film
- PERFA 001 - Perceiving the Performing Arts
- PERFA 010 - Introduction to Music: Rock to Bach
- PERFA 061 - World Theatre Experience
- PERFA 113 - Jazz and Blues in America
- PERFA 181 - Asian Dance in the Contemporary World
- PERFA 184 - Dance in Performance
- SPAN 011 - Introduction to Literature
- SPAN 120 - Spanish Literature: Middle Ages to Eighteenth Century
- SPAN 121 - Spanish Literature: Eighteenth Century to the Mid-Twentieth Century
- SPAN 140 - Latin American Literature I
- SPAN 141 - Latin American Literature II

### Artistic Understanding - Creative Practice only

- ART 001 - Studio Art
- ART 102 - Advanced Painting
- ART 155 - Experimental Film/Video
- ES 150
- PERFA 012 - Beginning and Intermediate Piano
- PERFA 019 - Performing Ensembles
- PERFA 037 - Performance Lab
- PERFA 070 - Ballroom, Jazz, Tap and Hip-hop Dance courses
- PERFA 071 - Pilates, Somatic Dance and Yoga Courses
- PERFA 075 - Modern/Contemporary Dance Courses
- PERFA 076 - Ballet Courses
- PERFA 090 - Choreography I (.5) and Choreography I Lab (.5)
- PERFA 132 - Play in Production
- PERFA 142 - Theatre Production Practicum
- PERFA 152 - Making Theatre: One Act Plays
- PERFA 171 - Advanced Pilates, Somatic Dance and Yoga courses
- PERFA 175 - Advanced Modern/Contemporary Dance Courses
- PERFA 176 - Intermediate and Advanced Ballet Courses

### Scientific Understanding: One Course, with Lab

- BIOL 007 - Introduction to Biological Anthropology, with laboratory
- BIOL 050 - General Biology
- BIOL 051 - General Biology Laboratory
- BIOL 088 - Biology of Women
- BIOL 089 - Biology of Women Laboratory
- EES 040 - Physical Geology, with laboratory
- EES 050 - Historical Geology, with laboratory
- EES 092 - Introduction to Environmental Science, with laboratory
- PHYSI 040 - Revolutions in Science
- PHYSI 041 - Revolutions in Science Laboratory
- PHYSI 090 - Introduction to Astronomy
- PHYSI 091 - Astronomy Laboratory

### Social, Historical, Cultural Understanding: Two courses

- JCL 120 - Theory and Inquiry in Justice, Community and Leadership
- HIST 017 - History of the United States to the Civil War
- HIST 018 - History of the United States since Reconstruction
- ECON 003 - Principles of Microeconomics
- ECON 004 - Principles of Macroeconomics
- ECON 010 - Economics and Society
- ECON 150 - Environmental and Natural Resources Economics
- SOC 115 - Wealth and Poverty
- TRS 117 - Wealth and Poverty in the Bible (may satisfy SHCU or TE, but not both)

### Theological Explorations: One course

- PHIL 130 - Ethics
- ANTH 117 - Anthropology of Religion
- TRS 117 - Wealth and Poverty in the Bible (may satisfy SHCU or TE, but not both)
- TRS 118 - Women and the Bible
- TRS 125 - Theologies of Liberation
- TRS 141 - Christian Ethics
- TRS 142 - Medical Ethics
- TRS 143 - Catholic Social Teaching
- TRS 151 - Judaism
- TRS 152 - Islam: Beliefs and Practices
- TRS 153 - Eastern Religions
- TRS 154 - Hinduism
- TRS 155 - Buddhism
- TRS 156 - Religions of India
- TRS 171 - Gender and Religion in American Culture
- TRS 174 - Sustainability, Religion, Spirituality
- TRS 176 - Spirituality in Practice

## **Justice, Community and Leadership, Education Specialist Teacher Education, BA**

### **JCL Common Curriculum**

All students, regardless of concentration, must complete the JCL common curriculum. Students complete additional course requirements determined by their area of concentration. Please note that JCL students meet many requirements of the SMC Core Curriculum within the major and their chosen concentration.

### **Common Curriculum - Lower Division**

- JCL 010 - Introduction to Justice, Community and Leadership
  - ECON 010 - Economics and Society
- MSTE and SPED Concentrations will take one of the following in lieu of ECON 010:
- HIST 017 - History of the United States to the Civil War, OR
  - HIST 018 - History of the United States since Reconstruction

### **Common Curriculum - Upper Division**

- JCL 120 - Theory and Inquiry in Justice, Community and Leadership
- JCL 150 - Advanced Leadership Theory
- JCL 190 - Senior Portfolio (.25)
- JCL 196 - Senior Capstone I

### **Common Curriculum - Upper Division JCL Electives**

Choose two from the following:

- JCL 130 - Environmental Justice
- JCL 140 - The Global Community
- JCL 163 - Special Topics
- JCL 195 - Internship

## JCL Education Specialist Teacher Education - Additional Requirements

### Lower Division

- EDUC 020 - Introduction to the Teaching Profession (Transfer students may substitute JCL 129)

### Upper Division Credential Courses

- EDUC 122 (JanTerm)
- MSTE 112
- SSTE 176 (.25)
- SPED 130
- SPED 180
- SPED 185 (.5)
- SPED 187 (.5)
- SPED 189
- SPED 192
- SPED 193 (.25)
- SPED 194
- SPED 198

## JCL Common Curriculum: Required Interdisciplinary Content

*In addition to the above courses, JCL majors meet other program requirements from a specific menu of options:*

### Artistic Understanding

*Two full-credit courses that meet the Artistic Analysis requirement and one (full or .25) that meets the Creative Practice requirement (please note that some courses meet both the analysis and creative practice requirements)*

### Artistic Understanding - Artistic Analysis and Creative Practice

- ART 055 - Digital Art: Photo, Video and Sound
- ART 065 - Web Design and Interactive Art
- ART 070 - Printmaking
- ATC 080 - Art Theory
- COMM 002 - Introduction to Media and Cultural Studies
- COMM 125 - Media Technologies and Culture
- COMM 133 - Video Production

- COMM 158 - Film
- ENGL 025 - Creative Writing: Multi-Genre Studies
- ENGL 102 - Creative Writing
- PERFA 014 - World Music and Dance
- PERFA 033 - Acting I: Principles of Performance
- PERFA 050 - Theatre for Social Justice: Interactive Theatre

### Artistic Understanding - Artistic Analysis only

- AH 001 - Survey of World Art: Europe and the United States
- AH 002 - Survey of World Arts: Africa, and the Americas
- AH 144 - Issues in Non-Western Art
- ATC 180 - Seminar in Theory & Practice of Art
- ENGL 023 - Voices of American Diversity
- ENGL 105 - Children's Literature
- ENGL 153 - American Ethnic Writers and Oral Traditions
- ENGL 154 - Studies in African-American Literature
- ENGL 163 - Anglophone Literatures
- ENGL 173 - Women Writers
- FREN 130 - Thematic and Stylistic Study of a Single French Author or Genre
- WLC 186 - Culture and Civilization of Italy
- WLC 126 - Film
- PERFA 001 - Perceiving the Performing Arts
- PERFA 010 - Introduction to Music: Rock to Bach
- PERFA 061 - World Theatre Experience
- PERFA 113 - Jazz and Blues in America
- PERFA 181 - Asian Dance in the Contemporary World
- PERFA 184 - Dance in Performance
- SPAN 011 - Introduction to Literature
- SPAN 120 - Spanish Literature: Middle Ages to Eighteenth Century
- SPAN 121 - Spanish Literature: Eighteenth Century to the Mid-Twentieth Century
- SPAN 140 - Latin American Literature I
- SPAN 141 - Latin American Literature II

### Artistic Understanding - Creative Practice only

- ART 001 - Studio Art
- ART 102 - Advanced Painting
- ART 155 - Experimental Film/Video
- ES 150
- PERFA 012 - Beginning and Intermediate Piano
- PERFA 019 - Performing Ensembles
- PERFA 037 - Performance Lab
- PERFA 070 - Ballroom, Jazz, Tap and Hip-hop Dance courses
- PERFA 071 - Pilates, Somatic Dance and Yoga Courses
- PERFA 075 - Modern/Contemporary Dance Courses
- PERFA 076 - Ballet Courses



- PERFA 090 - Choreography I (.5) and Choreography I Lab (.5)
- PERFA 132 - Play in Production
- PERFA 142 - Theatre Production Practicum
- PERFA 152 - Making Theatre: One Act Plays
- PERFA 171 - Advanced Pilates, Somatic Dance and Yoga courses
- PERFA 175 - Advanced Modern/Contemporary Dance Courses
- PERFA 176 - Intermediate and Advanced Ballet Courses

## Scientific Understanding: One Course, with Lab

- BIOL 007 - Introduction to Biological Anthropology, with laboratory
- BIOL 050 - General Biology
- BIOL 051 - General Biology Laboratory
- BIOL 088 - Biology of Women
- BIOL 089 - Biology of Women Laboratory
- EES 040 - Physical Geology, with laboratory
- EES 050 - Historical Geology, with laboratory
- EES 092 - Introduction to Environmental Science, with laboratory
- PHYSI 040 - Revolutions in Science
- PHYSI 041 - Revolutions in Science Laboratory
- PHYSI 090 - Introduction to Astronomy
- PHYSI 091 - Astronomy Laboratory

## Social, Historical, Cultural Understanding: Two courses

- JCL 120 - Theory and Inquiry in Justice, Community and Leadership
- HIST 017 - History of the United States to the Civil War
- HIST 018 - History of the United States since Reconstruction
- ECON 003 - Principles of Microeconomics
- ECON 004 - Principles of Macroeconomics
- ECON 010 - Economics and Society
- ECON 150 - Environmental and Natural Resources Economics
- SOC 115 - Wealth and Poverty
- TRS 117 - Wealth and Poverty in the Bible (may satisfy SHCU or TE, but not both)

## Theological Explorations: One course

- PHIL 130 - Ethics
- ANTH 117 - Anthropology of Religion
- TRS 117 - Wealth and Poverty in the Bible (may satisfy SHCU or TE, but not both)
- TRS 118 - Women and the Bible
- TRS 125 - Theologies of Liberation
- TRS 141 - Christian Ethics
- TRS 142 - Medical Ethics
- TRS 143 - Catholic Social Teaching
- TRS 151 - Judaism
- TRS 152 - Islam: Beliefs and Practices

- TRS 153 - Eastern Religions
- TRS 154 - Hinduism
- TRS 155 - Buddhism
- TRS 156 - Religions of India
- TRS 171 - Gender and Religion in American Culture
- TRS 174 - Sustainability, Religion, Spirituality
- TRS 176 - Spirituality in Practice

## **Justice, Community and Leadership, Multiple Subject Teacher Education, BA**

### **JCL Common Curriculum**

All students, regardless of concentration, must complete the JCL common curriculum. Students complete additional course requirements determined by their area of concentration. Please note that JCL students meet many requirements of the SMC Core Curriculum within the major and their chosen concentration.

#### **Common Curriculum - Lower Division**

- JCL 010 - Introduction to Justice, Community and Leadership
- ECON 010 - Economics and Society  
MSTE and SPED Concentrations will take one of the following in lieu of ECON 010:
- HIST 017 - History of the United States to the Civil War, OR
- HIST 018 - History of the United States since Reconstruction

#### **Common Curriculum - Upper Division**

- JCL 120 - Theory and Inquiry in Justice, Community and Leadership
- JCL 150 - Advanced Leadership Theory
- JCL 190 - Senior Portfolio (.25)
- JCL 196 - Senior Capstone I

#### **Common Curriculum - Upper Division JCL Electives**

Choose two from the following:

- JCL 130 - Environmental Justice
- JCL 140 - The Global Community
- JCL 163 - Special Topics
- JCL 195 - Internship

## **JCL Multiple Subject Teacher Education - Additional Requirements**

### **Lower Division**

- Any one (1) courses that satisfies the MU - Mathematical Understanding core curriculum requirement.

## Upper Division Credential Courses

- MSTE 112
- MSTE 123 (.25)
- MSTE 142 (.25)
- MSTE 163
- MSTE 164
- MSTE 175 (.25)
- MSTE 111
- MSTE 117 (.5)
- MSTE 121
- MSTE 128 (.5)
- MSTE 145
- MSTE 149
- MSTE 150
- EDUC 124 (.25)
- SPED 191 (.5)

## JCL Common Curriculum: Required Interdisciplinary Content

*In addition to the above courses, JCL majors meet other program requirements from a specific menu of options:*

### Artistic Understanding

*Two full-credit courses that meet the Artistic Analysis requirement and one (full or .25) that meets the Creative Practice requirement (please note that some courses meet both the analysis and creative practice requirements)*

### Artistic Understanding - Artistic Analysis and Creative Practice

- ART 055 - Digital Art: Photo, Video and Sound
- ART 065 - Web Design and Interactive Art
- ART 070 - Printmaking
- ATC 080 - Art Theory
- COMM 002 - Introduction to Media and Cultural Studies
- COMM 125 - Media Technologies and Culture
- COMM 133 - Video Production
- COMM 158 - Film
- ENGL 025 - Creative Writing: Multi-Genre Studies
- ENGL 102 - Creative Writing
- PERFA 014 - World Music and Dance
- PERFA 033 - Acting I: Principles of Performance
- PERFA 050 - Theatre for Social Justice: Interactive Theatre

### Artistic Understanding - Artistic Analysis only

- AH 001 - Survey of World Art: Europe and the United States
- AH 002 - Survey of World Arts: Africa, and the Americas
- AH 144 - Issues in Non-Western Art
- ATC 180 - Seminar in Theory & Practice of Art
- ENGL 023 - Voices of American Diversity
- ENGL 105 - Children's Literature
- ENGL 153 - American Ethnic Writers and Oral Traditions
- ENGL 154 - Studies in African-American Literature
- ENGL 163 - Anglophone Literatures
- ENGL 173 - Women Writers
- FREN 130 - Thematic and Stylistic Study of a Single French Author or Genre
- WLC 186 - Culture and Civilization of Italy
- WLC 126 - Film
- PERFA 001 - Perceiving the Performing Arts
- PERFA 010 - Introduction to Music: Rock to Bach
- PERFA 061 - World Theatre Experience
- PERFA 113 - Jazz and Blues in America
- PERFA 181 - Asian Dance in the Contemporary World
- PERFA 184 - Dance in Performance
- SPAN 011 - Introduction to Literature
- SPAN 120 - Spanish Literature: Middle Ages to Eighteenth Century
- SPAN 121 - Spanish Literature: Eighteenth Century to the Mid-Twentieth Century
- SPAN 140 - Latin American Literature I
- SPAN 141 - Latin American Literature II

### Artistic Understanding - Creative Practice only

- ART 001 - Studio Art
- ART 102 - Advanced Painting
- ART 155 - Experimental Film/Video
- ES 150
- PERFA 012 - Beginning and Intermediate Piano
- PERFA 019 - Performing Ensembles
- PERFA 037 - Performance Lab
- PERFA 070 - Ballroom, Jazz, Tap and Hip-hop Dance courses
- PERFA 071 - Pilates, Somatic Dance and Yoga Courses
- PERFA 075 - Modern/Contemporary Dance Courses
- PERFA 076 - Ballet Courses
- PERFA 090 - Choreography I (.5) and Choreography I Lab (.5)
- PERFA 132 - Play in Production
- PERFA 142 - Theatre Production Practicum
- PERFA 152 - Making Theatre: One Act Plays
- PERFA 171 - Advanced Pilates, Somatic Dance and Yoga courses
- PERFA 175 - Advanced Modern/Contemporary Dance Courses
- PERFA 176 - Intermediate and Advanced Ballet Courses

### Scientific Understanding: One Course, with Lab

- BIOL 007 - Introduction to Biological Anthropology, with laboratory
- BIOL 050 - General Biology
- BIOL 051 - General Biology Laboratory
- BIOL 088 - Biology of Women
- BIOL 089 - Biology of Women Laboratory
- EES 040 - Physical Geology , with laboratory
- EES 050 - Historical Geology , with laboratory
- EES 092 - Introduction to Environmental Science, with laboratory
- PHYSI 040 - Revolutions in Science
- PHYSI 041 - Revolutions in Science Laboratory
- PHYSI 090 - Introduction to Astronomy
- PHYSI 091 - Astronomy Laboratory

### **Social, Historical, Cultural Understanding: Two courses**

- JCL 120 - Theory and Inquiry in Justice, Community and Leadership
- HIST 017 - History of the United States to the Civil War
- HIST 018 - History of the United States since Reconstruction
- ECON 003 - Principles of Microeconomics
- ECON 004 - Principles of Macroeconomics
- ECON 010 - Economics and Society
- ECON 150 - Environmental and Natural Resources Economics
- SOC 115 - Wealth and Poverty
- TRS 117 - Wealth and Poverty in the Bible (may satisfy SHCU or TE, but not both)

### **Theological Explorations: One course**

- PHIL 130 - Ethics
- ANTH 117 - Anthropology of Religion
- TRS 117 - Wealth and Poverty in the Bible (may satisfy SHCU or TE, but not both)
- TRS 118 - Women and the Bible
- TRS 125 - Theologies of Liberation
- TRS 141 - Christian Ethics
- TRS 142 - Medical Ethics
- TRS 143 - Catholic Social Teaching
- TRS 151 - Judaism
- TRS 152 - Islam: Beliefs and Practices
- TRS 153 - Eastern Religions
- TRS 154 - Hinduism
- TRS 155 - Buddhism
- TRS 156 - Religions of India
- TRS 171 - Gender and Religion in American Culture
- TRS 174 - Sustainability, Religion, Spirituality
- TRS 176 - Spirituality in Practice

### **Justice, Community and Leadership Minor**

*The following courses are required:*

## Lower Division

Required

- ECON 010 - Economics and Society
- JCL 010 - Introduction to Justice, Community and Leadership

## Upper Division

Required

- JCL 150 - Advanced Leadership Theory
- JCL 190 - Senior Portfolio (.25)

AND at least two of the following:

- JCL 120 - Theory and Inquiry in Justice, Community and Leadership
- JCL 130 - Environmental Justice
- JCL 140 - The Global Community

Also, one more elective

(if not all three of JCL 120, JCL 130, JCL 140 are taken) from the following list:

- BUSAD 181 - Business Ethics and Social Responsibility
- COMM 161 - Communication and Social Justice
- ECON 150 - Environmental and Natural Resources Economics
- ECON 152 - Labor Economics
- ECON 192 - Economic Development
- HIST 136 - Immigration and Ethnic Relations in American History
- HIST 138 - The Development of Modern American Culture
- HIST 139 - History of Women in America
- HIST 141 - African-American History: 1865 to the Present
- HIST 151 - Women in Latin American History
- HIST 152 - Revolution in Latin America
- HIST 155 - Latin American Environmental History
- HIST 163 - Ethnic Identity and Conflict in China
- PHIL 130 - Ethics
- POL 106 - Politics of Labor
- POL 110 - Politics of Race
- POL 115 - Theories of Justice
- POL 125 - Human Rights
- POL 126 - Food Politics
- POL 135 - Environmental Politics
- SOC 101 - The Sociological Imagination
- SOC 114 - Urban Studies
- SOC 115 - Wealth and Poverty

- SOC 116 - Global Migration
- SOC 120 - Social Movements
- SOC 122 - Education and Society
- SOC 124 - Justice and Community
- SOC 128 - Crime and Delinquency
- SOC 134
- TRS 117 - Wealth and Poverty in the Bible
- TRS 141 - Christian Ethics
- TRS 142 - Medical Ethics
- TRS 143 - Catholic Social Teaching
- TRS 151 - Judaism
- TRS 153 - Eastern Religions
- TRS 154 - Hinduism
- TRS 155 - Buddhism
- TRS 156 - Religions of India
- TRS 171 - Gender and Religion in American Culture
- TRS 174 - Sustainability, Religion, Spirituality
- TRS 176 - Spirituality in Practice
- WGS 107 - Research Seminar in Women's and Gender Studies

## Justice, Community and Leadership Minor: Single Subject 4+1

Students earn their Bachelor's degree at the end of four years in their major and a single-subject credential at the end of their fifth year. Students begin credentialing courses as undergraduate seniors.

**Requirements:** Students must complete 7 credits, which may be double-counted towards core curriculum requirements. Courses taken to satisfy students' major may not also count toward completion of the minor. JCL majors cannot minor in Single Subject 4+1.

### Lower Division

- JCL 010 - Introduction to Justice, Community and Leadership
- EDUC 020 - Introduction to the Teaching Profession

### Upper Division

One of the following:

(For English it needs to meet SHCU -- JCL 120):

- JCL 120 - Theory and Inquiry in Justice, Community and Leadership
- JCL 130 - Environmental Justice
- JCL 140 - The Global Community
- JCL 150 - Advanced Leadership Theory
- JCL 163 - Special Topics

All of the following:

- EDUC 122
- JCL 125 - Text-Based Discussions in Middle School(.25)
- SSTE 111
- SSTE 154 (.5)
- SSTE 174
- SSTE 176 (.25)

## After Completion of the BA and the minor:

In their fifth year, students will officially enter the Graduate Program in the School of Education and complete their credential.

# Kinesiology

## Faculty

**Chi-An Emhoff, PhD**, *Associate Professor, Chair*

**Robin Dunn, PhD**, *Assistant Professor*

**Craig Johnson, PhD**, *Associate Professor*

**Deane Lamont, PhD**, *Professor*

**Derek Marks, PhD**, *Associate Professor*

**Steve Miller, PhD**, *Associate Professor*

**Claire Williams, PhD**, *Associate Professor*

## Learning Outcomes

*Department of Kinesiology undergraduates will be able to demonstrate:*

- a knowledge of the field's subdisciplines, their theoretical and knowledge bases, and major research foci and implications.
- the ability to analyze, interpret, synthesize, and integrate scholarly material.
- critical thinking through high level written and verbal communication.
- knowledge of the human body and its relevance to physical activity and health.
- knowledge of and ability to effectively utilize contemporary information literacy practices.
- the ability to engage in cogent, in-depth dialogue concerning the value of the field to contemporary society through analyses of historical and current issues and problems.
- professional decision making skills grounded in sound philosophical and theoretical principles.
- an understanding and respect for the value of individuals, communities, and perspectives of difference.

## Major Requirements

The Kinesiology major at Saint Mary's College is a four-year course of study leading to either a Bachelor of Arts or a Bachelor of Science depending on the student's area of interest. The major requires rigorous study of the human being in motion. We examine the whole person-anatomically, physiologically, biomechanically, psychologically, sociologically, and historically-across the lifespan. Our domains are health, sport, and physical activity. Students select one area within which to study: Sport and Recreation Management (Bachelor of Arts), Health Promotion (Bachelor of



Arts), or Exercise Science (Bachelor of Science). Students may not transfer more than two upper-division courses from another institution for credit in the Kinesiology major. Online courses are generally not accepted for credit in the major.

A minimum 2.0 GPA within the major is required for graduation.

## Prerequisite Grade

*Any course listed in this department with a prerequisite assumes a grade of C- or better in the prerequisite course.*

## Kinesiology, Exercise Science, BS

This emphasis provides students with a broad knowledge base, critical thinking and communication skills, and practical experience in the exercise sciences. The interdisciplinary coursework, in addition to labs, research, and practicum experiences, educates students to become effective and socially responsible contributors to the scientific community and subject population. This curriculum also prepares students to pursue professional certifications, professional and graduate programs, and advanced careers in the field. Exercise Science majors are prominent in the wellness, sport, and fitness industries; health care settings, such as injury prevention and exercise rehabilitation; and as trainers and coaches for individual and team athletes.

Students in the Exercise Science track are required to complete the following coursework:

### Lower Division

- KINES 010 - Introduction to Kinesiology
- KINES 015 - Research Methods and Writing in Kinesiology
- BIOL 010 - Introduction to Biology
- BIOL 011 - Introduction to Biology Laboratory
- BIOL 013 - Human Anatomy for Kinesiology
- BIOL 014 - Human Anatomy Laboratory
- BIOL 025 - Human Physiology
- BIOL 026 - Human Physiology Laboratory
- CHEM 002 - Principles of Chemistry
- CHEM 003 - Principles of Chemistry Lab
  
- MATH 004 - Introduction to Probability and Statistics  
OR
- MATH 013 - Calculus with Elementary Functions I  
OR
- MATH 027 - Calculus I

### Upper Division

- KINES 102 - Structural Biomechanics
- KINES 107 - Nutrition for Sport and Physical Activity
- KINES 110 - Exercise Physiology
- KINES 110L - Exercise Physiology Laboratory AND
- KINES 112 - Sport and Exercise Psychology
- KINES 117 - Motor Learning and Control

## Additional Requirements

One course may be taken from another relevant academic unit such as: Anthropology, Biology, Chemistry, Communication, Politics, Psychology, or Sociology. This class should be relevant to the exercise science emphasis. Coursework samples are available from the Department of Kinesiology.

A minimum of four additional 1.0 unit upper-division courses are required, at least one of which must be:

- KINES 109 - Care and Prevention of Athletic Injuries
- KINES 115 - Fitness Assessment and Exercise Prescription
- KINES 115L - Fitness Assessment and Exercise Prescription Laboratory
- OR
- KINES 122 - Principles of Strength and Conditioning
- KINES 122L - Principles in Strength and Conditioning Laboratory

## Kinesiology, Health Promotion, BA

This emphasis prepares students with interests in the field of public health, health education and promotion, and wellness. Course work has been designed to meet the four Critical Component Elements for undergraduate health education programs.

Students in the Health Promotion track are required to complete the following coursework:

### Lower Division

- KINES 010 - Introduction to Kinesiology
- KINES 014 - Introduction to Health Promotion
- KINES 015 - Research Methods and Writing in Kinesiology

### Upper Division

- KINES 118 - Community Health
- KINES 127 - Health Promotion: Planning and Evaluation
- KINES 128 - Global Impact of Physical Inactivity
- KINES 130 - Multicultural Health and Wellness
- KINES 195 - Internship

AND two of the following:

- KINES 107 - Nutrition for Sport and Physical Activity
- KINES 108 - Legal and Administrative Issues
- KINES 112 - Sport and Exercise Psychology
- KINES 114 - Sociology of Sport and Physical Activity
- KINES 131 - Sport and Social Justice
- TRS 142 - Medical Ethics

## Note

A minimum of **three** additional 1.0 unit upper-division courses are required. Students will select **one course** from each of the three foci: Environmental Health, Health & Human Diversity, and Health Communication & Advocacy. The courses have been identified from relevant academic units including Anthropology, Communication, Economics, Environmental & Earth Science, Global & Regional Studies, Justice Community & Leadership, Political Science, Psychology, and Sociology. Coursework samples are available from the Department of Kinesiology.

## Kinesiology, Sport and Recreation Management, BA

This emphasis serves students interested in leadership roles in the fields of sport, fitness, and athletics. Coursework provides the philosophical grounding and administrative skills necessary for success in these domains.

Students in the Sport and Recreation Management track are required to complete the following coursework:

### Lower Division

- KINES 010 - Introduction to Kinesiology
- KINES 012 - Fitness and Health Education
- KINES 015 - Research Methods and Writing in Kinesiology
- KINES 020 - Introduction to Sport and Recreation Management
- ACCTG 001 - Financial Accounting
- ECON 003 - Principles of Microeconomics

### Upper Division

- KINES 105 - Facility and Event Management
- KINES 108 - Legal and Administrative Issues
- KINES 111 - History of Sport
- KINES 112 - Sport and Exercise Psychology
- KINES 114 - Sociology of Sport and Physical Activity
- KINES 132 - Sports Marketing
- KINES 195 - Internship
- BUSAD 120 - Business Law
- BUSAD 131 - Managing and Leading in Organizations
- ECON 180 - Sports Economics

## Note

Math is a Saint Mary's College core curriculum requirement. The Department of Kinesiology highly recommends that students with an emphasis in Sport and Recreation Management complete MATH 004 - Introduction to Probability and Statistics.

## Kinesiology, Exercise Science Minor

A minor in Kinesiology Exercise Science requires 5 courses AND a prerequisite of Physiology (BIOL 025 /026 or BIOL 127 /127L) or its equivalent as approved by the Department Chair. Some upper-division elective courses have a prerequisite of Anatomy (BIOL 013/BIOL 014, BIOL 015/BIOL 016 or BIOL 128) or its equivalent as approved by the Department Chair. Any KINES courses that count toward a major cannot also count toward a minor in Kinesiology.

## Lower Division

- KINES 010 - Introduction to Kinesiology

## Upper Division

Note: KINES 110/L has a prerequisite of Physiology (BIOL 025/026 or BIOL 127/L) or its equivalent as approved by the Department Chair.

- KINES 110 - Exercise Physiology
- KINES 110L - Exercise Physiology Laboratory (must be taken concurrently with KINES 110)

## Electives

Choose **three** upper-division electives:

*Note: KINES 102, 109, and 122/L require Anatomy. KINES 107, 115/L, and 122/L require Physiology.*

- KINES 102 - Structural Biomechanics
- KINES 107 - Nutrition for Sport and Physical Activity
- KINES 109 - Care and Prevention of Athletic Injuries
- KINES 112 - Sport and Exercise Psychology
- KINES 115 - Fitness Assessment and Exercise Prescription (with lab: KINES 115L)
- KINES 117 - Motor Learning and Control
- KINES 122 - Principles of Strength and Conditioning (with lab: KINES 122L)

## Kinesiology, Health Promotion Minor

A minor in Kinesiology Health Promotion requires 6 courses. Any courses that count toward a major cannot also count toward a minor in Kinesiology.

## Lower Division

- KINES 010 - Introduction to Kinesiology
- KINES 014 - Introduction to Health Promotion

## Upper Division

- KINES 118 - Community Health
- KINES 127 - Health Promotion: Planning and Evaluation

## Electives

Choose two of the following electives:

- KINES 106 - Women in Sport
- KINES 112 - Sport and Exercise Psychology
- KINES 128 - Global Impact of Physical Inactivity
- KINES 130 - Multicultural Health and Wellness
- KINES 131 - Sport and Social Justice
- KINES 195 - Internship

## Kinesiology, Sport and Recreation Management Minor

A minor in Kinesiology Sport & Recreation Management requires 6 courses. Any courses that count toward a major cannot also count toward a minor in Kinesiology.

### Lower Division

- KINES 010 - Introduction to Kinesiology
- KINES 020 - Introduction to Sport and Recreation Management

### Upper Division

- KINES 105 - Facility and Event Management
- KINES 108 - Legal and Administrative Issues
- KINES 132 - Sports Marketing

## Electives

Choose one of the following electives:

- KINES 106 - Women in Sport
- KINES 111 - History of Sport
- KINES 112 - Sport and Exercise Psychology
- KINES 114 - Sociology of Sport and Physical Activity
- KINES 131 - Sport and Social Justice
- KINES 195 - Internship

## Kinesiology, Sport Studies Minor

### Kinesiology, Sport Studies Minor

A minor in Kinesiology Sport Studies requires 5 courses. Any courses that count toward a major cannot also count toward a minor in Kinesiology.

## Lower Division

- KINES 010 - Introduction to Kinesiology
- KINES 012 - Fitness and Health Education

## Upper Division Electives

Choose **three** of the following electives:

- KINES 106 - Women in Sport
- KINES 111 - History of Sport
- KINES 112 - Sport and Exercise Psychology
- KINES 114 - Sociology of Sport and Physical Activity
- KINES 131 - Sport and Social Justice

## Mathematics and Computer Science

Mathematics is a liberal art fundamental to a true education. Its study trains students in analytical thinking. Graduates of the department are active in an extraordinarily wide range of careers. The department offers a bachelor of science degree in mathematics with a pure, applied, and computer science track. A minor in mathematics is available.

## Faculty

**Ellen Veomett, PhD, Professor, Chair**  
**Anastasia Chavez, PhD, Assistant Professor**  
**Andrew Conner, PhD, Associate Professor**  
**Udayan Das, PhD, Associate Professor**  
**Charles R. Hamaker, PhD, Professor**  
**Chris Jones, PhD, Professor, Chair**  
**Lidia R. Luquet, PhD, Professor Emerita**  
**Satbir Malhi, PhD, Assistant Professor**  
**Brother Raphael Patton, FSC, PhD, Professor Emeritus**  
**Kathryn F. Porter, PhD, Professor**  
**Jane R. Sangwine-Yager, PhD, Professor Emerita**  
**Jim Sauerberg, PhD, Professor**

## Learning Outcomes

*When they have completed a mathematics major, students will be able to:*

- **DEMONSTRATE** a mastery of the core SMC undergraduate mathematics curriculum.
- **COMMUNICATE** mathematical ideas and concepts correctly and clearly in both oral and written forms using mathematical reasoning and terminology and symbolic representation.
- **UNDERTAKE** scholarly investigations using appropriate mathematical resources.
- **INTEGRATE** the use of technological tools into their investigations.
- **DEMONSTRATE** knowledge of connections within mathematics and applications to other fields.

# Major Requirements

The Department of Mathematics and Computer Science offers three tracks within the mathematics major: Pure, Applied, and Computer Science. Each is a Bachelor of Science degree.

A student wishing to major in mathematics should have a strong interest in the field and normally a background of four years of high school mathematics (two years of algebra, one year of geometry and one year of pre-calculus or equivalent).

## Prerequisite Grade

*Any course listed in this department with a prerequisite requires a grade of C- or better in the prerequisite course.*

## Suggested Four-Year Program

First-year students should take MATH 027 and MATH 038 and MA/CS 021. Failure to take these courses in the first year may make it impossible to complete the major in four years. It is also recommended for first-year students to enroll in PHYSI 001, PHYSI 002, PHYSI 003, PHYSI 004 or CHEM 008, CHEM 009, CHEM 010, CHEM 011. Those interested in developing a four-year program of study toward a major in mathematics may consult any department faculty member.

## Computer Science

Courses in computer science are designed to introduce students to the design of computer systems and their current applications, and to prepare students for using the computer as a tool to solve complex problems in the future. The emphasis is on the fundamental principles and questions of computation and computer structures.

## Minor Requirements

A student wishing to minor in computer science should have a strong interest in at least one area of application of computer science. Normally, a student is expected to have a background of four years of high school mathematics (two years of algebra, one year of geometry and one year of precalculus or equivalent). Students may not complete both the mathematics major and the computer science minor.

## Mathematics, Pure Track, BS

The pure track is designed primarily for students considering graduate study in mathematics or secondary mathematics teaching. It consists of ten (10) upper division courses.

### Lower Division

The following lower-division classes are required for all tracks in the mathematics major.

- MATH 027 - Calculus I
- MATH 038 - Calculus II

- MATH 039 - Calculus III
- MA/CS 021 - Programming I

### Plus either

- PHYSI 001 - Introduction to Physics I
- PHYSI 002 - Introduction to Physics I Laboratory
- PHYSI 003 - Introduction to Physics II
- PHYSI 004 - Introduction to Physics II Laboratory
- OR
- CHEM 008 - General Chemistry I
- CHEM 009 - General Chemistry Lab I
- CHEM 010 - General Chemistry II
- CHEM 011 - General Chemistry Lab II

### Upper Division

- MATH 103 - Introduction to Upper Division Mathematics
- MATH 111 - Abstract Algebra I
- MATH 120 - Linear Algebra with Applications
- MATH 150 - Real Analysis
- MATH 196 - Capstone Experience

### Plus two additional courses from:

- MATH 115 - Number Theory
- MATH 131 - Topology
- MATH 185 - Complex Variables

### Plus three upper division mathematics electives.

## Mathematics, Applied Track, BS

The applied track is designed for students planning on entering industry directly from college. It consists of nine (9) upper division courses.

### Lower Division

The following lower-division classes are required for all tracks in the mathematics major.

- MATH 027 - Calculus I
- MATH 038 - Calculus II
- MATH 039 - Calculus III
- MA/CS 021 - Programming I

### Plus either



- PHYSI 001 - Introduction to Physics I
- PHYSI 002 - Introduction to Physics I Laboratory
- PHYSI 003 - Introduction to Physics II
- PHYSI 004 - Introduction to Physics II Laboratory
- OR
- CHEM 008 - General Chemistry I
- CHEM 009 - General Chemistry Lab I
- CHEM 010 - General Chemistry II
- CHEM 011 - General Chemistry Lab II

## Upper Division

- MATH 103 - Introduction to Upper Division Mathematics
- MATH 120 - Linear Algebra with Applications
- MATH 196 - Capstone Experience

## Plus either

- MATH 111 - Abstract Algebra I
- OR
- MATH 150 - Real Analysis

## Plus three additional courses from:

- MATH 113 - Probability and Statistics
- MATH 114 - Mathematical Modeling
- MATH 134 - Differential Equations
- MA/CS 174 - Analysis of Algorithms

Plus two upper division electives at most one of which is a Computer Science course.

## Mathematics, Computer Science Track, BS

The Computer Science track is designed for students interested in an emphasis in Computer Science. It consists of nine (9) upper-division courses.

## Lower Division

The following lower-division classes are required for all tracks in the mathematics major.

- MATH 027 - Calculus I
- MATH 038 - Calculus II
- MATH 039 - Calculus III
- MA/CS 021 - Programming I

Plus either

- PHYSI 001 - Introduction to Physics I
  - PHYSI 002 - Introduction to Physics I Laboratory
  - PHYSI 003 - Introduction to Physics II
  - PHYSI 004 - Introduction to Physics II Laboratory
- OR
- CHEM 008 - General Chemistry I
  - CHEM 009 - General Chemistry Lab I
  - CHEM 010 - General Chemistry II
  - CHEM 011 - General Chemistry Lab II

## Upper Division

### Required Upper Division Courses

- MATH 103 - Introduction to Upper Division Mathematics
- MATH 120 - Linear Algebra with Applications
- MATH 140 - Combinatorics and Discrete Mathematics
- MATH 196 - Capstone Experience
- MA/CS 174 - Analysis of Algorithms

Plus either

- MATH 111 - Abstract Algebra I
- OR
- MATH 150 - Real Analysis

Plus three upper-division electives at least two of which are Computer Science courses.

## Mathematics Minor

### Minor Requirements

- MATH 027 - Calculus I
  - MATH 028 - Calculus II with Applications
- OR
- MATH 038 - Calculus II
  - MATH 120 - Linear Algebra with Applications
  - And two additional upper-division courses in mathematics.

### Recommended

- MATH 039 - Calculus III

# Computer Science Minor

## Minor Requirements

A student wishing to minor in computer science should have a strong interest in at least one area of application of computer science. Normally, a student is expected to have a background of four years of high school mathematics (two years of algebra, one year of geometry and one year of precalculus or equivalent). Students may not complete both the mathematics major and the computer science minor.

- MATH 027 - Calculus I
- MATH 028 - Calculus II with Applications  
OR
- MATH 038 - Calculus II
- MATH 140 - Combinatorics and Discrete Mathematics
- MA/CS 021 - Programming I
- MA/CS 174 - Analysis of Algorithms AND
- Two additional upper division computer science courses.

## Mathematics 4+1 Secondary Teaching Program

The Mathematics 4+1 Secondary Teacher's Program is designed for students at Saint Mary's College who are interested in becoming mathematics teachers at the secondary level and also earning a California Teaching Credential through the Kalmanovitz School of Education at Saint Mary's College. The student completes all courses to satisfy the mathematics major under the pure track in the Department of Mathematics and Computer Science with a few specific choices of courses, the Core Curriculum requirements, and yearly teaching experiences. In the senior year, the student takes four Single Subject Teaching courses to begin the teaching credential program. The student completes the remaining requirements for the teaching credential in the fifth year at SMC. At the end of four years, the student earns their BS in mathematics and at the end of the + 1 year the successful student earns the California teaching credential.

## Lower Division

The lower division mathematics and computer science courses required for this program are the same as for all mathematics majors. The required upper division mathematics courses are:

## Upper Division

- MATH 103 - Introduction to Upper Division Mathematics
- MATH 111 - Abstract Algebra I
- MATH 113 - Probability and Statistics
- MATH 115 - Number Theory
- MATH 120 - Linear Algebra with Applications
- MATH 131 - Topology
- MATH 150 - Real Analysis
- MATH 196 - Capstone Experience
- Plus two more upper division mathematics courses.

In addition, the student must complete the following:

- EDUC 020
- EDUC 122
- Two semesters of supplementary instruction, and participation in one semester of the Math Games.

## Note

First year students should take MATH 027, MATH 038, and MA/CS 021. Failure to take these courses in the first year may make it impossible to complete the program in 5 years.

## Secondary Teaching without Participating in the 4+1 Program

### Requirements

All students in California planning to enroll in a teaching credential program in mathematics after earning their undergraduate degree are required to demonstrate subject matter competency in mathematics prior to enrolling. Students at Saint Mary's College exhibit this competency by taking and passing the CSET (California Subject Exam for Teachers) in mathematics. Students interested in becoming a secondary mathematics teacher are advised to complete the following upper-division courses to prepare for the CSET:

- MATH 103 - Introduction to Upper Division Mathematics
- MATH 111 - Abstract Algebra I
- MATH 113 - Probability and Statistics
- MATH 115 - Number Theory
- MATH 120 - Linear Algebra with Applications
- MATH 131 - Topology
- MATH 150 - Real Analysis
- MATH 196 - Capstone Experience

### Pre-professional field experience

The California Commission on Teacher Credentialing (CCTC) also requires students to obtain "pre-professional field experience" before entering a credential program. This requirement is satisfied by EDUC 122: Field Experience, offered in the January Term. Students are required to contact the School of Education in September of their sophomore or junior year to meet with the faculty member teaching EDUC 122. Students should also speak with a representative of the School of Education to learn of any other requirements of the state of California for prospective secondary teachers.

## Performing Arts: Dance, Music, and Theatre

The Performing Arts Department offers a unique approach to the study of dance, music and theatre within a Liberal Arts context. Students receive conservatory-calibre training that prepares them for graduate studies or a career in the performing arts, while developing the critical thinking and communication skills that are the hallmark of a liberally educated person. All majors take a sequence of courses in their chosen discipline-emphasizing performance practice, history and theory, criticism and analysis in either music, dance or theatre. Performing Arts students are also encouraged to explore interdisciplinary pathways, through classes and performance opportunities beyond their home program.

The Performing Arts Department offers five separate majors:

- Dance: Choreography and Performance
- Dance Studies
- Music
- Theatre: Performance and Theatre Studies
- Theatre: Design and Technical Theatre

The Performing Arts Department builds creative artists with strong foundational skills and adventuresome spirits. Rigorous studio and lab courses build technique, while classes in history, theory and analysis foster critical engagement with the substance and styles of dance, music and theatre. Students learn to discuss and analyze both classic and contemporary works, and to understand the arts in the context of the history of great ideas and artistic achievements that have shaped our world.

The capstone of the Performing Arts degree is the senior project, for which students produce a substantial original research paper or creative work demonstrating their command of artistic and intellectual skills.

Performing Arts' signature values include:

- Mentoring by faculty members who are both outstanding teachers and accomplished artists.
- Frequent attendance at world-class dance, music, and theatre performances around the Bay Area.
- Multiple and varied performance opportunities, beginning with the first year.
- Challenging standards that help students achieve artistic excellence and professionalism.
- Master classes, guest lectures and informal contact with professional artists, connecting classroom learning with the real world.
- A welcoming and inclusive student cohort experience, in which students of all levels are supported and encouraged in their individual development.
- Stimulating creative collaborations and intellectual exchange between programs.

## Faculty

**Dana Lawton, MFA**, *Professor, Dance, Chair (Dance Movement, Choreography, Dance Appreciation, Dance Pedagogy)*

**Rosana Barragán, MFA**, *Associate Professor, (Phenomenology, Choreography, Somatic Movement, Dance History, Dance Movement)*

**CatherineMarie Davalos, MFA**, *Professor, Undergraduate Dance Program Director (Dance Movement, Dance History and Theory, Choreography, Somatic Movement, Dance Science, Production)*

**Rebecca Engle, MA**, *Professor, Head of Performance & Theatre Studies (Acting, Directing, Contemporary Theatre)*

**Julie Ford, DMA**, *Associate Professor, Music Program Director, Head of Vocal/Choral Arts (Classical, Pop, and Jazz Choirs, Vocal Science, Lyric Diction, Private Voice, Conducting)*

**Rogelio Lopez, MFA**, *Associate Professor, Director, MFA in Dance (Dance Movement, Choreography, Costume, Ballet Folklorico, Production)*

**Sixto Montesinos, DMA**, *Assistant Professor, Head of Instrumental Studies (Music Fundamentals, Orchestration, Sports Band, Chamber Music)*

**Lino Rivera, DMA**, *Professor (Piano, Music History, Music Theory, Form and Analysis, Chamber Music)*

**Martin Rokeach, PhD**, *Professor Emeritus, Music*

**Shaunna Vella, MFA**, *Adjunct Associate Professor, Director of LEAP (Dance Movement, Dance and Social Justice, Performance Studies, Choreography, Production)*

**Jia Wu, MFA**, *Associate Professor, (Dance Movement, Chinese Dance and Diaspora Studies, Dance for the Camera, Choreography)*

**Deanna Zibello, MFA**, *Associate Professor, Theatre Program Director, Head of Design and Technical Theatre (Scenic Design)*

# Learning Outcomes

*When they have completed the Performing Arts Program, students will be able to:*

- **USE** specific, technical terms appropriately when discussing works of dance, music or theatre.
- **ARTICULATE** significant structural elements when analyzing a work's form and meaning, and **RECOGNIZE** structural similarities between works of music, dance and theatre.
- **IDENTIFY** significant elements of a work's aesthetic, historical and cultural context, and **COMPARE** the work with others from within a similar context.
- **UTILIZE** a cross-disciplinary perspective and familiarity with the Great Books/Liberal Arts traditions to identify the ways performing artists draw inspiration from nature, history, one's own imagination, and the creative ideas of others.
- **ENGAGE** in critical discourse to explore how social identities are constructed, constrained, reinforced, and treated with inequality by systems of power, including within the field of performing arts. **ANALYZE** issues of access, representation, exclusion, and inclusion in the field and **DEVELOP** an understanding of performance-making as civic practice.
- **DEVELOP** the artist's instrument through exploration of the whole self - i.e., seek an active imagination, sense of one's spirit, use of empathy, ensemble awareness, self-expression, open communication, receptivity, and collaboration.
- **ACHIEVE** the capacity for sustained and focused rehearsal efforts, and for working collaboratively with different directors and performers.
- **DEMONSTRATE** advanced performance skills in live performance to meet the technical demands of masterworks of various styles, eras, and cultures, including original/contemporary works, including the ability to use a variety of techniques within the discipline.
- **EXHIBIT** proficiency in a variety of discipline-specific forms of writing appropriate to the writer's purpose and audience. [Examples: personal reflection; observation and description; critical analysis; evaluation; generating performance texts]
- **IDENTIFY**, locate and evaluate discipline-specific scholarly sources, and competently select, summarize, and synthesize pertinent research findings.
- **ENGAGE** discipline-specific skills and methods that **EXHIBIT** a capacity for goal-setting, time/ resource management, problem-solving and self-reflection in the realization of a capstone creative or research-based project.

## Prerequisite Grade

*Any course listed in this department with a prerequisite assumes a grade of C- or better in the prerequisite course or the permission of the chair to waive that provision.*

The Dance program also offers a concentration in Dance Science; consult the Director of the Dance Program, Professor Davalos.

# Split Major Agreements

**Dance and Biology**  
**Dance and Communication**  
**Dance and English**  
**Dance and Kinesiology**  
**Dance and Psychology**  
**Dance and Studio Art**  
**Musical Theatre and Studio Art**  
**Theatre and Studio Art**  
**Theatre and English**  
**Theatre and Social Justice (Sociology/Ethnic Studies)**

Students considering a split major or an individualized major must have a curricular plan approved and on file with the department and the Registrar's Office by the time they have accumulated 22 graduation units. For further information on these or other split or individualized majors, contact Department Chair Dana Lawton at [dlawton@stmarys-ca.edu](mailto:dlawton@stmarys-ca.edu).

## Prerequisite Grade

*Any course listed in this department with a prerequisite assumes a grade of C- or better in the prerequisite course or the permission of the chair to waive that provision.*

## Dance Studies, BA

### Requirements

- PERFA 001 - Perceiving the Performing Arts
- PERFA 075 - Modern/Contemporary Dance Courses Dance Company I/II (.25 x 4)
- PERFA 080 - Dance Science
- PERFA 090 - Choreography I (.5) and Choreography I Lab (.5)
- PERFA 115 - Music in Performance
- PERFA 135 - Theatre in Performance: Bay Area Theatre
- PERFA 175 - Advanced Modern/Contemporary Dance Courses Dance Company III/IV (.25 x 4)
- PERFA 181 - Asian Dance in the Contemporary World
- PERFA 182 - Dance History I
- PERFA 183 - Dance History II
- PERFA 184 - Dance in Performance
- PERFA 194 - Dance Production (.25 x 3 minimum)
- PERFA 198 - Senior Project

### Note

The Dance program also offers a concentration in Dance Science; consult the Director of the Dance Program, Professor Davalos.

## Dance: Choreography and Performance, BA

## Requirements

- Dance Company I/II/III/IV (.25 x 8)
- PERFA 075 - Modern/Contemporary Dance Courses
- OR
- PERFA 175 - Advanced Modern/Contemporary Dance Courses
  
- Beginning through Advanced Ballet and Pointe (.25 x 6)
- PERFA 076 - Ballet Courses
- OR
- PERFA 176 - Intermediate and Advanced Ballet Courses
  
- PERFA 080 - Dance Science
- PERFA 090 - Choreography I (.5) and Choreography I Lab (.5)
- PERFA 180 - Laban and Bartenieff Movement Studies
- PERFA 180L - Laban and Bartenieff Movement Studies Lab
- PERFA 181 - Asian Dance in the Contemporary World
- PERFA 182 - Dance History I
- PERFA 183 - Dance History II
- PERFA 184 - Dance in Performance
- PERFA 185 - Dance Pedagogy
- PERFA 190 - Choreography II
- PERFA 194 - Dance Production (.25 x 3 and one .25 ascrew)
- PERFA 198 - Senior Project (must be in choreography and performance)
- PERFA 143 - Production Management for Dance (.25 recommended)
- PERFA 144 - Lighting Design for Dance (.25 recommended)
- PERFA 192 - Dance Company Rehearsal/ Repertory
- PERFA 191 - Advanced Choreography (.25 recommended)

## Dance Minor

### Minor Requirements

- PERFA 001 - Perceiving the Performing Arts
  
- Dance Company I: Ballet and Modern (.25 x 2)
- PERFA 075 - Modern/Contemporary Dance Courses
  
- Dance Company II/II/IV: Modern (.25 x 2)
- PERFA 075 - Modern/Contemporary Dance Courses
- PERFA 175 - Advanced Modern/Contemporary Dance Courses
  
- Ballet II/III/IV (.25 required for performance)
- PERFA 076 - Ballet Courses
- PERFA 176 - Intermediate and Advanced Ballet Courses
  
- PERFA 080 - Dance Science



- PERFA 090 - Choreography I (.5) and Choreography I Lab (.5) AND Lab OR Jan Term Choreography course
- PERFA 177 - Intermediate and Advanced Technique Lab (.25 required for performance)
- PERFA 182 - Dance History I
- PERFA 183 - Dance History II
- PERFA 184 - Dance in Performance
- PERFA 194 - Dance Production

## Music, BA

### Requirements

All of the following:

- PERFA 010 - Introduction to Music: Rock to Bach
- PERFA 011 - Music Fundamentals
- PERFA 012 - Beginning and Intermediate Piano (.25)
- PERFA 019 - Performing Ensembles (.25 x 6)
- PERFA 112 - Private Music Instruction Lab (.25 x 5)
- PERFA 116 - Keyboard Harmony (.25)
- PERFA 114 - Music Theory
- PERFA 114L - Sight Singing and Ear Training (.25)
- PERFA 117 - Form and Analysis
- PERFA 120 - Conducting
- PERFA 121 - Orchestration
- PERFA 198 - Senior Project

Choose FOUR from the following

- PERFA 014 - World Music and Dance
- OR
- PERFA 113 - Jazz and Blues in America (can include both)
- PERFA 110 - Medieval and Renaissance Music
- PERFA 111 - Music and Romanticism
- PERFA 119 - Music and the Enlightenment
- PERFA 118 - Twentieth-Century Composers

AND EITHER of the following:

- PERFA 115 - Music in Performance
- PERFA 018 - Lyric Diction

## Music Minor

## Music

- PERFA 011 - Music Fundamentals
- PERFA 019 - Performing Ensembles (.25 x 4)
- PERFA 112 - Private Music Instruction Lab (.25 x 3)
- PERFA 114 - Music Theory

### A choice of EITHER:

- PERFA 001 - Perceiving the Performing Arts
- PERFA 010 - Introduction to Music: Rock to Bach

### A choice of EITHER:

- PERFA 012 - Beginning and Intermediate Piano(.25)
- PERFA 116 - Keyboard Harmony (.25)
- PERFA 114L - Sight Singing and Ear Training(.25)

### Choose TWO of the following:

- PERFA 014 - World Music and Dance
- PERFA 018 - Lyric Diction
- PERFA 110 - Medieval and Renaissance Music
- PERFA 111 - Music and Romanticism
- PERFA 113 - Jazz and Blues in America
  
- PERFA 115 - Music in Performance  
OR
- PERFA 120 - Conducting  
(not both)
  
- PERFA 117 - Form and Analysis
- PERFA 118 - Twentieth-Century Composers
- PERFA 119 - Music and the Enlightenment
- PERFA 121 - Orchestration

## Theatre: Design and Technical Theatre, BA

### Lower Division

- PERFA 001 - Perceiving the Performing Arts
- PERFA 030 - Foundations of Theatre I
- PERFA 033 - Acting I: Principles of Performance
- PERFA 035 - Play Analysis: International Drama (.5)
- PERFA 036 - Play Analysis: Modern Drama (.5)
- PERFA 042 - Introduction to Technical Theatre(.5)

- PERFA 047 - Technical Theatre/Design Lab (.25 x 4, a total of 1.0 units)

## Upper Division

- PERFA 130 - Foundations of Theatre II
- PERFA 136 - Theatre: Special Studies
- PERFA 138 - Portfolio Preparation (.25)
- PERFA 142 - Theatre Production Practicum (once for 1.0 and once for .5, for a total of 1.5 credits.)

### Any three of the following:

- PERFA 140 - Stage Management (.5)
- PERFA 147 - Costume Design (.5)
- PERFA 148 - Stage Lighting Design (.5)
- PERFA 149 - Scenic Design (.5)

### One upper-division elective from the following options:

- PERFA 115 - Music in Performance
- PERFA 135 - Theatre in Performance: Bay Area Theatre
- PERFA 152 - Making Theatre: One Act Plays  
PERFA 152 counts as an upper-division elective only when taken for 1.0 credit.
- PERFA 160 - Special Topics in Performing Arts
- PERFA 161 - Theatre and American Cultures (Multicultural Performance)
- PERFA 162 - Directing for the Stage
- PERFA 184 - Dance in Performance

### And both:

- PERFA 197 - Special Study Internship OR Special Study
- PERFA 198 - Senior Project (0.0 Fall, 1.0 Spring)

## Note

Most upper-division theatre courses are offered in alternate years only. Students must determine, prior to registration for their junior year, in a conference with their theatre advisor, which courses are offered in alternate years so that they will have an opportunity to complete all required courses in a timely manner.

## Theatre: Performance and Theatre Studies, BA

### Lower Division

- PERFA 001 - Perceiving the Performing Arts
- PERFA 030 - Foundations of Theatre I
- PERFA 033 - Acting I: Principles of Performance

- PERFA 035 - Play Analysis: International Drama (.5)
- PERFA 036 - Play Analysis: Modern Drama (.5)
- PERFA 037 - Performance Lab (.25 x 4, a total of 1.0 units)
- PERFA 042 - Introduction to Technical Theatre (.5)

## Upper Division

- PERFA 130 - Foundations of Theatre II
- PERFA 132 - Play in Production (.25, .5 or 1.0, for a total of 1.0)
- PERFA 133 - Acting II: Characterization and Scene Study
- PERFA 136 - Theatre: Special Studies
- PERFA 137-1 - Acting III: Advanced Acting (.5)
- PERFA 137-2 - Acting III: Advanced Acting Lab (.5)
- PERFA 138 - Portfolio Preparation (.25)
- PERFA 142 - Theatre Production Practicum (.5)
- PERFA 198 - Senior Project (0.0 Fall, 1.0 Spring)

## Any one of the following courses:

- PERFA 140 - Stage Management (.5)
- PERFA 147 - Costume Design (.5)
- PERFA 148 - Stage Lighting Design (.5)
- PERFA 149 - Scenic Design (.5)

## Two upper-division electives from the following options:

- PERFA 115 - Music in Performance
- PERFA 135 - Theatre in Performance: Bay Area Theatre
- PERFA 152 - Making Theatre: One Act Plays  
PERFA 152 counts for an upper-division elective only when taken for 1.0 credit.
- PERFA 160 - Special Topics in Performing Arts
- PERFA 161 - Theatre and American Cultures (Multicultural Performance)
- PERFA 162 - Directing for the Stage
- PERFA 184 - Dance in Performance

## Theatre Minor

### Lower Division

- PERFA 001 - Perceiving the Performing Arts
- PERFA 030 - Foundations of Theatre I
- PERFA 035 - Play Analysis: International Drama (.5)
- OR
- PERFA 036 - Play Analysis: Modern Drama (.5)
- PERFA 042 - Introduction to Technical Theatre (.5)

And four additional units in the following areas:

**Acting** (1 unit)

**Production/design** (1 unit)

**Theatre theory/history / criticism** (1 unit)

**Elective** (1 unit) upper division theatre course, pre-approval by Program Director required

Options for acting include:

- PERFA 033 - Acting I: Principles of Performance
- PERFA 037 - Performance Lab (.25 x 4, for a total of 1.0) [topic varies]
- PERFA 133 - Acting II: Characterization and Scene Study

Options for theory/history/criticism include:

- PERFA 050 - Theatre for Social Justice: Interactive Theatre
- PERFA 061 - World Theatre Experience
- PERFA 130 - Foundations of Theatre II
- PERFA 135 - Theatre in Performance: Bay Area Theatre [topic varies]
- PERFA 136 - Theatre: Special Studies
- PERFA 060 - Special Topics in Performing Arts [topic varies]
- PERFA 160 - Special Topics in Performing Arts
- PERFA 161 - Theatre and American Cultures (Multicultural Performance)

Options for production/design include:

- PERFA 047 - Technical Theatre/Design Lab (.25) [topic varies]
- PERFA 140 - Stage Management (.5)
- PERFA 142 - Theatre Production Practicum (.25 x 2 or .5 x 1)
- PERFA 147 - Costume Design (.5)
- PERFA 148 - Stage Lighting Design (.5)
- PERFA 149 - Scenic Design (.5)

Options for the elective include:

- PERFA 137-1 - Acting III: Advanced Acting  
AND
- PERFA 137-2 - Acting III: Advanced Acting Lab
- PERFA 152 - Making Theatre: One Act Plays  
PERFA 152 counts as an upper division elective only when taken for 1.0 unit
- PERFA 162 - Directing for the Stage
- PERFA 197 - Special Study
- PERFA 198 - Senior Project (special proposal process required)

- Any upper division course listed above and not previously taken. In some cases, a Performing Arts course in Music or Dance may be appropriate.

## Note

Most upper-division theatre courses are offered in alternate years only. Students must determine, prior to registration for their junior year, in a conference with their theatre advisor, which courses are offered in alternate years so that they will have an opportunity to complete all required courses in a timely manner.

## Philosophy

The Department of Philosophy provides an opportunity for every student to continue, in more structured, critical terms, the spontaneous inquiry into basic questions man has raised from the beginning of time-questions about himself, about God, about the world in which he lives, and the way in which he ought to live.

The word "philosophy" itself, love of wisdom, indicates that the search is not concerned with superficial explanations, but probes beyond appearances for fundamental principles and causes.

Hence courses are offered not only to satisfy a major but also to provide an opportunity for students who are interested in a closer examination of one or more areas of philosophical inquiry as a worthwhile supplement and broadening factor to their specialized field of study.

## Faculty

**Patrick Downey, PhD, Professor, Chair**

**Wayne H. Harter, PhD, Associate Professor**

**Steven Cortright, MA, Professor**

**Deepak Sawhney, PhD, Associate Professor**

## Learning Outcomes

*The Philosophy Department seeks to cultivate a unique virtue in its students and faculty. This intellectual virtue we have called the Philosophical Habit of Mind. It consists, at least, of the following abilities:*

- An ability to situate oneself in the Western philosophical tradition of ethical and metaphysical questions and reasoning.
- An ability to account to oneself and to others for the bases of one's actions.
- An ability to reckon with the consequences of one's own and other's practical reasoning in various contexts, both personal and political.
- An ability to raise metaphysical questions in various concrete, lived, literary and political contexts.
- An ability to distinguish and relate the architectonic questions of metaphysics from and to the specialized questions of the sciences and other disciplines.
- An ability to discern the interconnection between various modes of ethical and political reflection and distinct metaphysical positions.
- An ability to pose to oneself the questions raised by the claims of the Christian faith on one's own ethical and metaphysical reasoning.
- An ability to read new or contemporary works in the ongoing tradition of dialectical philosophy with all these abilities at one's disposal.

# John F. Henning Institute

The Department of Philosophy hosts the John F. Henning Institute, a center for the study of Catholic social thought, with special emphasis on the question of human work and its centrality to the common good. Students are invited to take part in the institute's program of academic conferences and lectures, publications and seminars.

## Prerequisite Grade

Any course listed in this department with a prerequisite assumes a grade of C- or better in the prerequisite course.

## Philosophy, BA

### Lower Division

Required of all students.

- PHIL 010 - Plato and Philosophical Inquiry  
OR
- PHIL 011 - Aristotle and Philosophical Method

### Upper Division

The major in philosophy requires eight upper-division courses.

### Required

The following four courses are required of all majors.

- PHIL 130 - Ethics
- PHIL 131 - Ethics
- PHIL 135 - Metaphysics
- PHIL 136 - Metaphysics

### Philosophical Topics

Select at least one course from:

- PHIL 110 - Philosophy of Religion
- PHIL 111 - Philosophy of Art
- PHIL 113 - Contemporary Problems in Ethics
- PHIL 114 - Philosophy of Law
- PHIL 115 - Modern Legal Philosophy
- PHIL 116 - Political Philosophy
- PHIL 117 - Philosophy of Nature
- PHIL 118 - Theory of Knowledge
- PHIL 120 - The Bible and Philosophy

- PHIL 133 - The Art of Logic
- PHIL 161 - Philosophy of History

## Authors/Texts

Select at least one course from:

- PHIL 160 - A Critical Reading of the Principal Works of a Single Major Author or School of Philosophy
- PHIL 170 - Contemporary Philosophy
- PHIL 172 - Existentialism
- PHIL 174 - Greek Philosophy
- PHIL 176 - Medieval Philosophers
- PHIL 178 - Renaissance Philosophers

## Additional Elective

Select an additional elective from either Philosophical Topics, Authors/Texts, or:

- PHIL 197 - Special Study
- PHIL 199 - Special Study - Honors

## Senior Thesis

Select one:

- PHIL 196 - Senior Thesis
- PHIL 198 - Senior Thesis - Honors

## Note

Majors planning graduate study are advised to take French or German (for study in modern philosophy), Latin (for study in medieval philosophy), or Greek and Latin (for study in classical philosophy).

# Philosophy Minor

## Lower Division

The minor in philosophy requires one lower-division:

- PHIL 010 - Plato and Philosophical Inquiry  
OR
- PHIL 011 - Aristotle and Philosophical Method

## Upper Division

- PHIL 130 - Ethics



- PHIL 131 - Ethics  
OR
- PHIL 135 - Metaphysics
- PHIL 136 - Metaphysics AND
- One course from each of the categories, Philosophical Topics and Authors/Schools.

## Physics and Astronomy

Physics in this century is a complex endeavor reflecting many centuries of experimentation and theory. It is an enterprise conducted by people who are stimulated by hopes and purposes that are universal: to understand and describe nature in its most elementary form. Physics and astronomy courses train students to carefully observe physical phenomena and to interpret the phenomena using synthesis, mathematical modeling and analysis. These methods represent a way of knowing that is central to the scientific method. The department is dedicated to teaching students with majors in science, as well as general science education in the liberal arts tradition.

## Faculty

**Mari-Anne M. Rosario, PhD, Professor, Chair**

**Jessica C. Kintner, PhD, Professor**

**Aaron Lee, PhD, Assistant Professor**

**Chris M. Ray, PhD, Professor**

**Roy J. Wensley, PhD, Professor**

## Learning Outcomes

Students who graduate with a major in physics will be able to analyze complex and subtle physical phenomena and systems. The successful student will be able to identify the physical and mathematical principles relevant to a system—even principles that are addressed in separate courses and disciplines. Using the principles they identify, students will be able to carry out the necessary analysis and synthesis to model the system accurately, and will be able to effectively communicate their results.

## Major Requirements

### Bachelor of Science

The bachelor of science (BS) degree in physics is designed for students who wish to pursue careers or graduate study in scientific and technically intensive fields.

### Prerequisite Grade

Any course listed in this department with a prerequisite assumes a grade of C- or better in the prerequisite course.

### Physics, BA

The bachelor of arts (BA) degree provides students the flexibility to pursue additional academic interests, such as undertaking a minor, completing courses for medical school, preparing for a career in teaching, or preparing for law school.

## Lower Division

- PHYSI 001 - Introduction to Physics I
- PHYSI 002 - Introduction to Physics I Laboratory
- PHYSI 003 - Introduction to Physics II
- PHYSI 004 - Introduction to Physics II Laboratory
- PHYSI 060 - Modern Physics
- MATH 027 - Calculus I
- MATH 038 - Calculus II
- MATH 039 - Calculus III

## Upper Division

- PHYSI 102 - Computational Physics
- PHYSI 105 - Analytical Mechanics
- PHYSI 110 - Electricity and Magnetism
- PHYSI 115 - Thermal and Statistical Physics
- PHYSI 125 - Quantum Mechanics
- PHYSI 181 - Electronics and Instrumentation
- Two elective upper-division physics courses.

## Physics, BS

The bachelor of science (BS) degree in physics is designed for students who wish to pursue careers or graduate study in scientific and technically intensive fields.

## Lower Division

- PHYSI 001 - Introduction to Physics I
- PHYSI 002 - Introduction to Physics I Laboratory
- PHYSI 003 - Introduction to Physics II
- PHYSI 004 - Introduction to Physics II Laboratory
- PHYSI 060 - Modern Physics
- MATH 027 - Calculus I
- MATH 038 - Calculus II
- MATH 039 - Calculus III

## Upper Division

- PHYSI 102 - Computational Physics
- PHYSI 105 - Analytical Mechanics
- PHYSI 110 - Electricity and Magnetism

- PHYSI 115 - Thermal and Statistical Physics
- PHYSI 125 - Quantum Mechanics
- PHYSI 181 - Electronics and Instrumentation
- Three elective upper division physics courses
- MATH 134 - Differential Equations

## Physics Minor

### Minor Requirements

- PHYSI 001 - Introduction to Physics I
- PHYSI 002 - Introduction to Physics I Laboratory
- PHYSI 003 - Introduction to Physics II
- PHYSI 004 - Introduction to Physics II Laboratory
- PHYSI 060 - Modern Physics
- MATH 027 - Calculus I
- MATH 038 - Calculus II
- MATH 039 - Calculus III
- Three elective upper-division physics courses.

## Politics

The politics major is designed to provide a systematic understanding of political power, political processes and political institutions, both in the United States and the world at large. Politics majors gain insight into public affairs; improve their conceptual, analytical, critical and communication skills; and explore normative questions concerning the relation of individuals to governments and of governments to one another. The curriculum offers courses in four fields: American government, political theory, international relations, and comparative politics. The department advises students to divide their work among the four fields, although a concentrated major may be advised in a particular case. The department also recommends substantial coursework in related disciplines such as economics, history, communication or philosophy.

The politics major provides a liberal arts education that fosters responsible civic engagement and an appreciation of diverse political cultures and identities. It prepares students for fulfilling careers in government service, international affairs, education, journalism, community service and business. It also serves the needs of students who seek postgraduate education in political science, the law, public policy and international studies. Students seeking a career in the legal profession will find that the Politics Department's law-related courses will prepare them with a broad background and specific tools with which to undertake their legal education. See also the Law and Society minor, described below.

Students who expect to pursue graduate study in politics should note that knowledge of foreign languages and/or quantitative reasoning is usually required for a graduate degree. Knowledge of world languages is also particularly important for careers in international affairs. Department faculty advisors assist students in the selection of appropriate courses.

The department participates in several off-campus programs that allow students to combine study with practical experience in public life. Students may arrange to receive academic credit for internships with local agencies, officials or political groups. Students interested in American politics can spend a semester studying at American University in Washington, D.C., which includes an internship with a government agency or interest group.

## Faculty

**Ronald Ahnen, PhD**, *Professor, Chair*  
**Zahra Ahmed, PhD**, *Assistant Professor*  
**David Alvarez, PhD**, *Professor Emeritus*  
**Wilbur Chaffee, PhD**, *Professor Emeritus*  
**Patrizia Longo, PhD**, *Professor*  
**Stephen Sloane, PhD**, *Associate Professor Emeritus*  
**Melinda R. Thomas, JD**, *Professor*  
**Susan C. Weissman, PhD**, *Professor*  
**Steven Woolpert, PhD**, *Professor*

## Learning Outcomes

*Students who graduate with a politics major will be able to demonstrate:*

- knowledge of institutions, principles and theories of American constitutional democracy
- knowledge of: a) political theory and structure, b) dynamics of political conflict, and c) historical and cultural contexts of political events
- clear and effective analysis of significant political issues
- understanding of, and proficiency in research techniques relevant to political science issues
- commitment to civic engagement

## Major Requirements (13 Courses)

The Politics major consists of 13 (1 credit) courses.

## Prerequisite Grade

*Any course listed in this department with a prerequisite assumes a grade of C- or better in the prerequisite course.*

## Law & Society Minor (6 Courses)

See end of Politics section for requirements.

## Law & Society Minor

The Law & Society Minor is an interdisciplinary approach to the study of law and its impact on society. It is designed for students who wish to study how social forces influence the legal system and how the law affects society. The Law & Society minor is open to all undergraduates. Offered by the Department of Politics, the minor helps prepare students for a wide range of professional opportunities in justice-related careers in law and related professions. Courses taken to satisfy students' major requirements may not also count towards completion of this minor.

## Learning Outcomes

*Students who successfully complete this minor will:*

- **DEMONSTRATE** understanding of the interrelationships among legal, social, and ethical issues
- **DEMONSTRATE** understanding of the legal process
- **CRITICALLY ANALYZE** the role of law in its political, economic and social context;
- **DEMONSTRATE** skill in oral and written expression and critical thinking
- **INTEGRATE** theoretical and practical understanding of law and society concepts

**Requirements:** Students must complete 6 courses, which may be double-counted towards core curriculum requirements. See the list of courses at [stmarys-ca.edu/politics/law-and-society-minor/the-law-and-society-minor-curriculum](http://stmarys-ca.edu/politics/law-and-society-minor/the-law-and-society-minor-curriculum). Courses taken to satisfy students' major requirements may not also count towards completion of this minor. At least 4 courses must be upper-division. The 6 courses shall include the Overview course, one Domestic Justice course, one Global Justice course, one Skills course, one Field Placement course, and one Elective course. The elective may be satisfied preferably by choosing an additional course in either Domestic Justice or Global Justice, or by choosing a course from the list of additional electives. Courses may be taken in any order. Some listed courses have a prerequisite or require instructor's permission. January Term courses do not count towards the minor requirements.

## Politics, BA

The Politics major consists of 13 (1 credit) courses.

### Lower Division

- POL 001 - Introduction to Comparative Politics
- POL 002 - Introduction to American Politics
- POL 003 - Introduction to Political Thought
- POL 004 - Introduction to International Politics

### Upper Division

- POL 100 - Writing, Research and Analysis for the Politics Major (students are advised to take POL 100 in their sophomore year).
- One course in American politics
- One course in political theory
- One course in international politics
- One course in comparative politics to be selected only from the corresponding lists below.
- In addition, students must take any four additional politics courses.

### Group I American Politics

- POL 101 - State and Urban Politics
- POL 102 - Political Parties and Pressure Groups
- POL 103 - Elections and Voting Behavior
- POL 104 - United States Public and Constitutional Law
- POL 105 - Presidency and Congress

- POL 106 - Politics of Labor
- POL 107 - American Legal Institutions
- POL 108 - CIA and the Intelligence Community
- POL 109 - Topics in American Politics
- POL 110 - Politics of Race A/B
- POL 130 - Introduction to Public Administration
- POL 131 - Politics of Imprisonment
- POL 135 - Environmental Politics
- POL 136 - Environmental Law and Regulation

## Group II Political Theory

- POL 111 - Modern Political Thought
- POL 112 - American Political Thought
- POL 113 - Just and Unjust Wars
- POL 114 - Topics in Political Thought
- POL 115 - Theories of Justice
- POL 116 - Political Polling and Survey Research
- POL 117 - Theory of Law

## Group III International Politics

- POL 120 - International Relations
- POL 121 - Governing the Global Economy
- POL 122 - Topics in International Politics
- POL 123 - American Foreign Policy
- POL 124 - Defense Policy
- POL 125 - Human Rights
- POL 126 - Food Politics
- POL 127 - Field Work for POL 126: Food Politics
- POL 128 - Dynamics of Terrorism
- POL 129 - Politics of Developing Countries

## Group IV Comparative Politics

- POL 140 - Gender Politics A/B
- POL 141 - Contemporary Revolutions
- POL 143 - Middle East Politics
- POL 144 - Asian Politics
- POL 145 - Latin American Politics
- POL 146 - West European Politics
- POL 147 - Russian Politics from Lenin to Putin
- POL 148 - East European Politics
- POL 149 - Topics in Comparative Politics

## Note

The department faculty recommend that students taking an upper-division course in comparative politics complete POL 001 first; for international politics, POL 004 is recommended first; for American politics, POL 002 is recommended first; and for political theory, POL 003 is recommended first.

## **Politics Minor**

The minor in politics requires six (6) courses:

### **Lower Division**

Any two of the four lower-division politics courses

- POL 001 - Introduction to Comparative Politics
- POL 002 - Introduction to American Politics
- POL 003 - Introduction to Political Thought
- POL 004 - Introduction to International Politics

### **Upper Division**

And four upper-division politics courses

- One course in American politics;
- One course in comparative politics;
- One course in international politics;
- One course in political theory.

## **Law & Society Minor**

### **Minor Requirements**

The Law & Society minor offers students a breadth of courses from which to choose.

#### **Overview course (Required):**

- POL 107 - American Legal Institutions

#### **Domestic Justice Courses (select one):**

- BUSAD 120 - Business Law
- COMM 118 - Communication Policy and Law
- ENGL 122 - Law and Literature
- JCL 120 - Theory and Inquiry in Justice, Community and Leadership
- KINES 108 - Legal and Administrative Issues
- POL 104 - United States Public and Constitutional Law
- POL 112 - American Political Thought
- POL 117 - Theory of Law

- POL 131 - Politics of Imprisonment
- POL 136 - Environmental Law and Regulation
- SOC 124 - Justice and Community
- SOC 128 - Crime and Delinquency

### Global Justice Courses (Select one):

- BUSAD 010 - Global Perspectives in Business and Society
- GRS 001 - Introduction to Global and Regional Studies
- JCL 140 - The Global Community
- PHIL 114 - Philosophy of Law
- PHIL 115 - Modern Legal Philosophy
- POL 115 - Theories of Justice
- POL 125 - Human Rights
- SOC 135 - Special Topics
- TRS 117 - Wealth and Poverty in the Bible

### Skills Courses (Select one):

- COMM 010 - Rhetoric and Public Discourse
- ENGL 100 - Advanced Composition
- ES 050 - Creating Community: Introduction to Skills for Building a Socially Just Society
- PHIL 005 - Practical Logic
- PHIL 133 - The Art of Logic

### Field Placement Courses (Select one):

- ECON 100 - Issues and Topics in Economics \*
- JCL 010 - Introduction to Justice, Community and Leadership \*
- POL 110 - Politics of Race \*
- POL 140 - Gender Politics A/B \*
- POL 195 - Internship in Government (in a law-related public or private organization)
- SOC 126 - Field Experience (in a law-related public or private organization)
- COMM 161 - Communication and Social Justice
- SOC 195 - Special Study Internship (in a law-related public or private organization)
- TRS 143 - Catholic Social Teaching \*

### Elective courses (Select one):

Either a second course from the list of American or Global Justice courses, or:

- BUSAD 121 - Advanced Legal Topics in Business
- COMM 107 - Political Communication
- COMM 100 - Communication Theory
- COMM 113 - Rhetorical Criticism
- COMM 116 - Advertising and Civic Engagement
- ES 001 - Introduction to Ethnic Studies



- POL 003 - Introduction to Political Thought
- SOC 004 - Social Problems
- SOC 112 - Race and Ethnicity
- SOC 115 - Wealth and Poverty
- SOC 123 - Ethnic Groups in the United States
- SOC 125 - Gender and Society
- WGS 001 - Introduction to Women's and Gender Studies

## Note

\* Community-engagement designated courses

## Psychology

The major in psychology is a four-year program leading to a Bachelor of Science degree. Students majoring in psychology are introduced to a spectrum of psychological theories, experiments and problems within the context of a liberal arts college. Although there is considerable breadth in the Department of Psychology's course offerings, an orientation embracing both research and application is emphasized. Psychology majors having earned their Bachelor's degrees are prepared for many different endeavors. For example, they may pursue further study at the graduate level; become involved with the work of counseling centers, elementary and secondary schools, or youth authority facilities; earn a credential in early childhood education and/or in special education; or pursue a career in human resource management. Psychology is also an excellent preparation for careers in law, medicine or business.

## Faculty

**Mark S. Barajas, PhD**, *Associate Professor*  
**Lynnyonne D. Cotton, PhD**, *Associate Professor*  
**Elena A. Escalera, PhD**, *Professor*  
**José A. Feito, PhD**, *Professor, Chair*  
**Emily Hause, PhD**, *Professor*  
**James McCauley, PhD**, *Assistant Professor*  
**Hiroko Nakano, PhD**, *Professor*  
**Keith H. Ogawa, PhD**, *Professor*  
**Makenzie O'Neil, PhD**, *Assistant Professor*  
**Sara K. Stampp, PhD**, *Professor Emeritus*  
**James A. Temple, PhD**, *Professor*  
**Mary True, PhD**, *Professor Emeritus*  
**Hoang J. Vu, PhD**, *Professor*  
**Paul Zarnoth, PhD**, *Associate Professor*

## Learning Outcomes

*Upon completion of the requirements for the bachelor of science degree in psychology, students will be able to:*

- **DEMONSTRATE** knowledge of and be able to critically analyze the theoretical approaches, research findings, and historical trends in psychology.

- **UNDERSTAND** multiple research methods and statistical tools and be able to use them to design research and collect, analyze, and interpret data, as well as proficiently write a research report using standard APA format.
- **DEMONSTRATE** an understanding of the multiple ways gender, culture, age, and sexual orientation affect psychological processes (e.g., perception, memory, learning, affect, social behavior, and development).
- **APPLY** psychological theory and research to real-world problems and issues.

## Full Credit Course Requirement

All course requirements for the Psychology major must be met by full credit courses. In other words, .25 and .50 credit courses may not be used to fulfill course requirements in the Psychology major.

## Course Prerequisites and Requirements

A minimum grade of C- in all prerequisites is required for admission to all courses. Prerequisites may be waived at the discretion of the instructor.

## Transfer Credit in Psychology

Students already enrolled at Saint Mary's College who wish to transfer credit for an off-campus psychology course other than PSYCH 001 must submit a formal petition to do so to the chair of the Psychology Department before enrolling in the course.

## Concentrations

In addition to general psychology, there are four major concentrations in the Department of Psychology. A student may elect to follow any one of these programs for a bachelor of science degree:

### General Psychology, BS

#### Psychology Core Curriculum

Intended to give breadth and scope of the discipline, all psychology majors are required to fulfill the following four courses:

- PSYCH 001 - Introduction to Psychology
- PSYCH 003 - Psychological Methods and Analysis I
- PSYCH 103 - Psychological Methods and Analysis II
- PSYCH 110 - Psychobiology

#### Upper Division

For the student who wants a general education in psychology, a sequence of upper-division courses in addition to the psychology core curriculum is offered which must include:

### One of

- PSYCH 126 - Sensation and Perception
- PSYCH 127 - Cognitive Science
- PSYCH 128 - Neuropsychology
- PSYCH 129 - Cognitive Neurolinguistics

### Two of

- PSYCH 140 - Human Development
- PSYCH 150 - Personality Psychology
- PSYCH 160 - Social Psychology

### One of

- PSYCH 100 - Seminar in Psychology
- PSYCH 106 - Experimental Research
- PSYCH 190 - Field Placement

## Psychology Electives

Six Psychology electives, five of which must be upper-division courses.

## Psychology, Behavioral Neuroscience Concentration, BS

### Psychology Core Curriculum

Intended to give breadth and scope of the discipline, all psychology majors are required to fulfill the following four courses:

- PSYCH 001 - Introduction to Psychology
- PSYCH 003 - Psychological Methods and Analysis I
- PSYCH 103 - Psychological Methods and Analysis II
- PSYCH 110 - Psychobiology

### Upper Division

For the student with an interest in the biological bases of behavior, a sequence of courses in addition to the psychology core curriculum which must include:

- PSYCH 106 - Experimental Research

### Two of the following:

- PSYCH 126 - Sensation and Perception
- PSYCH 127 - Cognitive Science

- PSYCH 128 - Neuropsychology
- PSYCH 129 - Cognitive Neurolinguistics

Two of the following:

- PSYCH 140 - Human Development
- PSYCH 150 - Personality Psychology
- PSYCH 160 - Social Psychology

### Additional Requirements

- One Biology course with a lab
- One Chemistry course with a lab
- MATH 027 - Calculus I OR equivalent
- Any two upper-division Psychology electives

## Psychology, Child/Adolescent Development Concentration, BS

### Psychology Core Curriculum

Intended to give breadth and scope of the discipline, all psychology majors are required to fulfill the following four courses:

- PSYCH 001 - Introduction to Psychology
- PSYCH 003 - Psychological Methods and Analysis I
- PSYCH 103 - Psychological Methods and Analysis II
- PSYCH 110 - Psychobiology

### Upper Division

For the student interested in working with individuals in educational or social service settings, a sequence of upper-division courses in addition to the psychology core curriculum is offered which must include:

- PSYCH 140 - Human Development AND
- PSYCH 142 - Adolescent Development

One of the following:

- PSYCH 126 - Sensation and Perception
- PSYCH 127 - Cognitive Science
- PSYCH 128 - Neuropsychology
- PSYCH 129 - Cognitive Neurolinguistics

One of the following:

- PSYCH 150 - Personality Psychology

- PSYCH 160 - Social Psychology

One of the following:

- PSYCH 100 - Seminar in Psychology
- PSYCH 106 - Experimental Research
- PSYCH 190 - Field Placement

Three of the following:

At least one of which must be PSYCH 141 or PSYCH 144

- PSYCH 141 - Infancy and Childhood
- PSYCH 143 - Adult Development
- PSYCH 144 - Middle Childhood
- PSYCH 147 - Psychology of Gender
- PSYCH 148 - The Exceptional Individual
- PSYCH 165 - Cross-Cultural Psychology
- PSYCH 168 - Topics on Culture, Race, and Ethnicity in Psychology
- PSYCH 174 - Psychology of the Family

Two additional upper-division psychology electives

## **Psychology, Clinical/Counseling Concentration, BS**

### **Psychology Core Curriculum**

Intended to give breadth and scope of the discipline, all psychology majors are required to fulfill the following four courses:

- PSYCH 001 - Introduction to Psychology
- PSYCH 003 - Psychological Methods and Analysis I
- PSYCH 103 - Psychological Methods and Analysis II
- PSYCH 110 - Psychobiology

### **Upper Division**

For the student interested in clinical/counseling psychology or social work, a sequence of upper-division courses in addition to the psychology core curriculum is offered which must include:

- PSYCH 140 - Human Development
- PSYCH 152 - Psychopathology
- PSYCH 170 - Theories of Counseling
- PSYCH 174 - Psychology of the Family
- One additional upper-division psychology elective.

One of the following:

- PSYCH 163 - Prejudice and Stereotyping
- PSYCH 165 - Cross-Cultural Psychology
- PSYCH 168 - Topics on Culture, Race, and Ethnicity in Psychology

One of the following:

- PSYCH 150 - Personality Psychology
- PSYCH 160 - Social Psychology

One of the following:

- PSYCH 126 - Sensation and Perception
- PSYCH 127 - Cognitive Science
- PSYCH 128 - Neuropsychology
- PSYCH 129 - Cognitive Neurolinguistics

One of the following:

- PSYCH 100 - Seminar in Psychology
- PSYCH 106 - Experimental Research
- PSYCH 190 - Field Placement

One of the following:

The sequence must also include one of the following courses:

- PSYCH 104 - Special Topics in Assessment and Testing
- PSYCH 147 - Psychology of Gender
- PSYCH 148 - The Exceptional Individual
- PSYCH 157 - Human Sexualities

## **Psychology, Social Psychology Concentration, BS**

### **Psychology Core Curriculum**

Intended to give breadth and scope of the discipline, all psychology majors are required to fulfill the following four courses:

- PSYCH 001 - Introduction to Psychology
- PSYCH 003 - Psychological Methods and Analysis I
- PSYCH 103 - Psychological Methods and Analysis II
- PSYCH 110 - Psychobiology

## Upper Division

For the student interested in community or organizational psychology, a sequence of upper-division courses in addition to the psychology core curriculum is offered which must include:

- PSYCH 160 - Social Psychology

One of the following:

- PSYCH 140 - Human Development
- PSYCH 150 - Personality Psychology

One of the following:

- PSYCH 126 - Sensation and Perception
- PSYCH 127 - Cognitive Science
- PSYCH 128 - Neuropsychology
- PSYCH 129 - Cognitive Neurolinguistics

One of the following:

- PSYCH 100 - Seminar in Psychology
- PSYCH 106 - Experimental Research
- PSYCH 190 - Field Placement

Four of the following courses:

- PSYCH 105 - Advanced Psychological Statistics
- PSYCH 115 - Health Psychology
- PSYCH 147 - Psychology of Gender
- PSYCH 157 - Human Sexualities
- PSYCH 163 - Prejudice and Stereotyping
- PSYCH 165 - Cross-Cultural Psychology
- PSYCH 168 - Topics on Culture, Race, and Ethnicity in Psychology
- PSYCH 169 - Attitudes and Attitude Change
- PSYCH 172 - Groups, Organizations and Societies
- PSYCH 180 - Organizational Psychology

Two of which must be:

- PSYCH 163 - Prejudice and Stereotyping
  - PSYCH 165 - Cross-Cultural Psychology
  - PSYCH 168 - Topics on Culture, Race, and Ethnicity in Psychology
  - PSYCH 169 - Attitudes and Attitude Change
  - PSYCH 172 - Groups, Organizations and Societies
- OR

- PSYCH 180 - Organizational Psychology

Two additional full-credit psychology electives

## Psychology Minor

### Minor Requirements

The minor in psychology requires

- PSYCH 001 - Introduction to Psychology
- PSYCH 003 - Psychological Methods and Analysis I
- Four upper-division courses.

### Note

Minors may fulfill only one upper-division course off-campus.

## Sociology

In the Sociology Department you'll learn to better understand the sometimes confusing nature of human social life. How is social life possible? What do patterns of social life tell us about the world? What is the relationship of the individual to the social order?

In the words of sociologist C. Wright Mills, sociology requires that we exercise our "sociological imagination." That is, we must understand how the issues in the lives of individuals are also the issues of the larger society. We can't understand the individual without understanding society and we can't understand society without understanding the individual. This implies that sociology is deeply personal. We seek to understand society, but in doing so we learn much about ourselves.

Sociology addresses the most pressing social issues in contemporary society: racial and ethnic tensions, gender inequality, poverty, health and illness, social movements, crime and deviance, educational inequality, immigration, globalization and problems in urban environments, just to name a few. Sociologists study everything from the social dynamics of two people in conversation to the social dynamics of political revolutions.

Sociology provides students with a theoretical framework with which to help make sense of an increasingly complex world and the place of the individual within that world. Sociology also provides students with specific methodological tools to investigate the social world and to collect and analyze data about the world we live in.

The sociology major develops research skills, analytical skills and communication skills that are well-suited to students interested in careers in teaching, public and mental health, law, counseling, social work, the criminal justice system, public policy, marketing, journalism and the nonprofit sector.

## Faculty

**Zeynep Atalay, PhD**, *Associate Professor*

**Robert Bulman, PhD**, *Professor*

**Nicole M. Brown, PhD**, *Assistant Professor*



**John Ely, PhD**, *Associate Professor, Chair*  
**Phylis Martinelli, PhD**, *Professor Emerita*

## Learning Outcomes

*When students have completed the sociology program they will be able to:*

- **UNDERSTAND** sociological theory and methods and be able to apply theoretical explanations to empirical examples.
- **RESEARCH** and analyze a sociological topic using the appropriate library resources.
- **WRITE** research papers with a clear thesis statement, sufficient support for that thesis, and in accordance with the standards of the American Sociological Association.
- **EXERCISE** their sociological imagination in order to reflect upon questions of personal and social responsibility in a complex and changing society.
- **APPLY** sociological knowledge as they engage with the community beyond the academy.
- **EMPLOY** critical reading, thinking, and writing skills as they research, analyze, and report on a social issue in a way that incorporates what they have learned on a topic of their own choosing.

## Prerequisite Grade

*A minimum acceptable grade of C- is required for coursework to count toward a minor or the major.*

## Sociology, BA

The sociology major is composed of 13 lower- and upper-division courses.

### Lower Division

- SOC 002 - Introduction to Sociology
- SOC 004 - Social Problems
- MATH 004 - Introduction to Probability and Statistics

### Upper Division

- SOC 101 - The Sociological Imagination
- SOC 130 - Sociological Theory
- SOC 132 - Sociological Research Methods
- Seven additional upper-division courses.

## Sociology Minor

The minor in sociology requires two lower-division courses

### Lower Division

- SOC 002 - Introduction to Sociology
- SOC 004 - Social Problems AND
- Four upper-division sociology electives.

## Theology & Religious Studies

The discipline of Theology approaches religion from the perspective of faith, inviting students from all faiths and none to explore and wrestle with some of the perennial questions that believers and non-believers ask: Is there a God? How can we know God? Can we proclaim that "God is love" in light of the Holocaust? And ultimately, how should we then live? The discipline of Religious Studies, more theoretical and anthropological than Theology (with its normative nature and focus on the divine and transcendent), uses the tools and methods of various disciplines in the humanities and social sciences to analyze religious phenomena and discover how they create meaning for persons and cultures. Religious Studies explores how religion interacts with other important dimensions of human life, such as politics, economics, and social constructions of race and gender. While many scholars draw clear lines between the disciplines of Theology and Religious Studies, at Saint Mary's College they are drawn together in a fruitful dialogue about religion as a -- perhaps the -- fundamental dimension of human life: vital, pervasive, and richly complex.

The Department of Theology & Religious Studies offers courses that systematically and critically analyze a wide range of theological perspectives and ethical questions that are central in the formation of religious identity. As an integral part of the Catholic mission of Saint Mary's College, we provide students with an opportunity to explore many facets of the Christian tradition: biblically, historically, theologically, ethically, and aesthetically. We offer courses in a wide array of world religions, especially since, in our increasingly diverse nation and our ever more global world, it is crucial that responsible citizens and future leaders understand the ideologies and faiths of their neighbors and dialogue partners. We explore the myriad and pervasive dimensions of the phenomenon of religion in culture, particularly courses that focus on the intersections of religion and the critical issues of gender, race, and economics. And, as an Hispanic Serving Institution, we offer courses that explore dimensions of Latinx religious experience and spirituality.

The exploration of these essential questions occupies an important place in a liberal arts education, training students in the skills necessary to think for themselves, to challenge preconceived notions, and to remain open to learning from the perspectives of others. As part of our Lasallian heritage and our understanding of what it means to be a person in light of God's love and grace, revealed especially in the person of Jesus Christ, we join with the Christian Brothers in being concerned for the whole person, integrating faith and service, and fostering an existential commitment to the common good, solidarity, and a preferential option for our most vulnerable and marginalized sisters and brothers.

## Faculty

**Thomas J. Poundstone, PhD**, *Associate Professor, Chair*

**Michael Barram, PhD**, *Professor*

**Anne Carpenter, PhD**, *Associate Professor*

**Father David Gentry-Akin, STD**, *Professor*

**David Zachariah Flanagan, PhD**, *Professor*

**Paul Giurlanda, PhD**, *Professor*

**Marie Pagliarini, PhD**, *Associate Professor*

**Norris Palmer, PhD**, *Professor*

The Theology & Religious Studies (TRS) Department plays a key role in the educational experience at Saint Mary's College, offering not only a major and two minor courses of study, but also participating extensively in the College's core curriculum-by providing courses designed to meet the Theological Understanding goal of the core curriculum. As part of the process of serious academic study, members of the department hope that, in addition to meeting specific core requirements, students will join us in taking pleasure in the study of theology and religion as they learn to converse insightfully and respectfully about it. Moreover, we hope that students will develop an appreciation for the

depth and breadth of the Christian tradition while gaining an increasing awareness both of the mystery of life and of themselves as called by that mystery.

## Learning Outcomes for Theology & Religious Studies Majors

### Majors in Theology & Religious Studies Will:

#### Core Curriculum

1. **MEET** the outcomes for both "Christian Foundations" and "Theological Explorations" of the SMC Core Curriculum.

#### Major Content

2. **DEMONSTRATE** an understanding of the biblical, theological, historical, and ethical components of the Christian tradition.
3. **DEMONSTRATE** an understanding of the implications of the Catholic concept of the fundamental dignity of the human person.
4. **DEMONSTRATE** an understanding of the worldview (e.g., beliefs, practices, etc.) of a non-Christian religious tradition.

#### Major Skills

5. **DEMONSTRATE** an ability to employ contemporary theories and methods of biblical exegesis, systematic theology, and religious studies.
6. **DEMONSTRATE** an ability to explain, analyze, and evaluate multiple informed perspectives in debates about theological and ethical issues.

## Prerequisite Grade

TRS 097 (or its junior transfer equivalent, TRS 189) is a prerequisite for any upper-division theology and religious studies course; however, only a passing grade in TRS 097 (or TRS 189) is required, not a minimum grade of C-.

## Theology & Religious Studies, BA

The major in Theology & Religious Studies requires a minimum of ten courses, including the following:

### Lower Division

- TRS 097 - The Bible and Its Interpretation OR its transfer equivalent,
- TRS 189 - The Bible and Its Interpretation: Great Themes

### Upper Division

- TRS 129 - Foundations of Theology
- TRS 179 - Theory and Method in the Study of Religion

One course, selected with guidance of one's faculty advisor, from each of the following four areas:

Christian History:

- TRS 101 - Origins of Christianity
  - TRS 102 - Medieval Christianity
  - TRS 103 - Reformations
- OR
- TRS 180 - Intensive Inquiry in Christian History

Gospel Exegesis:

- TRS 114 - The Gospel of Mark
  - TRS 115 - Jesus and His Teaching
- OR
- TRS 181 - Intensive Inquiry in Scripture (by petition when focused on the gospels)

Ethics:

- TRS 141 - Christian Ethics
  - TRS 142 - Medical Ethics
  - TRS 143 - Catholic Social Teaching
- OR
- TRS 184 - Intensive Inquiry in Ethics

World Religions and Method:

- TRS 153 - Eastern Religions
  - TRS 154 - Hinduism
  - TRS 155 - Buddhism
  - TRS 156 - Religions of India
- OR
- TRS 185 - Intensive Inquiry in World Religions

Two Intensive Inquiry courses, at least one of which must be designated as WID (Writing in the Disciplines):

- TRS 180 - Intensive Inquiry in Christian History
- TRS 181 - Intensive Inquiry in Scripture
- TRS 182 - Intensive Inquiry in Systematic Theology
- TRS 183 - Intensive Inquiry in Sacraments and Spirituality
- TRS 184 - Intensive Inquiry in Ethics
- TRS 185 - Intensive Inquiry in World Religions
- TRS 186 - Intensive Inquiry in Theology, Religion, and the Arts
- TRS 187 - Intensive Inquiry in Religion and Culture

## **Catholic Tradition Minor**

### **Minor Requirements**

The Theology & Religious Studies Department also offers a focused minor in the "Catholic Tradition." Six courses are required:

- TRS 097 - The Bible and Its Interpretation OR its transfer equivalent,
- TRS 189 - The Bible and Its Interpretation: Great Themes

Two of the following three courses, preferably in sequence:

- TRS 101 - Origins of Christianity
  - TRS 102 - Medieval Christianity
  - TRS 103 - Reformations
  - TRS 141 - Christian Ethics
- OR
- TRS 143 - Catholic Social Teaching AND
  - Two electives from a list of classes focusing on the Catholic tradition.

## **Theology & Religious Studies Minor**

### **Minor Requirements**

The minor in Theology & Religious Studies requires five courses:

- TRS 097 - The Bible and Its Interpretation OR its transfer equivalent,
  - TRS 189 - The Bible and Its Interpretation: Great Themes
- 
- TRS 129 - Foundations of Theology
- OR
- TRS 179 - Theory and Method in the Study of Religion

And any three upper-division courses selected with the guidance of the Chair,

one of which must be either an Intensive Inquiry course (TRS 180-TRS 187) or the second of our two foundational classes (TRS 129 or TRS 179).

## **Women's and Gender Studies**

Women's and Gender Studies asks fundamental questions about human existence: Are women and men born or made? Do those categories adequately express gender identity? How do we understand femininities and masculinities throughout history? How does intersectionality-racial, ethnic, class, sexual identity-affect the experience of gender? What structures and social forces are involved in shaping our ideas about gender? An interdisciplinary program that invites students to take classes in anthropology, sociology, history, literature, politics and other disciplines, Women's

and Gender Studies challenges students to question what is "natural" about gender identities and roles in society; to examine the origins of such views and how they change over time; and to analyze how race and class intersect with sexualities and gender to construct popular culture and modern society. The program focuses on uncovering the contributions women have made to society throughout history and how they have envisioned social justice and the common good. True to its roots in social movements that fought for equality and equity, Women's and Gender Studies seeks to understand how systems of oppression function and how different groups respond to and resist injustice at home and abroad. To that end, the program teaches students to think deeply, to read critically, to write clearly, and to speak convincingly. Furthermore, Women's and Gender Studies prepares students to be agents of change who take community responsibility and social justice seriously, offering them multiple opportunities to engage in service learning and similar projects. Thus the program fulfills its mission of educating the whole person for the complexities of a globalizing world.

Women's and Gender Studies courses are interdisciplinary in nature, cross-listed with a range of departments including but not limited to anthropology, biology, communication, English, ethnic studies, history, performing arts, politics, psychology, sociology, Spanish, theology and religious studies.

## Advisory Board

**Myrna Santiago, PhD**, *History, Women's and Gender Studies, Director*

**Sue Birkenseer**, *Library*

**Loan Dao, PhD**, *Ethnic Studies*

**Monica Fitzgerald, PhD**, *Justice, Community & Leadership*

**Jennifer Heung, PhD**, *Anthropology, Global and Regional Studies*

**Samantha Joyce, PhD**, *Communications*

**Emily Klein, PhD**, *English*

**Molly Metherd, PhD**, *English*

**María Luisa Ruiz, PhD**, *World Languages and Cultures*

**Scott Schönfeldt-Aultman, PhD**, *Communication*

**Sharon Sobotta**, *Director of the Center for Women and Gender Equity*

**Aeleah Soine, PhD**, *History*

**Claire Williams, PhD**, *Kinesiology*

**Denise Witzig, PhD**, *Women's and Gender Studies*

## Faculty Affiliates

**Shawny Anderson, PhD**, *Communication, Associate Dean of Liberal Arts*

**Zeynep Atlay, PhD**, *Sociology*

**Catherine Davalos, MFA**, *Performing Arts*

**Rebecca Engle, MA**, *Performing Arts*

**Jose Feito, PhD**, *Psychology*

**Rosemary Graham, PhD**, *English*

**Jeannine King, PhD**, *English*

**Kathryn Koo, PhD**, *English*

**Gretchen Lemke-Santangelo, PhD**, *History*

**Patrizia Longo, PhD**, *Politics*

**Hilda Ma, PhD**, *English*

**Lisa Manter, PhD**, *English*

**Marie Pagliarini, PhD**, *Theology and Religious Studies*

**David Quijada, PhD**, *Ethnic Studies*

**Alvaro Ramirez, PhD**, *Ethnic Studies*

**Sonya Schuh, PhD**, *Biology*

Cynthia Van Gilder, PhD, *Anthropology*  
Ynez Wilson-Hirst, PhD, *Sociology*

## Learning Outcomes

*When students have completed a minor or major in the Women's and Gender Studies Program, they will be able to:*

- **IDENTIFY** and understand assumptions and arguments about gender, race, class, and sexuality in scholarly, popular, public, and interpersonal discourses.
- **EVALUATE** diverse theories of feminism and debates about gender.
- **DIFFERENTIATE** among complex and diverse points of view regarding gender, race, class, and sexuality in a variety of academic fields.
- **WRITE** clear and well-reasoned prose employing appropriate methods of research in the field.
- **ENGAGE** in Social Justice Praxis, including intellectual or social advocacy locally or globally.

## Split Majors

Split majors combine work in Women's and Gender Studies and another academic department or program. A split major must be approved by the chairs or directors of both departments. This major ordinarily comprises nine upper-division courses (six in one field and three in another), in addition to the lower-division prerequisites in WGS (e.g., WGS 001) and the other department. All split majors in WGS must complete the four core courses (WGS 001, WGS 107, WGS 177, WGS 196).

## Women's and Gender Studies, BA

The major requires 12 courses. Four are core courses in Women's and Gender Studies:

### Lower Division

- WGS 001 - Introduction to Women's and Gender Studies

### Upper Division

Eight are upper-division electives cross-listed with Women's and Gender Studies.

- WGS 107 - Research Seminar in Women's and Gender Studies
- WGS 177 - Feminist and Gender Theories
- WGS 196 - Senior Research Thesis

## Note

WGS majors and minors satisfy degree requirements through an interdisciplinary combination of WGS core courses and courses on gender in a variety of departments and programs. Majors have two options: a) a concentration in either social sciences or humanities, with the majority of courses in one of those disciplines; or b) a balanced distribution of courses, four and four, in social sciences and humanities. Students must take at least two courses each from social sciences and humanities. At least one course must focus on gender from transnational perspectives or ethnically and racially diverse U.S. communities. One cross-listed January Term course may be petitioned for credit. Women's and

Gender Studies students may also design a double or split major with another discipline, with the approval of the director of Women's and Gender Studies and the chair of the other department.

## Women's and Gender Studies Minor

The minor requires six classes:

### Minor Requirements

- WGS 001 - Introduction to Women's and Gender Studies
- WGS 107 - Research Seminar in Women's and Gender Studies
- WGS 177 - Feminist and Gender Theories
- Three upper-division electives cross-listed with Women's and Gender Studies. No more than two courses may be in a single discipline; one must focus on gender from transnational perspectives or ethnically and racially diverse U.S. communities.

## World Languages and Cultures

Our language programs play a fundamental role in the College's mission to educate for a global community. We encourage students to become actively engaged learners of diverse cultural traditions and global perspectives through the study of world languages, literatures, and cultures.

The programs in the Department of World Languages and Cultures emphasize language proficiency, analysis of different kinds of complex texts, cross-cultural competence, and study abroad. This preparation allows students to use their language, critical thinking skills and artistic literacy in various professional fields. Linguistic and cultural competency in a second language also allows students to participate more fully in local and international communities, enjoying a richness of life that goes beyond national boundaries.

Saint Mary's College proposes that all of its graduates should have knowledge and understanding of another culture and its language (see below, language proficiency requirement). To this end, the department has created a lower-division curriculum whose learning outcomes meet criteria established by the American Council on Teaching of Foreign Languages (ACTFL). All students will demonstrate intermediate language skills-listening, speaking reading and writing-in the target language. Instruction balances a solid grammatical foundation with practical training, including exposure to culture and geography, in both classroom and multimedia settings.

The Department of World Languages and Cultures offers courses in French, Italian, Japanese, and Spanish. Students can pursue a major in Spanish or French, and/or a minor in French, Spanish, East Asian Studies, German Studies or Italian Studies. Students interested in foreign language study are encouraged to explore the options of a major in Spanish or French; a double major in a foreign language and another discipline; a language minor to complement a major in another academic area; or a language studies minor. Additionally there are many natural links between the department's course offerings and those of other departments with the same goal of global learning, such as Global and Regional Studies and History.

We strongly encourage our students to study abroad for a semester or more. Students can choose from SMC sponsored programs in China, France, Germany, Italy, Japan, Mexico, and Spain, or from many other international centers through Lasallian exchanges and independent programs.

Furthermore, proficiency in a second language is the natural complement to the local and international internships described in the internship database available through the department's website. We support our students as they apply their cultural knowledge through internships related to their language of study. Students who secure an internship gain valuable work experience, enhance their professional skills, and lay the groundwork for their future careers.



We strive to prepare our students with the communicative skills necessary to participate successfully in an increasingly globalized working environment that asks for culturally knowledgeable, multilingual citizens.

## **Faculty**

**David Bird, PhD, Professor, Chair**

**Costanza G. Dopfel, PhD, Professor**

**Joan U. Halperin, PhD, Professor Emerita**

**Helga Lénárt-Cheng, PhD, Associate Professor**

**Claude-Rhéal Malary, PhD, Associate Professor**

**Brother Michael Murphy, PhD, Visiting Associate Professor**

**Alvaro Ramirez, PhD, Professor**

**María Luisa Ruiz, PhD, Associate Professor**

**Lori Spicher, PhD, Associate Professor**

**Frances Sweeney, PhD, Professor**

**Maureen Wesolowski, PhD, Professor Emerita**

## **Programs Offered**

The Department offers a major in French and Spanish, and a minor in East Asian Studies, French, German Studies, Italian Studies, or Spanish. In addition to a program of study for students who wish to major or minor in language, the Department of World Languages and Cultures plays a key role in the educational experience of all Saint Mary's students through the language requirement of the Core Curriculum.

## **Saint Mary's College Language Requirement**

### **Learning Outcomes for the Language Requirement**

*After completing levels 1-3, students will be able to:*

- **UNDERSTAND** and **PRODUCE** speech in a variety of personal and social contexts; initiate and sustain conversations about multiple topics in the past, present and future tenses.
- **READ** and **COMPREHEND** texts with varied subject matter, multiple points of view and verb tenses.
- **WRITE** prose that includes description and narration on a variety of topics with appropriate vocabulary;
- **PROVIDE** interpretations and supporting ideas.
- **EXHIBIT** understanding and demonstrate knowledge of cultural, geographical, historical and sociopolitical aspects of other societies.
- **DEMONSTRATE** an ability to see the world from multiple perspectives and become aware of themselves as members of the global community.

### **Language Placement Exam**

Incoming students are strongly encouraged to take the Foreign Language Placement Exam unless they have successfully completed three years of the same language during high school with a grade point average of 3.0 or higher each term. The placement exam should be taken online at [stmarys-ca.edu/orientation](http://stmarys-ca.edu/orientation) prior to attending orientation. Students should contact the Language Placement and Proficiency Coordinator who will assist them with access to the online exam. Students may take the placement exam once during each academic year and results are valid for one academic year. For placement in all other languages, students must contact the Placement and Proficiency Coordinator in the Department of World Languages and Cultures.

## **Advanced Placement Credit**

Students who have taken the AP exam in language and had a score of 3 receive course credit for level 3. For a score of 4, a student receives credit for levels 3 and 4. For a score of 5, a student receives credit for levels 4 and 9 or 10. Native speakers of Spanish who did not take the AP language exam are required to take SPAN 009. Students who have taken the AP exam in literature should consult the Placement and Proficiency Coordinator for appropriate placement.

## **French Studies**

### **Major Requirements for French Studies**

The French Studies major cultivates skills in research, analysis and cross-cultural communication that are essential to a lifetime of intellectual engagement and a wide variety of careers. Students in French Studies can pursue one of two options. Option A is a program for students who wish to study French but may not plan to continue to graduate school (although it does not preclude further study at the graduate level). Option B is an Honors major program for students intending to continue the study of French at graduate level. For the Honors option, a GPA of at least 3.0 in the major is required, as is the recommendation of two instructors.

### **Learning Outcomes for the Major in French Studies**

- **DEMONSTRATE** career-ready proficiency in all language modalities (speaking, writing, listening, reading) for a variety of purposes and a range of content and context
- **DEMONSTRATE** knowledge of literary texts and traditions across time, including major literary and intellectual movements, genres, writers and works, and ability to discuss and analyze literary texts from a variety of media
- **DEMONSTRATE** knowledge of several French-speaking cultures across time and geography, and ability to articulate an understanding of global perspectives, practices and products of those cultures
- **ARTICULATE** a critical analysis of artifacts and phenomena within the above-mentioned areas of content and cultural knowledge

### **Split Major with French**

The split major in which French is the predominant field of study requires FREN 001, FREN 002, FREN 003, FREN 004, FREN 005, FREN 015 (.25), FREN 100, FREN 101, FREN 196 (.25) and four electives. The split major in which French is not the predominant field requires FREN 001, FREN 002, FREN 003, FREN 004, FREN 005, FREN 015 (.25), FREN 100, FREN 101, FREN 196 (.25) and three electives.

## **Spanish and Latin American Studies (SaLAS)**

### **Major Requirements for Spanish and Latin American Studies (SaLAS)**

In addition to preparing students for a number of careers, the major in Spanish and Latin American Studies (SaLAS), assists students who wish to pursue graduate education. The program of study is

vibrant, flexible, challenging, and engaging. The SaLAS concentration cultivates skills in communication, research, and analysis that are essential to a lifetime of intellectual engagement with the language, cultures and literatures of

Spain and Latin America, and of Latinos in the United States. The courses required for the major fall into three broad categories: Hispanic Literary Studies, Hispanic Linguistic Studies, and Hispanic Cultural Studies.

The courses in Literary Studies offer students knowledge of the literatures and cultures of the Spanish-speaking world while achieving competency in the language. Students completing these courses will study the rich literary and cultural texts and traditions of Spain, the Americas, and the Caribbean. They will discuss major literary and intellectual movements, genres, and writers. As they do so, they will learn about history, politics, human rights, social activism, and gender roles through the lens of fictional and non-fictional characters, including the voices of writers who represent diverse class, gender, and ethnic backgrounds.

The courses in Hispanic linguistics offer students who are interested in the study of the linguistic fields of the Spanish language an increased understanding of language use and change. They provide excellent preparation for those whose career goals include graduate study in language and linguistics, and those who aspire to work in education, teaching, interpretation, and translation. They are also designed for those who wish to combine language study for the professions with another discipline (e.g., Education, Health Sciences and Psychology, Business, Justice, Community and Leadership).

The courses in Hispanic Cultural Studies are tailor-made for students interested in gaining a multidisciplinary understanding of the culture, languages and artistic artifacts of the Spanish-speaking world. From a variety of perspectives and through the use of diverse analytical tools, these courses provide students an understanding of the history, cultures, and contemporary issues of Latin America, including the presence of Latinos in the U.S., literature, film, music, politics, art, and history, among others, are featured.

#### **Learning Outcomes for SaLAS Major:**

*Students who complete this major will be able to:*

- Demonstrate a career-ready proficiency in all language modalities (speaking, writing, listening, and reading) for a variety of purposes and a range of content and contexts.
- Develop an understanding of the linguistic nature of Spanish, including its primary fields (phonology, morphology, syntax, semantics, sociolinguistics and dialectology, language acquisition, second language pedagogy, and historical linguistics).
- Demonstrate knowledge of Spanish and Latin American literary texts and traditions across time, including major literary and intellectual movements, genres, writers, and works; and discuss and analyze literary texts from a variety of sources.
- Demonstrate knowledge of Hispanic cultures and communities across time and geography, and articulate an understanding of global perspectives, practices, and products of those cultures.

#### **Split Major with Spanish**

The split major in which Spanish is the predominant field of study requires SPAN 009/SPAN 089 or SPAN 010/SPAN 090; SPAN 011/SPAN 091; 6.25 upper-division courses which must include SPAN 101; SPAN 102; two of the following: SPAN 120, SPAN 121, SPAN 140, SPAN 141; two electives, and SPAN 196. The split major in which Spanish is not the predominant field requires SPAN 009/SPAN 089 or SPAN 010/SPAN 090; SPAN 011/SPAN 091; three upper-division courses, one of which must be SPAN 101 or SPAN 102; and SPAN 196.

## **Minors in World Languages and Cultures**

#### **Learning Outcomes for a Minor**

Students graduating with a minor in East Asian Studies, French, Italian Studies, German Studies, or Spanish will be able to:

- **CONVERSE** using the present, past and future tenses in everyday situations.
- **DEMONSTRATE** satisfactory reading and writing skills.
- **ENGAGE** the target culture through various disciplines, including politics, economics, anthropology, history, literature and art.

### Prerequisite Grades

Any course listed in this department with a prerequisite assumes a grade of C- or better in the prerequisite course.

## French Studies, BA

### Lower Division

- FREN 001 - Elementary French
- FREN 002 - Continuing Elementary French
- FREN 003 - Intermediate French
- FREN 004 - Continuing Intermediate French
- FREN 005 - Introduction to French Studies
- FREN 015 - Phonetics

### Note

Students intending to major in French Studies must either take the courses mentioned above, or present evidence by examination or otherwise that their preparation includes the equivalent of said courses. FREN 015 is a .25 course in phonetics and pronunciation.

### Upper Division

Upper-division course listings are rotated regularly to offer students the widest variety in the field. If needed, students may complete two of their upper-division courses in English, with the approval of a faculty member in French. A minimum of three upper-division courses/credits have to be taken on campus. One upper-division credit can be completed by taking FREN 106 - Advanced Conversation four times.

### Option A:

A total of 7.25 courses distributed as follows:

- FREN 100 - French Literary Perspectives
- FREN 101 - Advanced French Syntax and Composition
- FREN 196 - Capstone AND
- Five upper division electives

### Honors Option B:

A total of 9.25 courses distributed as follows:

- FREN 100 - French Literary Perspectives
- FREN 101 - Advanced French Syntax and Composition
- FREN 196 - Capstone
- WLC 170 - Modern Critical Theory
- Six upper-division electives

## **Spanish and Latin American Studies, BA**

Students will need 10.25 courses to complete the Spanish major. They must complete the following courses:

### **Lower Division**

- SPAN 009 - Spanish for Spanish Speakers  
OR
- SPAN 010 - Conversation & Composition  
\* Note: a student can be placed into any of these courses by placing at that level through the Avant proficiency exam (a minimum placement of intermediate low is required) or by scoring at appropriate level on the AP Spanish Language and Culture or the AP Spanish Literature and Culture exam.
- SPAN 011 - Introduction to Literature  
\* Note: This requirement (SPAN 011) may be satisfied by scoring a 5 on the AP Literature and Culture Exam. Please see placement coordinator for more information.

### **Upper Division**

- SPAN 102 - Advanced Writing and Research
- SPAN 196 - Capstone (.25)

### **Two Courses in Hispanic Literary Studies**

Literature Courses: SPAN 120, SPAN 121, SPAN 122, SPAN 127, SPAN 130, SPAN 140, SPAN 141, SPAN 143, SPAN 145, SPAN 150

### **Two Courses in Hispanic Linguistic Studies**

Linguistics Courses: SPAN 100, SPAN 101, SPAN 103, SPAN 104, SPAN 131, SPAN 170

### **Two Courses in Hispanic Cultural Studies**

Cultural Studies Courses: SPAN 132, SPAN 160, SPAN 161, SPAN 162

### **One additional elective course within the major.**

Note: Some courses outside the SaLAS major can be petitioned for credit with approval of the chair.

## East Asian Studies Minor

### (Japanese Language)

The East Asian Studies Minor requires a total of 8.75 courses.

### Lower Division

Lower division requirements include four full credit (1.0) courses and their partial credit (.25) praxis:

- JAPAN 001 - Elementary Japanese
- JAPAN 081 - Elementary Japanese Praxis (.25)
- JAPAN 002 - Continuing Elementary Japanese
- JAPAN 082 - Continuing Elementary Japanese Praxis (.25)
- JAPAN 003 - Intermediate Japanese
- JAPAN 083 - Intermediate Japanese Praxis (.25)
- JAPAN 004 - Continuing Intermediate Japanese
- JAPAN 084 - Continuing Intermediate Japanese Praxis (.25)

A minimum of one conversation course

- JAPAN 006 - Beginning/Intermediate Conversation AND (.25)  
One culture course
- JAPAN 007 - Introduction to Japanese Culture (.25)

### Upper Division

Upper division requirements include:

- Three full credit courses focusing on aspects of East Asian culture, literature, film, history, politics, art, music, etc. At least two upper-division courses must be taken within the Department of World Languages and Cultures.
- JAPAN 196 - Capstone (.25)

## French Minor

The minor in French Studies requires a total of 10.75 courses, many of which are satisfied prior to entrance for those who have studied French prior to enrolling at Saint Mary's.

### Lower Division

- FREN 001 - Elementary French
- FREN 002 - Continuing Elementary French
- FREN 003 - Intermediate French
- FREN 004 - Continuing Intermediate French
- FREN 005 - Introduction to French Studies
- FREN 015 - Phonetics

## Upper Division

- FREN 100 - French Literary Perspectives
- FREN 101 - Advanced French Syntax and Composition
- FREN 196 - Capstone AND
- Two upper-division electives

## German Studies Minor

The German Studies minor requires a total of 8.75 courses.

### Lower Division

Lower division requirements include four full credit (1.0) courses and their partial credit (.25) praxis:

- GERM 001 - Elementary German
- GERM 081 - Elementary German Praxis (.25)
- GERM 002 - Continuing Elementary German
- GERM 082 - Continuing Elementary German Praxis (.25)
- GERM 003 - Intermediate German
- GERM 083 - Intermediate German Praxis (.25)
- GERM 004 - Continuing Intermediate German
- GERM 084 - Continuing Intermediate German Praxis (.25)

AND a minimum of two conversation courses

- GERM 006 - Beginning/Intermediate Conversation (.25)

## Upper Division

Upper division requirements include:

- Three full credit courses focusing on aspects of German culture, literature, film, history, politics, art, music, etc.
- GERM 196 - Capstone (.25)

At least two upper-division courses must be taken within the Department of World Languages and Cultures.

## Italian Studies Minor

The Italian Studies Minor requires a total of 8.75 courses.

### Lower Division

Lower division requirements include four full credit (1.0) courses and their partial credit (.25) praxis:

- ITAL 001 - Elementary Italian
- ITAL 081 - Elementary Italian Praxis (.25)

- ITAL 002 - Continuing Elementary Italian
- ITAL 082 - Continuing Elementary Italian Praxis (.25)
- ITAL 003 - Intermediate Italian
- ITAL 083 - Intermediate Italian Praxis (.25)
- ITAL 004 - Continuing Intermediate Italian
- ITAL 084 - Continuing Intermediate Italian Praxis (.25)

And a minimum of two conversation courses

- ITAL 006 - Basic Conversation (.25)
- ITAL 060 - Italian Civilization for Travel Courses (.25)
- ITAL 106 - Intermediate/Advanced Conversation (.25)

## Upper Division

Upper division requirements include:

- Three full credit courses focusing on aspects of Italian culture, literature, film, history, politics, art, music, etc.
- ITAL 196 - Capstone (.25)

At least two upper-division courses must be taken within the Department of World Languages and Cultures.

## Spanish Minor

Students will need 6 courses to complete the Spanish major. They must complete the following courses:

### Lower Division

- SPAN 009 - Spanish for Spanish Speakers  
OR
- SPAN 010 - Conversation & Composition  
\*Note: a student can be placed into any of these courses by placing at that level through the Avant proficiency exam (a minimum placement of intermediate low is required) or by scoring at appropriate level on the AP Spanish Language and Culture or the AP Spanish Literature and Culture exam.
- SPAN 011 - Introduction to Literature  
\*Note: This requirement (SPAN 011) may be satisfied by scoring a 5 on the AP Literature and Culture Exam. Please see placement coordinator for more information.

### Upper Division

- SPAN 102 - Advanced Writing and Research

AND

### Three upper-division 1-credit Spanish courses

To include courses in at least two areas: culture, linguistics, literature.



- Literature Courses: SPAN 120, SPAN 121, SPAN 122, SPAN 127, SPAN 130, SPAN 140, SPAN 141, SPAN 150
- Linguistics Courses: SPAN 100, SPAN 101, SPAN 103, SPAN 104, SPAN 131, SPAN 170
- Cultural Studies Courses: SPAN 132, SPAN 160, SPAN 161, SPAN 162

## Note

Note: Some courses outside the SaLAS major can be petitioned for credit with approval of the chair.

## Certificate of Biliteracy: Spanish

By design, the Certificate of Biliteracy is inclusive, in that it embraces all learners and intends to provide equal access and expanded opportunity. The certificate is also designed to be consistent and accessible. It certifies attainment by students of intermediate-mid level or advanced-low level of proficiency in Spanish in addition to English. It is a recognition that promotes and validates bilingualism and biliteracy. It includes those who learned their language at home, those who learned it in a classroom, and those who did so through other experiences. It can be awarded to "Spanish as a foreign language" students who have become fluent, or to native Spanish speakers whose formal education has been in English and so seek to ensure academic recognition of the whole of their language skills. The certificate offers a flexible, accurate, and reliable standard by which to recognize language skills at levels that are meaningful for academic and workplace environments.

## Who is the certificate for?

- The certificate is independent from a SPAN major/minor but students who decide to be majors and minors can also receive one as they complete a major or minor.
- Students from all Undergraduate majors across campus can obtain a certificate.
- Students in KSOE getting multiple and single subject credential can get a certificate.

## Certificate Program Requirements: Pathway to Completion

1. Take 3 courses in SaLAS, including SPAN 011 and at least one upper-division (UD) (with a grade point average of 2.8 across the three courses).
2. Take Avant proficiency exam administered by the placement and proficiency coordinator of the WLC. Exam costs 30 dollars per person.
  - Passing with **intermediate-mid** level proficiency (ACTFL standards) in all 4 modalities (reading, writing, speaking and listening). At this level, the candidate will receive a "FUNCTIONAL FLUENCY AWARD."

or

  - Passing with **advanced-low** level proficiency (ACTFL standards) in all 4 modalities (reading, writing, speaking and listening). At this level, the candidate will receive a "WORKING FLUENCY AWARD."

**Qualifying test scores are valid for 12 months following the test date.**

## **Purpose and Rationale**

- To recognize and value biliteracy and bilingualism as an academic outcome for our diverse population of students.
- To prepare students across majors with 21st century skills in critical thinking, problem solving, and awareness of cultural diversity.
- To recognize the value of Spanish language beyond the language requirement and to acknowledge the biliteracy skills of all students.
- To cultivate skills in communication, research, and analysis that are essential for a lifetime of intellectual engagement in language, cultures, and literatures of Spain, Latin America, and Latinos in the United States.
- To privilege and advocate for bilingual and bicultural fluidity as a societal and cultural necessity.
- To certify the attainment of biliteracy, thus giving employers a way of identifying people with these skills, and hence giving students a competitive edge in the job market.

## **Teacher Education**

The mission of the Kalmanovitz School of Education (KSOE) is to prepare teachers, administrators and counselors to be competent practitioners and agents for positive personal and social change. The Kalmanovitz School of Education is a student-centered learning community that inspires excellence and innovation in counseling, education, and leadership. Through the practice of shared inquiry, collaborative learning, and community engagement, we empower our students to lead change according to the principles of social justice and the common good.

Saint Mary's College of California was founded on the ideals of Saint John Baptist De la Salle, the patron saint of teachers. De la Salle believed that high-quality education should be made available to all, and the Teacher Education Department in the Kalmanovitz School of Education (KSOE) follows in his footsteps.

Through active and collaborative learning, we prepare students to be effective and innovative educators, to put the learner first, and to work toward the elimination of educational inequities based on race, ethnicity, culture, gender, social class, language, or disability.

For individuals who have completed a Bachelor's Degree we offer five different teaching credentials which can be completed in one year, including both college courses and student teaching (field placements).

## **Teaching Elementary or Middle School**

Our Preliminary Multiple Subject California Teaching Credential program prepares teachers to work in K-8 schools, either as an elementary school teacher or as a teacher of core subjects in a middle school (teaching at least two subjects).

## **Teaching Middle School or High School**

Our Preliminary Single Subject California Teaching Credential program prepares teachers for teaching in a designated subject area. We offer credentials in eight subject areas:

- Mathematics
- Science
- History-Social Science
- Art
- World Language
- Music
- Physical Education

## Teaching Students with Special Needs

Our Preliminary Education Specialist (Mild/Moderate) California Teaching Credential program prepares teachers to work in diverse settings with K-12 students with:

- Autism spectrum disorder
- Emotional disturbances
- Learning disabilities
- Mild-to-moderate intellectual disabilities
- Traumatic brain injury
- Other health impairments including Attention-Deficit Disorder (ADD) and Attention-Deficit/Hyperactivity Disorder (ADHD).

## Teacher Education Programs

For undergraduate students, in partnership with the Justice, Community and Leadership (JCL) program, there are two undergraduate pathways leading to a teaching credential at Saint Mary's College.

**JCL Integrated Special Education Teacher Education Preparation (INSTEP)** The Saint Mary's College Integrated Special Education Teacher Preparation Program (INSTEP) prepares future K-12 educators in their undergraduate pathway to become educational specialists.

**JCL Multiple Subject Teacher Education Concentration (MSTE)** - The MSTE Integrated prepares future elementary classroom teachers. With a strong emphasis on inclusive pedagogy and social justice education, our integrated 4-year BA program emphasizes early placement experience, critical pedagogy, and research-based teaching practices.

**Single Subject 4+1 Minor** - Incoming first-year students and qualifying sophomores who are committed to becoming middle or high school teachers may declare this minor. This special program enables students to integrate education coursework and field experience in middle and high schools with their undergraduate course of study. With a major in the discipline they would like to teach (History, English, etc.), students will gain the critical framework and field experience necessary to be a transformative educator. Students proceed through the SS4+1 minor in a cohort with TFT and other Single Subject 4+1 minors, taking many of their minor courses and all of their field experience with other cohort members.

Please refer to the following link for more information on different pathways: [stmarys-ca.edu/tft](http://stmarys-ca.edu/tft)

## Programs of Study

The Kalmanovitz School of Education offers coursework leading to basic teaching credentials, Master of Arts, and Master of Education.

## **Multiple Subject**

Preliminary Multiple Subject Credential  
Master of Arts in Teaching

## **Single Subject**

Preliminary Single Subject Credential  
Master of Arts in Teaching

## **Special Education**

Preliminary Mild/Moderate Education Specialist Credential  
Master of Education Degree  
Master of Arts in Teaching

## **Early Childhood Education**

Master of Arts Degree  
Master of Education Degree in Applied  
Developmental Education

## **Montessori Education**

Minor for undergraduate students in Montessori Thought  
American Montessori Society Early Childhood Credential  
American Montessori Society Elementary Education Credential  
Master of Arts Degree  
Master of Education Degree  
Master of Arts in Teaching

The Kalmanovitz School of Education publishes a separate student handbook and catalog of courses describing its graduate programs. Please consult the KSOE website: [stmarys-ca.edu/kalmanovitz-school-of-education](http://stmarys-ca.edu/kalmanovitz-school-of-education)

## **Interdisciplinary**

## **SMC**