

# Undergraduate Catalog of Courses

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Volume 2013 2013-2014

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## Complete Catalog

Saint Mary's College of California

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SAINT MARY'S COLLEGE OF CALIFORNIA | UNDERGRADUATE CATALOG OF COURSES 2013-2014

*Challenge everything you think you know.*



# 2013

*Undergraduate Catalog of Courses*

# 2014





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## THE CAMPUS

The Saint Mary's College campus is located in the rolling hills of the Moraga Valley. The 420-acre campus offers spaciousness and beauty with proximity to the cultural centers of the San Francisco Bay Area.

### INFORMATION

For more information about Saint Mary's College programs, services and activities call the campus operator who will direct you to the appropriate office: (925) 631-4000.

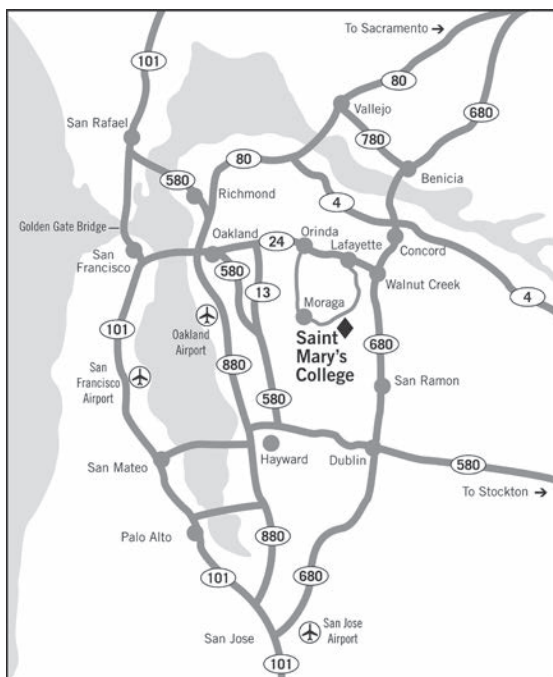
### DIRECTIONS TO CAMPUS

**From San Francisco Bay Bridge or San Rafael/Richmond Bridge:**

Take Highway 580 toward Hayward and then Highway 24 toward Walnut Creek. Once through the Caldecott Tunnel, take the second exit, which will be marked Orinda/Moraga. Turn right and follow Moraga Way about five miles. Turn left onto Moraga Road, then right onto Saint Mary's Road. The College is about one mile further on the right.

**From Walnut Creek/Highway 680:**

Take Highway 24 west (Oakland direction) to the Central Lafayette exit. Go right under freeway, right onto Mt. Diablo Blvd. one block, left onto Moraga Road 1/3 mile, and left onto Saint Mary's Road about four miles. The College will be on the left.



### From BART (Bay Area Rapid Transit):

Take the SFO/Millbrae–Pittsburg/Bay Point train to either the Orinda or the Lafayette station. From there, take the County Connection bus (Route 106) to Saint Mary's College. County Connection buses operate to and from the College from approximately 6 a.m. until 6 p.m., Monday through Saturday. Buses also run from 9:30 p.m. to 1:25 a.m. on Thursday and Friday, from 6:30 p.m. to 1:25 a.m. on Saturday, and from noon to 1:25 a.m. on Sunday. For exact times of bus schedules or more information, phone County Connection at (925) 676-7500.

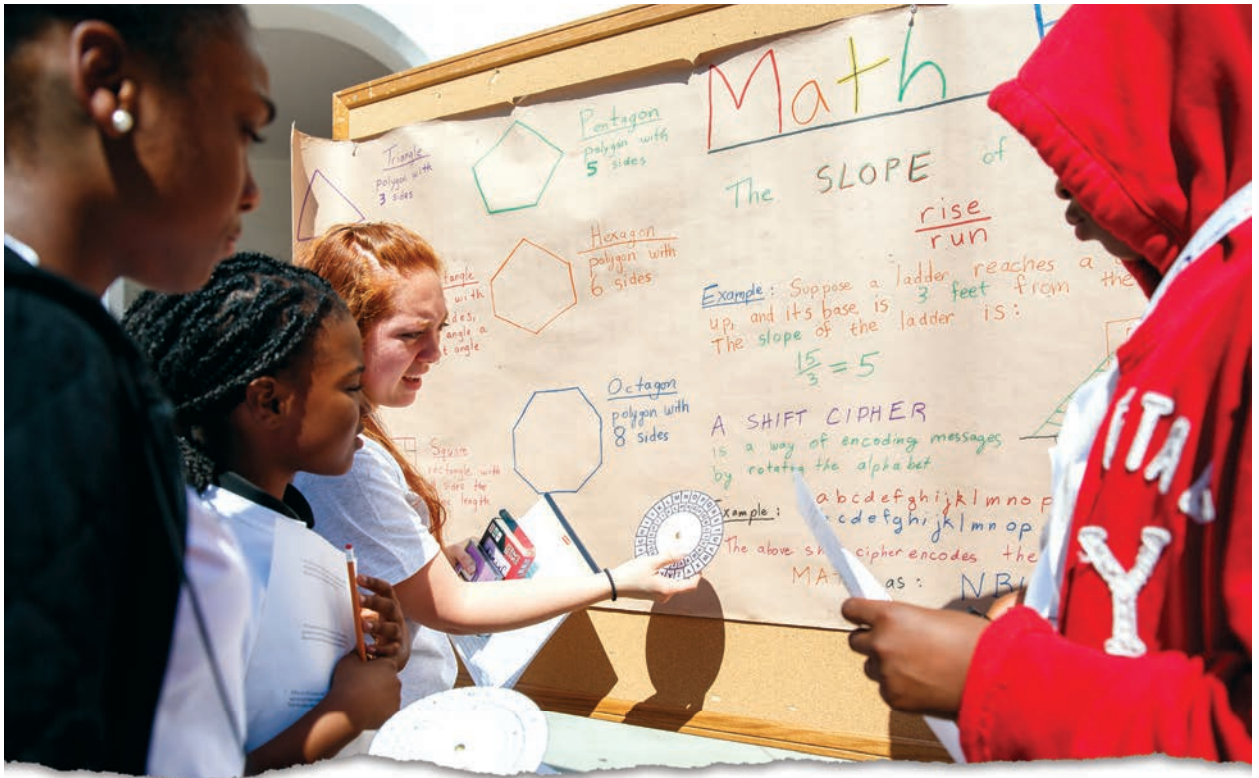
## UNDERGRADUATE ACADEMIC CALENDAR

### FALL TERM 2013

<b>September 1</b> SUNDAY	Residence Halls open for returning students
<b>September 2</b> MONDAY	Labor Day Holiday
<b>September 3</b> TUESDAY	Fall Term CLASSES BEGIN
<b>October 24–25</b>	Midterm Holiday
<b>November 27–December 1</b>	Thanksgiving Recess
<b>December 9–12</b>	Final Exams
<b>December 13–January 5</b>	Christmas and New Year's Recess

### JANUARY AND SPRING TERMS 2014

<b>January 6</b> MONDAY	January Term CLASSES BEGIN
<b>January 20</b> MONDAY	Martin Luther King, Jr. Holiday
<b>January 31</b> FRIDAY	Last day of January Term
<b>February 1–February 9</b>	Spring Recess
<b>February 10</b> MONDAY	Spring Term CLASSES BEGIN
<b>April 12–21</b>	Easter Recess
<b>May 19–22</b>	Final Exams
<b>May 24</b> SATURDAY	Undergraduate Commencement



## The College

### SAINT MARY'S COLLEGE OF CALIFORNIA

Saint Mary's is a comprehensive college—offering undergraduate and graduate programs that integrate liberal and professional education built upon a foundation of Catholic, Lasallian and liberal arts traditions.

The core Lasallian principles of social justice, faith in the presence of God, respect for all persons, inclusive community and quality education are reflected in every aspect of campus life and learning. Rooted in the Christian Brothers' commitment to teaching and learning, Saint Mary's student-centered education shapes individual lives that can transform society.

The Catholic tradition fosters a Christian understanding of the whole person and defends the goodness, dignity and freedom of each individual in a community that values diversity of perspective, background and culture.

The liberal arts tradition at Saint Mary's College seeks to educate and engage the intellect in an attempt to resolve the great questions that arise from common human

experience through a search that probes for fundamental principles and causes.

This approach develops the intellectual abilities of the whole person, preparing students for life beyond the knowledge and skills for any particular profession. It develops critical thinking, an understanding of and respect for different ways of knowing, and a desire for lifelong learning.

The College provides a welcoming environment knowing that the best academic achievement and social and personal development are realized in an environment that is culturally, spiritually and ethnically diverse, where every voice is heard and each student has the opportunity to grow, succeed and serve.

Saint Mary's faculty are deeply committed to teaching and interacting with students, while also being accomplished scholars. They are active members of a close community characterized by small classes, lively discussion and deep relationships.

The campus, known for its great natural and architectural beauty in the Moraga Valley, is only 20 miles east of San

Francisco. Surrounded by hills and woods, the white buildings with red tile roofs are designed in Mission Renaissance style, with the College Chapel as its architectural and spiritual heart.

### HISTORY

Saint Mary's College of California is one of the oldest colleges in the West. Founded in 1863 by the Roman Catholic Archdiocese as a college for men, the school was originally located in San Francisco, operating for several years under Archdiocesan direction.

In 1868, the De La Salle Christian Brothers assumed direction of the school. Theirs is the world's largest Roman Catholic order dedicated to teaching, founded 320 years ago by St. John Baptist de la Salle, who devoted his life to the ministry of Christian education, especially for the poor. Brother Justin McMahon, FSC, was the first Christian Brother president of Saint Mary's, who traveled to San Francisco accompanied by nine other Brothers. Under their leadership, the College's student body quickly increased from 50 to 200 students, with the first SMC bachelors' degrees awarded in 1872.

The Brothers added a commercial curriculum to the classical and scientific curricula when they arrived in 1868. The College was incorporated by the state of California on May 20, 1872, and the following year the first Master of Arts degree was conferred. Since that time the Brothers have directed the College and exercised an indispensable role in its administration, instruction and funding, working collaboratively with distinguished clerical and lay colleagues who fill many significant administrative and faculty appointments.

In 1889, the Saint Mary's campus moved from San Francisco to Oakland to the corner of 30th and Broadway, occupying a facility affectionately known as the "Brickpile." The College operated there until 1928, when it was moved to its current location in Moraga. The original Moraga campus was much smaller than the current campus; eleven of the original buildings, constructed in 1928 and 1929, are still in use today. They include the Chapel, Dante Hall and Galileo Hall.

In 1936, the Saint Mary's hillside was graced with the addition of "La Cruz de la Victoria," the Cross of Victory. The cross has become a familiar landmark among Saint Mary's students, alumni, professors and staff. Hiking up to the cross is a popular activity.

After the attack on Pearl Harbor in December of 1941, the United States Navy began using the Saint Mary's campus for pilot training. The Navy's presence on the campus led to significant changes, including moving the main entrance to the front of campus; this resulted in the clear view of the chapel that greets visitors today. The Navy also built Assumption Hall (now a freshman residence hall) and the world's largest indoor pool, which no longer exists.

Saint Mary's has evolved and changed over the years, with location, size and demographics completely transformed. Life for SMC's first students in the 19th century was quite different from the student's experience today. Tuition was \$60 per academic year for day students, and \$250 for boarding students. A student's day was rigidly scheduled, awakened at 6 a.m. for a day filled with an unvarying schedule of study, class, prayer, meals and recreation, then lights out at 8:30 in the evening.

Nevertheless, traces of the College's past remain—like the ringing of the chapel bells, the same bells that every Saint Mary's student has heard and remembers. And the College's commitment to service, learning and community remains very true to its origins. As the SMC community looks to the future of Saint Mary's, we will continue to honor the common thread that connects generations of Gaels.

### CHRONOLOGICAL HISTORY

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- 1863** Saint Mary's College on Mission Road in San Francisco dedicated on July 9 by Archbishop Joseph Sadoc Alemany.
- 1868** Arrival of the Christian Brothers, August 11, commercial curriculum established.
- 1872** Chartered by the state of California, May 20, Saint Mary's conferred its first bachelor of arts and its first bachelor of science.
- 1873** First master of arts degree conferred.
- 1889** Saint Mary's College moved to 30th and Broadway in Oakland; the Brickpile dedicated on August 15.
- 1894** Fire severely damaged the Brickpile; the College returned to the San Francisco campus for a year during rebuilding.
- 1901** Civil and mechanical engineering curriculum established.
- 1905** Art curriculum established at Saint Mary's College, the first Catholic college west of the Mississippi to offer a full art curriculum.
- 1906** School of Commerce established.
- 1910** Pre-medical curriculum established.
- 1921** School of Engineering and School of Foreign Trade established.
- 1924** School of Education and School of Law (evening) established.
- 1927** The College became the first Catholic men's college to join the Northwestern Association of Schools and Colleges.
- 1928** Saint Mary's College moved to the Moraga campus and was dedicated on September 3; School of Law remained in Oakland and closed in 1931.
- 1933** School of Economics and Business Administration established.
- 1935** School of Arts and Letters, and School of Science (engineering, pre-medical, pre-dental and science curricula combined) established.
- 1941** World Classics Core Curriculum (now Collegiate Seminar) established.
- 1942-46** After the attack on Pearl Harbor, the Navy conducted preflight training at the College.
- 1946** School of Liberal Arts established.
- 1969** Brother Mel Anderson, FSC, became president of Saint Mary's College; 4-1-4 calendar established for undergraduate programs.
- 1970** Women are admitted to Saint Mary's College.
- 1974** Graduate and extended education divisions established.
- 1981** Intercollegiate baccalaureate program in nursing with Samuel Merritt College established.
- 1985** School of Extended Education and School of Education established.
- 1987-88** 125th anniversary of the College's founding; its 60th year in Moraga.
- 1997** Brother Mel Anderson, FSC, D. Litt., L.H.D., retired after 28 years as president of Saint Mary's, and Brother Craig Franz, FSC, Ph.D., named new president of Saint Mary's.
- 1999** School of Education established College's first doctoral program, Ed.D in Educational Leadership.
- 2004** Brother Ronald Gallagher, FSC, Ph.D., named new president of Saint Mary's; Geissberger Observatory opens.
- 2007** Brousseau Hall christened, honoring Brother Alfred Brousseau.
- 2008** New home to the Kalmanovitz School of Education—Filippi Academic Hall—opens.
- 2012-13** Saint Mary's College celebrates its sesquicentennial or 150th anniversary.



## STATEMENT OF MISSION

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Saint Mary's College in the 21st century celebrates the three traditions that have sustained it since its earliest years and seeks its future in them: the classical tradition of liberal arts education, the intellectual and spiritual legacy of the Catholic Church, and the vision of education enunciated by Saint John Baptist de La Salle and developed by the Brothers of the Christian Schools and their colleagues in a tradition now more than 300 years old.

THE MISSION OF SAINT MARY'S COLLEGE IS:

**> To probe deeply the mystery of existence by cultivating the ways of knowing and the arts of thinking.**

Recognizing that the paths to knowledge are many, Saint Mary's College offers a diverse curriculum which includes the humanities, arts, sciences, social sciences, education, business administration and nursing, serving traditional students and adult learners in both undergraduate and graduate programs. As an institution where the liberal arts inform and enrich all areas of learning, it places special importance on fostering the intellectual skills and habits of mind which liberate persons to probe deeply the mystery of existence and live authentically in response to the truths they discover. This liberation is achieved as faculty and students, led by wonder about the nature of reality, look twice, ask why, seek not merely facts but fundamental principles, strive for an integration of all knowledge, and express themselves precisely and eloquently.

**> To affirm and foster the Christian understanding of the human person which animates the educational mission of the Catholic Church.**

Saint Mary's College holds that the mystery which inspires wonder about the nature of existence is revealed in the person of Jesus Christ, giving a transcendent meaning to creation and human existence. Nourished by its Christian faith, the College understands the intellectual and spiritual journeys of the human person to be inextricably connected. It promotes the dialogue of faith and reason; it builds community among its members through the celebration of the Church's sacramental life; it defends the goodness, dignity and freedom of each person, and fosters sensitivity to social and ethical concerns. Recognizing that all those who sincerely quest for truth contribute to and enhance its stature as a Catholic institution of higher learning, Saint Mary's welcomes members from its own and other traditions, inviting them to collaborate in fulfilling the spiritual mission of the College.

**> To create a student-centered educational community whose members support one another with mutual understanding and respect.**

As a Lasallian college, Saint Mary's holds that students are given to its care by God and that teachers grow spiritually and personally when their work is motivated by faith and zeal. The College seeks students, faculty, administrators and staff from different social, economic and cultural backgrounds who come together to grow in knowledge, wisdom and love. A distinctive mark of a Lasallian school is its awareness of the consequences of economic and social injustice and its commitment to the poor. Its members learn to live "their responsibility to share their goods and their service with those who are in need, a responsibility based on the union of all men and women in the world today and on a clear understanding of the meaning of Christianity." (From *The Brothers of the Christian Schools in the World Today: A Declaration*).

## The College

### FACULTY

The College is, in every sense, a community of scholars. Faculty members are teacher-scholars. They are selected for their dedication to and skill in teaching, and for their desire to share their passion for learning and discovery.

The small size of the College and the commitment of its faculty foster an extraordinarily close and informal relationship between faculty and students. Faculty members are available to students not only in the classroom but outside it as well, for academic advice, guidance and mentoring. Faculty are expected to teach courses at all levels, from freshman through graduate, and faculty members make themselves available to students at all levels, rather than isolating themselves among small groups of advanced students. Our small class size and faculty advising system foster close and frequent contact between professors and students.

The College values faculty scholarship because it enhances the intellectual vitality of the faculty and directly animates the entire campus community. Scholarly research ensures that faculty members have a thorough and up-to-date knowledge of the subjects they teach, as well as the appropriate pedagogy in those fields. As part of a community committed to shared inquiry and active learning, faculty scholar-teachers provide models from which students can learn the value and techniques of inquiry and from which they can learn to value the life of the mind.

The College prides itself on a faculty of remarkable distinction and continually renewed commitment to scholarship and teaching.

### ACADEMIC ORGANIZATION

Saint Mary's College is organized into four schools that provide the programs of study for students at the undergraduate and graduate levels.

The School of Liberal Arts offers the degree of Bachelor of Arts in 15 major fields, a Bachelor of Arts in the Integral Program, and one in the Liberal & Civic Studies Program; the Master of Arts in Leadership and in Kinesiology; a Master of Fine Arts in Creative Writing; and two B.A. degree completion programs, one in the Performing Arts and one in Leadership & Organizational Studies.

The School of Science offers the degree of Bachelor of Science in seven major fields. There is a 3+2 program in engineering, in conjunction with a number of universities, and a 2+2 Pre-Nursing program.

The School of Economics and Business Administration offers the degree of Bachelor of Science in three major fields, as well as the Bachelor of Arts in one major field. It offers the degree of Master of Business Administration.

The Kalmanovitz School of Education offers undergraduate courses in teaching and Montessori education. There are nine programs in the School of Education offering three preliminary teaching credentials, service and administrative credentials, as well as master's degrees. A doctorate in educational leadership is also offered..

See the Graduate Catalog for a full description of graduate and professional programs. Kalmanovitz School of Education and the School of Economics and Business Program also publish separate brochures describing these programs. See pages 13–17 for contact information for these programs.

### ACCREDITATION

The administration of Saint Mary's College is vested in the Board of Trustees and the president of the College, and is empowered by the charter of 1872 granted by the state of California to confer upon students who satisfactorily complete the prescribed courses of studies in the College such academic and/or professional degrees and/or literary honors as are usually conferred by universities and/or colleges in the United States.

Saint Mary's College is nationally recognized as a standard four-year college and is accredited by the Western Association of Schools and Colleges, 985 Atlantic Avenue, Suite 100, Alameda, CA 94501, phone (510) 748-9001. The credential programs in the School of Education are also accredited by the California Commission on Teacher Credentialing. The Montessori program is affiliated with the American Montessori Society and accredited by the Montessori Accreditation Council for Teacher Education. The Saint Mary's College Museum of Art housing the Hearst Art Gallery is the only art museum in Contra Costa County accredited by the American Association of Museums.



## ***College Policies and Disclosure Summaries***

Below is a brief summary of some of the College's policies and disclosures that apply to students. Full policy statements and other disclosures can be found in student, faculty and staff handbooks, as well as in a variety of other publications of the College.

### **NON-DISCRIMINATION DISCLOSURE**

In compliance with applicable law and its own policy, Saint Mary's College of California is committed to recruiting and retaining a diverse student and employee population and does not discriminate in its admission of students, hiring of employees, or in the provision of its employment benefits to its employees and its educational programs, activities, benefits and services to its students, including but not limited to scholarship and loan programs, on the basis of race, color, religion, national origin, age, sex/gender, marital status, ancestry, sexual orientation, medical condition or physical or mental disability.

### **SECTION 504 AND ADA COORDINATOR**

The student Section 504 and ADA coordinator, Jennifer Billeci, (925) 631-4164, is responsible for evaluating and working with qualified students regarding requests for reasonable accommodations. All questions regarding the College's non-discrimination policy and compliance with it and the various laws, and any complaints regarding alleged violations of College policy, should be directed to the Assistant Vice President, Human Resources, Eduardo Salaz, who serves as the Equal Employment Opportunity Compliance Officer and, with respect to employees, the ADA coordinator for the College, (925) 631-4212.

A full statement of the College's discrimination, retaliation and amorous relationship policies can be found in the student, staff and faculty handbooks.

## College Policies and Disclosure Summaries

### TITLE IX COORDINATOR

Inquiries regarding compliance with Title IX may be directed to the Assistant Vice President, Human Resources, Eduardo Salaz, first floor of Filippi Hall, phone (925) 631-4212, email [els3@stmarys-ca.edu](mailto:els3@stmarys-ca.edu), or to the Dean of Students, second floor Ferroggiaro Hall, phone (925) 631-8510, in addition to or instead of the Assistant Vice President, Human Resources.

### FAMILY EDUCATIONAL RIGHTS AND PRIVACY ACT OF 1974: A BRIEF INTRODUCTION

FERPA stands for the "Family Education Rights and Privacy Act of 1974." You might also hear it referred to as the "Buckley Amendment." This law protects the privacy of student education records. FERPA applies to all schools that receive funds through an applicable program of the U.S. Department of Education, and thus most colleges and universities are covered by FERPA.

FERPA defines the phrase "education record" broadly as "those records, files, documents and other materials which 1) contain information directly related to a student; and 2) are maintained by an educational institution.

Annually, Saint Mary's College informs students of their rights and obligations under FERPA. A statement of Saint Mary's College's complete FERPA Policy can be found in the Office of the Registrar, the Student Handbook and on the College's website.

### SUMMARY OF THE POLICY PROHIBITING DISCRIMINATION, HARASSMENT (INCLUDING SEXUAL HARASSMENT AND SEXUAL VIOLENCE) AND RETALIATION

Saint Mary's College of California is committed to creating and maintaining a community in which all persons who participate in Saint Mary's programs and activities can work and learn together in an atmosphere free of all forms of discrimination, exploitation, intimidation, or harassment (including sexual harassment and sexual violence) based on a legally protected characteristic or status. Every member of the Saint Mary's community should be aware that Saint Mary's will not tolerate harassment or discrimination on the basis of race, color, religion, national origin, ancestry, age, gender, sexual orientation, marital status, medical condition, or physical or mental disability, gender stereotyping, taking a protected leave (e.g., family, medical, or pregnancy leave), or on any other basis protected by applicable laws. Such behavior is prohibited both by law and by Saint Mary's policy. It is Saint Mary's intention to take whatever action may be needed to prevent, correct and, if necessary, discipline behavior which violates this policy, which may include suspension, termination, expulsion, or another sanction appropriate to the circumstances and violation. All members of the Saint Mary's community, including faculty, students and staff are responsible for maintaining an environment that is free of sexual harassment (including sexual violence and sexual assault) and other forms of discrimination, harassment and retaliation as described in this Policy.

Reports under this policy that involve undergraduate students or undergraduate student visitors may be made initially to the Dean of Students (925) 631-8510, in addition to or instead of the Assistant Vice President, Human Resources, Eduardo Salaz, (925) 631-4212.

A full statement of the College policy and procedures concerning discrimination, harassment and retaliation can be found in the faculty, staff and student handbooks.





## Signature Programs

### SAINT MARY'S CORE CURRICULUM

The Core Curriculum consists of skills, knowledge and values that provide the foundation of student learning at Saint Mary's College. It is an intentional, developmental and integrated program of study designed to educate students in three broad intellectual areas: Habits of Mind, Pathways to Knowledge, and Engaging the World.

**Habits of Mind:** Fundamental to a liberal arts education are the habits of mind that prepare students for a lifetime of learning and critical engagement with the world. Beginning in their Collegiate Seminar and Composition courses, and continuing in their major and throughout the curriculum, students develop their skills in *Critical Thinking, Shared Inquiry, Written & Oral Communication* and *Information Evaluation & Research Practices*.

**Pathways to Knowledge:** An understanding of the diverse ways that humans encounter and explain the world is a central component of a liberal arts education. Through specially designated courses in the disciplines, the SMC Core assures that students will learn to tread the most important pathways to knowledge: *Artistic Understanding, Theological Understanding, Mathematical & Scientific Understanding, and Social, Historical & Cultural Understanding*.

**Engaging the World:** An education is only complete when it ventures beyond the walls of the classroom. In fulfillment of the Catholic, Lasallian and Liberal Arts mission of the College, the SMC Core asks all students to engage with the world in substantive and meaningful ways. Through participation in curricular and co-curricular experiences that fulfill the goals of *American Diversity, Global Perspective, the Common Good* and *Community Engagement*, students will explore issues of justice, civic responsibility and social difference that facilitate a critical reflection on what it means to be an ethical citizen in today's world.

## Signature Programs

### COLLEGIATE SEMINAR PROGRAM

Since 1941, the Collegiate Seminar Program has played a key role in the undergraduate experience at Saint Mary's College. The Collegiate Seminar Program seeks to engage Saint Mary's students in a critical and collaborative encounter with the great texts of the Western tradition and with great texts of other traditions. Attending to the dialogue among traditions, students take part in 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 in speaking and writing—powers that will serve them for the rest of their lives.

Collegiate Seminar involves all undergraduate students and faculty throughout the schools and academic departments of the College. For both students and faculty, engagement in the seminar transcends individual disciplines and programs of study. The program is based on a genuine sense of collegiality and reflects the core identity of the College as an intellectual community. It offers students and faculty from all areas of campus the opportunity to meet and to interact. The program promotes civil dialogue and respect for multiple perspectives and interpretations; though given to different ways of seeing and thinking, students and faculty join to share a common experience.

The Collegiate Seminar Program fosters collegiality and intellectual community by providing an authentic forum: students read and discuss shared, challenging texts from diverse genres, traditions and periods and, under the guidance of faculty from many disciplines, test their own experience and their notions of authentic humanity against them. Through common, conversational inquiry, students enhance their powers of understanding, analysis and evaluation; they develop their appreciation for the diverse ways of knowing that the texts embody and for the intellectual threads that connect the texts prospectively and retrospectively through history; they lay the bases for life-long, reflective pursuit of meaning and for the deep learning that accepts ambiguity just as it seeks clarity, in the hope of truth.

### JANUARY TERM

Since 1970, January Term has offered both students and faculty the opportunity to explore courses and experiences that depart from the constraints of the regular semester. Here, students are encouraged to explore beyond their major, minor or core requirements. Each January Term is organized around a central theme, chosen by the community, and faculty develop a new curriculum composed of content and approaches designed to stimulate the imagination and experiment with both subject matter and technique.

Like Collegiate Seminar, all undergraduate students and faculty participate in January Term. Students and faculty are freed from disciplinary constraints to create innovative learning experiences. Students are required to take one January Term course each year. The College offers both on-campus courses and off-campus travel courses throughout the United States and many parts of the globe. Many courses emphasize experiential learning through service, community-based research and on-site learning relevant to the region.

Each January promises new and innovative opportunities. Since students enroll in only one course, which equals a full semester credit, faculty members expect more and tend to increase the pace of instruction. January Term is designed to suspend the ordinary and engage the extraordinary!



## ***The Schools***

### **SCHOOL OF LIBERAL ARTS**

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A liberal arts education is the ideal preparation for citizen leaders of the Twenty-first Century. The School of Liberal Arts at Saint Mary's College has three educational purposes:

1. To free the mind from ignorance and error;
2. To foster self-discovery and personal development;
3. To promote understanding of the world and one's place in it.

The School of Liberal Arts offers an education that lasts a lifetime—one that honors cooperative as well as individual achievement, promotes the application of learning to progressively complex problems, and fosters creativity, self-awareness, and civic engagement. No matter what they study—the fine arts, the humanities, the social sciences—liberal arts students not only complete a degree in their chosen academic area, they also learn to think critically, gather and assess information, solve problems, express themselves with clarity and precision, and collaborate effectively with others.

The hallmark of a liberal arts education is the preparation it gives students for lifelong learning. Technical skills may become obsolete over time, but the skills and values gained through liberal arts coursework will not. Almost every profession requires the intellectual habits of rational analysis, integrative thinking, and ethical decision-making. Today's organizations value students with a liberal arts education because their knowledge, values and skills better prepare them for changing economic conditions than pre-professional courses.

## The Schools

The undergraduate departments, programs, and curricular areas of the school are:

**Anthropology**  
**Art & Art History**  
**Classical Languages**  
**Communication**  
**English**  
**English Composition Program**  
**Ethnic Studies Program**  
**History**  
**Integral Program**  
**International Area Studies Program**  
**Kinesiology**  
**Liberal and Civic Studies Program**  
**Modern Languages**  
**Performing Arts: Dance, Music and Theatre**  
**Philosophy**  
**Politics**  
**Sociology**  
**Theology and Religious Studies**  
**Women's and Gender Studies Program**

Saint Mary's College confers the Bachelor of Arts degree on completion of the general College requirements and a major in one of the following areas: anthropology, art/art history, classical languages, communication, English, French, history, kinesiology, performing arts: music, dance and theatre, philosophy, politics, sociology, Spanish, theology and religious studies, and women's and gender studies. The Bachelor of Arts is also conferred in the Integral Program and in the Liberal and Civic Studies Program. Interdisciplinary majors are available in American Studies, International Area Studies, Environmental Studies, Health and Human Performance, and Cross-Cultural Studies. Minors are available in all of the major disciplines as well as in Ethnic Studies, East Asian Studies, German Studies, Italian Studies, Archaeology, and Justice and Community. Academic programs in foreign countries are offered in both semester and summer programs.

In the School of Liberal Arts, Saint Mary's College offers a Bachelor of Arts degree-completion program in professional performing arts (Liberal Education for Arts Professionals, L.E.A.P.), a Bachelor of Arts degree-completion program in Leadership & Organizational Studies (BALOS), a Master of Arts degree in Kinesiology: Sports Studies; a Master of Arts degree in Leadership; and a Master of Fine Arts in Creative Writing.

For information on the bachelor degree-completion program for Leadership & Organizational Studies (BALOS), please contact Louise Goeckel ([lag4@stmarys-ca.edu](mailto:lag4@stmarys-ca.edu)) or Sue Norton Costa ([snc4@stmarys-ca.edu](mailto:snc4@stmarys-ca.edu)) or phone (925) 631-8715.

For information on the bachelor degree-completion program for arts professionals, write L.E.A.P. Program, P.O. Box 4700, Saint Mary's College, Moraga CA 94575-4700, or phone (925) 631-4538.

For information on the master's degree in Kinesiology: Sports Studies, write Department of Kinesiology, P.O. Box 4500, Saint Mary's College, Moraga, CA 94575-4500, or phone (925) 631-4377.

For information on the Master of Fine Arts Program in Creative Writing, write MFA Program in Creative Writing, P.O. Box 4686, Saint Mary's College, Moraga, CA 94575-4686, or phone (925) 631-4088.

For information on the Master of Arts in Leadership, phone (800) 621-4715 or contact Tammy Appling-Cabading ([tappling@stmarys-ca.edu](mailto:tappling@stmarys-ca.edu)) or Ann Marie Foley ([afoley@stmarys-ca.edu](mailto:afoley@stmarys-ca.edu)).



## SCHOOL OF SCIENCE

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The School of Science has as its primary objective the development of a scientific and mathematical inquiring mind in the context of humanistic values. Students are introduced to fundamental scientific theories and their supporting data, and are encouraged to develop their powers of observation, synthesis and analysis, as well as their quantitative skills. Familiarity with the scientific methods of knowing and investigative inquiry is enhanced through laboratory experiences and research opportunities.

Incoming freshmen have the opportunity to join a residential community of science students. For details, see Living and Learning Communities (p. 36).

The departments and programs of the School of Science are:

- Allied Health Science**
- Biochemistry**
- Biology**
- Chemistry**
- Environmental and Earth Science and Studies Programs**
- Mathematics and Computer Science**
- Physics and Astronomy**
- Psychology**
- 3+2 Engineering Program**
- 2+2 Pre-Nursing Program**

The academic programs of the School of Science are designed to provide preparation for a wide variety of scientific and professional careers. Graduates obtain advanced degrees (M.S., Ph.D.) in many mathematical and scientific disciplines, going on to serve in higher education and research. Graduates enter professional schools in such health care areas as medicine, dentistry, veterinary medicine, physical therapy and pharmacy. They may pursue careers in all of the major fields of engineering through the 3+2 Engineering Program. Many graduates of the School of Science find satisfying careers in secondary schools, in business and industry, and in government service.

Saint Mary's College confers the Bachelor of Science degree on completion of the general College requirements and a major concentration in one of the following areas: biochemistry, biology, chemistry, computer science, earth science, environmental science, environmental studies, mathematics, physics and psychology. In addition, the Bachelor of Science degree is awarded upon completion of the interdisciplinary major in allied health science. Students who wish to major in engineering may begin their studies at Saint Mary's through the 3+2 Engineering Program, transferring after their junior year to an affiliated engineering program elsewhere. On completion of the engineering major, they receive a Bachelor of Arts from Saint Mary's in addition to a Bachelor of Science in engineering from the affiliated university. See 3+2 Engineering Program. Saint Mary's College also confers the Bachelor of Arts degree in mathematics. Finally, a certificate of completion in the pre-Nursing curriculum is offered when a student completes the 2+2 Pre-Nursing Program to transfer to Samuel Merritt University. See 2+2 Pre-Nursing Program.

## SCHOOL OF ECONOMICS AND BUSINESS ADMINISTRATION

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Built upon the Lasallian, Catholic and Liberal Arts traditions of Saint Mary's College, the School of Economics and Business Administration strives to develop business and community leaders with global and responsible perspectives. We prepare our graduates to be professionally skilled, culturally aware, socially responsible and ethically principled. As teachers, scholars and mentors, we offer students a rigorous, innovative and diverse learning experience by leveraging on our practice-relevant, pedagogical and discipline-based research.

The School of Economics and Business Administration is committed to the values that are central to Saint Mary's College: academic excellence, personal integrity, ethical behavior and respect for human dignity. These values are integrated into an academic program that prepares students for a successful and meaningful professional career, community contribution, a life of personal satisfaction and individual fulfillment.

The School of Economics and Business Administration offers distinguished undergraduate programs in Accounting, Economics and Business Administration. The School confers the following degrees: the Bachelor of Science in Accounting, the Bachelor of Science in Business Administration, and the choice of a Bachelor of Arts or Bachelor of Science in Economics. Our Business Administration majors have an opportunity to choose a concentration in any of the following areas: Marketing, Finance, Global Business and Entrepreneurship. In addition, Business Administration majors can also choose an interdisciplinary concentration called Digital Media.

The concepts and analytical approaches drawn from the three disciplines are intended to prepare students to understand and function effectively in the highly competitive, technologically complex, politically volatile and culturally diverse global economy of the 21st century. Consideration of the ethical implications and social responsibilities of economic activity and business enterprise is an integral part of each major.

The curricula in the School of Economics and Business Administration consist of coherent groups of courses that seek to balance the need for developing analytical and presentation skills, theory and practice. A major strength of the school is that many instructors have years of professional experience in the fields they teach. As a result, the student is introduced to the business fields in a relevant manner. The subject matter within the three disciplines is discussed thoroughly and systemically, and in a way that challenges students to approach problems critically and to solve them efficiently. The curriculum provides the mathematical and information-technology skills needed for the advanced courses as well as for careers and graduate studies. Graduates of the school are trained to assume leadership roles as entrepreneur, manager, financier, teacher, lawyer, investor or researcher. Many graduates go on to graduate study in business, law or economics.

## The Schools

The School also offers internship and experimental learning opportunities as well as the innovative 4-year professional development "Career Gateway" program. The "Career Gateway" program offers a wide variety of workshops ranging from interviewing techniques, time management, resume writing, and cross-cultural skills to technology, social media and other paramount seminars that prepare our graduates to be successful upon graduation as they pursue different career paths. In addition, a number of student clubs and organizations are available for SEBA students to get involved either in leadership roles or participate as active members. These include the Business Club, American Marketing Association Collegiate Chapter, Economics Club, Accounting Association and Enactus Chapter.

The School of Economics and Business Administration also offers graduate degree programs, which include the Professional MBA, Executive MBA, Hybrid Executive MBA, Trans-Global Executive MBA, the M.S. in Financial Analysis and Investment Management, and the M.S. in Accounting.

For information on the graduate programs, please send your inquiries to: Graduate Business, Saint Mary's College, 380 Moraga Road, Moraga, CA 94556. Phone: (925) 631-4888. Email: [smcmba@stmarys-ca.edu](mailto:smcmba@stmarys-ca.edu).

## KALMANOVITZ SCHOOL OF EDUCATION

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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 innovation in education and counseling. We empower our students to deliver excellence and to lead change according to the principles of environmental and social justice.

Although the School of Education's primary orientation is toward graduate degrees and helping students fulfill state of California credential and/or licensure requirements, various courses are offered to undergraduate students as preliminary preparation for careers related to child development and education.

## UNDERGRADUATE PROGRAM

At the undergraduate level, the School of Education offers course work applicable toward the state of California Elementary and Secondary Teaching Credentials, the Montessori Early Childhood and Elementary Credential Programs and the California Child Development Permit.

### AMERICAN MONTESSORI SOCIETY AFFILIATED TEACHER TRAINING PROGRAM

The Montessori Teacher Education Programs are affiliated with the American Montessori Society (AMS) and accredited by the Montessori Accreditation Council for Teacher Education (MACTE). The academic phase of the Early Childhood Credential Program may be taken in whole or in part by undergraduates. This program forms the Liberal and Civic Studies minor called Montessori Thought (p. 119) but is also open to students in other majors. For those wishing to pursue the American Montessori credential, the classes taken in the minor are prerequisites to the paid internship which takes place at the graduate level and leads to the awarding of the international Montessori credential. Courses may apply toward the Montessori elementary or early childhood teaching credential requirements and the California Child Development Permit requirements.

For further information, consult with a Liberal and Civic Studies advisor and/or the coordinator of the Montessori Program in the School of Education.

## PROGRAMS OF STUDY

The School of Education offers coursework leading to basic teaching credentials; specialist and service credentials; Master of Arts, Master of Education and Doctorate of Educational Leadership degrees; and various teaching, counseling and administrative permits, certificates, and license preparation. Courses are organized into nine main programs of study:

### TEACHING ENGLISH TO SPEAKERS OF OTHER LANGUAGES

- Teaching English to Speakers of Other Languages (TESOL) Certificate
- Master of Arts Degree

### EARLY CHILDHOOD EDUCATION

- Master of Arts Degree
- Master of Education Degree in Applied Developmental Education

### EDUCATIONAL LEADERSHIP

- Preliminary Administrative Services Certificate, Tier I
- Master of Arts Degree
- Master of Arts in Teaching Leadership Degree
- Doctorate of Educational Leadership Degree

### GRADUATE COUNSELING

- Master of Arts Degree: Counseling
  - Career Counseling
  - College Student Services
  - Marriage and Family Therapy/Professional Clinical Counselor (LMFT and/or LPCC license preparation)
- School Counseling: Pupil Personnel Services Credential (PPS)
- School Psychology: Pupil Personnel Services Credential (PPS-SP)

### MONTESSORI EDUCATION

- Liberal & Civic Studies Minor for
  - Bachelor of Arts Degree: Montessori Thought
- American Montessori Society
  - Early Childhood Credential
- American Montessori Society
  - Elementary Education Credential
- Master of Arts Degree
- Master of Education Degree

### MULTIPLE SUBJECT

- Preliminary Multiple Subject Credential
- Master of Arts in Teaching

### READING AND LANGUAGE ARTS LEADERSHIP

- Reading Certificate
- Reading and Language Arts Specialist Credential
- Master of Arts Degree
- Master of Education Degree

### 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

In addition, special programs in reading recovery and beginning teacher support and assessment are offered for practicing teachers.

The School of Education publishes a separate student handbook and catalog of courses describing its graduate programs. Please consult the KSOE website: [stmarys-ca.edu/academics/schools/school-of-education](http://stmarys-ca.edu/academics/schools/school-of-education).



## ***Enrollment and Admission***

### **ENROLLMENT**

#### **VICE PROVOST FOR ENROLLMENT**

The vice provost for enrollment is responsible for the offices and procedures which serve students in the recruitment, admissions and enrollment processes of the College. Working collaboratively with colleagues in academic and student affairs, the vice provost spearheads and coordinates institution-wide retention efforts. To better understand the needs of students and to assist the College in its assessment and planning efforts, Enrollment Services gathers and reports on institutional data. The offices and functions included within Enrollment Services are admissions, financial aid, the Registrar, articulation and transfer, international recruitment and admissions.

#### **REGISTRAR**

The Registrar is responsible for creating and managing registration functions which serve members of the academic community in the enrollment process. In this role, the Registrar is responsible for the following registrarial functions: academic records (issuance of transcripts and grades, grading policies); enrollment (preregistration and registration procedures, leave of absence, withdrawal from school, verification of

enrollment, progress toward the degree (academic probation, petitions for special action, declarations of majors and minors); determination of degree requirements (graduation candidacy, granting of degrees, academic evaluations); and the academic calendar (class schedule, room assignments, final examination schedule).

#### **ARTICULATION AND TRANSFER**

The director of articulation and transfer serves as the institutional advocate for the articulation and transfer of courses at Saint Mary's College. In this role the director is responsible for developing, updating and maintaining articulation agreements between the College and community colleges and appropriate independent junior colleges. The director is an important liaison with community colleges. The director provides advanced standing evaluations for new enrolling transfer students as well as preliminary advanced standing evaluations for transfer students applying to or accepted at the College. The director is also responsible for evaluating students' petitions for readmission to the College. In addition, the director ensures that the needs and concerns of transfer students are adequately addressed in the orientation program, residence life policies and procedures, academic requirements, registration procedures and financial aid.



### ADMISSION

#### FROM SECONDARY SCHOOL

Saint Mary's College welcomes applications from students qualified by scholastic achievement and personal character to pursue successfully the program of studies leading to the bachelor's degree. In evaluating a candidate for admission, the dean of admissions, together with the Committee on Admissions, reviews the following credentials: the completed application; secondary school record; recommendations from principals, counselors or teachers; scores on the SAT I of the College Board or the ACT of the American College Testing Program; and a required essay. Each candidate for admission receives individual consideration. The chief qualities sought in a candidate are intellectual preparation, seriousness of purpose and moral integrity. The secondary school record is considered the most reliable measure of potential college ability. However, extra-curricular accomplishments may strengthen an application insofar as they indicate special talents, perseverance and maturity.

#### HIGH SCHOOL PREPARATION

Each candidate is expected to complete at least 16 units of secondary school course work, to include four years of English, three years of mathematics (algebra, advanced algebra or the equivalent, and geometry), two years of the same foreign language, two years of science (at least one laboratory), one year of U.S. history, and one additional year of social studies or history. Students who plan to major in a science or mathematics are expected to show particular strength in their scientific and mathematical preparation.

Applications for admission are reviewed on an individual basis, and minor deficiencies in preparation may be waived if justified by superior marks, test scores and recommendations.

#### APPLICATION DEADLINES

To receive full consideration for admission, applicants should submit their application materials as early as possible, but postmarked no later than:

1. February 1 if applying for admission to the fall term as a first-time freshman. Early Action applicants must apply by November 15 to be considered for freshman admission for the subsequent fall.
2. July 1 if applying for admission to the fall term as a transfer student.
3. December 1 of the previous calendar year if applying for admission to the spring semester.

#### SAT I AND ACT

All candidates for admission are required to take either the SAT I administered by the College Board or the ACT administered by the American College Testing Program. The writing portion of the ACT is optional. Information concerning SAT I test dates and applications for the tests may be obtained from secondary school counselors or directly from the Educational Testing Service, 1000 Broadway, Suite 310, Oakland, CA 94607 (for residents of Eastern states, the address is P.O. Box 6200, Princeton, NJ 08541). The number 4675 should be used in requesting SAT scores be sent to Saint Mary's College. Information concerning ACT test dates may be obtained from secondary school counselors or directly from the American College Testing Program, P.O. Box 168, Iowa City, IA 52243-0168. The number 0386 should be used in requesting ACT scores to be sent to Saint Mary's College.

#### APPLICATION PROCEDURES

Saint Mary's College undergraduate applicants apply using the Common Application. It is available at [commonapp.org/CommonApp/default.aspx](http://commonapp.org/CommonApp/default.aspx) or via the Saint Mary's Admission website at [smcadmit.com](http://smcadmit.com). Application procedures are also available via these sites.

Applicants are required to complete a Saint Mary's College supplemental application. Additionally, a recommendation is required from the secondary school principal, counselor or teacher in a college preparatory subject. Recommendation forms are to be completed by the appropriate official and forwarded directly to the College with the official transcript of record. A non-refundable application processing fee of \$55 must accompany the application form.

#### HIGH POTENTIAL PROGRAM

Saint Mary's College has a fundamental mission to provide access to education for deserving students from groups that historically have not had these opportunities. The High Potential Program is designed to support the needs of first-generation, low-income students as they transition as students at Saint Mary's College.

Approximately 50 first-year students are welcomed into the High Potential Program each fall, and the greatest consideration is given to individuals who are highly motivated to obtain a baccalaureate degree and who present evidence of leadership in their schools, communities, churches or through other activities. Applicants are required to submit an additional High Potential Program application and are selected based on this supplementary information, recommendations and an extensive self-inventory. High Potential Program students are invited to participate in an intensive two-week summer residential program and in fall and spring semester First Year Academic Cohort courses. These courses provide students with a broad range of other academic and personal support programs designed to build a solid foundation for high achievement. Through collaborative programming with select faculty, the Academic Advising Center, tutorial support and other resources of the College, the HP program provides students with structured academic

## Enrollment and Admission

guidance, personal support and student development activities that provide a solid foundation for academic and life achievement. Students wishing to apply through the High Potential Program should contact the Office of Admissions or call the High Potential Office at (925) 631-4165. For more information on the program, see High Potential Program under Academic Advising & Achievement.

### INTERNATIONAL STUDENTS

Saint Mary's welcomes qualified international students to campus. Since national educational systems differ from country to country, each applicant is evaluated individually. We take into consideration the specific academic assessments of each student's home country, and determine an American equivalency. Secondary school records or mark sheets, results on national external examinations, letters of recommendation and potential for success in American higher education are factors considered for admission.

To apply to the College, international students must submit the following: a completed Common Application with International Student supplements and a US\$55 application fee; original secondary school records and a certified translation if the original is issued in a language other than English; proof of academically successful secondary school graduation; certified copies of national or other examination results; a letter of recommendation from a teacher, counselor, principal or school director; and official TOEFL, IELTS or Pearson Test of English results. The SAT I exam is not required for admission of international applicants but will enhance an application. It can be submitted in lieu of other English language proficiency test results and may be used for placement purposes if submitted. The College will require a Certificate of Finances when a student is admitted; the College must receive this document before SEVIS documents can be issued.

The TOEFL (Test of English as a Foreign Language) is required of all students whose first language is not English. Saint Mary's College of California code for ETS is 4675. Students may submit IELTS (International English Language Testing System) or Pearson Test of English results in place of the TOEFL. The minimum TOEFL result must be 79-iBt or 550 paper based; the minimum IELTS result must be a 6 band; the minimum 53 must be earned on the Pearson Test of English.

The English Proficiency requirement may be waived if the student completes any of the following: four consecutive years of non-English study at a high school in the United States (in which case ACT or SAT scores would be required); completion of high school or equivalent in a country where the official language is English; SAT 1 Critical Reading exam result of 450; OR an ACT English exam result of 21. English language proficiency can also be demonstrated through successful performance on University of Cambridge GCSE O or A level examinations in English.

Students who meet admission requirements may be accepted as full-time undergraduate students. Transfer students whose first language is not English must meet the English composition requirement (see Written English Requirement p. 54 and 60). Saint Mary's does not offer English as a Second Language courses.

International students are expected to finance their educational expenses. While part-time employment may be available on campus, any such earnings would not be sufficient for payment of educational costs. Qualified students who adhere to application deadlines are eligible to be considered for partial Saint Mary's College first time freshman or transfer academic scholarships, which are determined at the time of acceptance.

Saint Mary's College of California is authorized under federal law to enroll non-immigrant students.

### HONORS PROGRAM

The Honors Program is a selective program that provides a dynamic, rigorous learning experience within and beyond the classroom for first-year students of noteworthy achievement and motivation. The Honors Program provides challenging academic course work and engaging extracurricular learning opportunities that encourage students to pursue education for social justice and the common good. Students in the Honors Program view their goals and achievements through the broad lens of personal and social responsibility. The hallmark of Honors Program students is their commitment to serve and contribute to the larger community. They recognize and act on their personal responsibility and obligation to the educational community, the local community, and to our shared national and global community. For information about the Honors Program, contact the Office of Admissions or the Honors Program at (925) 631-4903.

### TRANSFER STUDENTS

Students entering Saint Mary's College from other colleges or universities must meet the standards set forth previously concerning admission from secondary school. They must also present records of college performance of a minimum cumulative GPA of 2.3 in academic transferable courses. Transfer students who would not qualify for admission to Saint Mary's College directly from secondary school will normally be required to present records of at least one year's work at other colleges with a minimum cumulative GPA of 2.3 in 23 or more academic semester units or 34.5 academic quarter units transferable to the University of California system from California community colleges or another accredited college or university. The units should be completed with letter grades rather than Pass, Satisfactory, or Credit. Transfer students should complete any high school course deficiencies prior to transfer.

The Admissions Committee requires that students complete two years of high school algebra (Algebra I and Algebra II) and one year of high school geometry or their equivalent with a grade of C- or better prior to enrolling at Saint Mary's College.

All transferable grades from other colleges are considered in determining eligibility for admission. When courses are repeated, only the highest grade will be computed into the grade point average in determining the minimum admission standard of 2.3. Saint Mary's does not accept as transferable for credit any courses in remedial subjects, vocational fields, non-academic areas such as typing, and secondary school mathematics.

If students transfer from schools that do not compute grades below a C into the overall grade point average, their application will be evaluated on the basis of the number of courses they complete in making normal progress toward graduation.

Upon transfer, only courses with grades of C– and above are acceptable for advanced standing toward graduation. The maximum number of lower-division course credits which are transferable from any college is 19. This is approximately equivalent to 95 quarter units or 64 semester units. (Saint Mary's "course" equivalence: 3.5 semester units or 5 quarter units = 1.00 course credit.) Students must take the majority of their major courses at Saint Mary's College.

### ADVANCED PLACEMENT

The College grants up to a full year of college credit through the College Level Examination Program administered by the College Entrance Examination Board. Credit is given only for the subject examinations, which correspond to particular college courses, not for the general examinations, and the subject examinations must be passed at the median level or higher.

In addition, college credit, advanced placement, and reduction of prerequisites may be granted to entering freshmen who, in the judgment of the appropriate department, have demonstrated advanced scholastic attainment. The principal criteria used are the Advanced Placement examinations of the College Entrance Examination Board, International Baccalaureate examination results, school records and personal interviews. The advantages of advanced placement are admission to courses ordinarily not open to freshmen, and greater freedom to pursue independent study or research in the senior year. Each academic department determines minimum score requirements and amount of college credit (also, see Credit by Examination under Academic Requirements).

The College also grants advanced credit to students with successful performance on University of Cambridge GSCE A-level examinations.



## ***Tuition and Fees***

Saint Mary's College is an independent institution and receives no operating support from public funds. The College charges each student a tuition fee that covers approximately three-fourths of the cost of general educational services provided. The balance of these costs is met by income from endowment support of the Brothers of the Christian Schools, and gifts from trustees, parents, alumni, other friends, corporations and foundations interested in the type of education this institution provides.

### **GRADUATE PROGRAMS**

See separate bulletins.

### **PAYMENT**

All students assume financial responsibility for any charges and/or fees posted to their account. All students further assume the responsibility for understanding Saint Mary's official policies concerning payment deadlines, financial policies, registration deadlines and satisfactory academic progress. Finally, students are responsible for updating their current address information as changes occur.

Tuition and room and board charges are due in two installments. The charges are due approximately one month prior to the first day of the term, with fall payments generally due the first week in August and spring payments generally due the first week in January. Lab fees, extra course charges and other miscellaneous fees are billed as incurred during the academic year. All such charges are due and payable upon notice from the Business Office. Students failing to make payment will have their account placed on hold, will be denied registration, will be unable to attend class or use campus facilities, and will be assessed late fees. Participation in commencement exercises will not be allowed, nor will a diploma, transcript of credit or honorable dismissal be issued until all College bills have been paid in full. Transcripts will not be issued to former students with past due balances, including past due balances on Federal Perkins loans or other loans. Saint Mary's College further reserves the right to refer student accounts to collection and credit bureau reporting and to recover all costs involved with collection due to non-payment of the outstanding balance.



Saint Mary's College does NOT accept credit card payments for tuition and fees. Payments may be made by mailing a check (payable to Saint Mary's College) to PO Box 4600, Moraga, CA 94575-4600, by electronic check via our website, by cash at our office window or by wire transfer. In order to ensure proper posting, please notify the Business Office at [business@stmarys-ca.edu](mailto:business@stmarys-ca.edu) if payment will be made by wire or ACH transfer. For more information, please visit [stmarys-ca.edu/tuition](http://stmarys-ca.edu/tuition).

### MONTHLY PAYMENT PLAN

Undergraduate students may choose to pay for their tuition and fees monthly. Information on our monthly prepayment plan is available at [stmarys-ca.afford.com](http://stmarys-ca.afford.com). This is an interest-free monthly payment option offered by our partner, Tuition Management Systems. The payment option is available for a small enrollment fee and includes personal account service, automated account information, and access to your account through their website, [afford.com/stmarys-ca](http://afford.com/stmarys-ca).

### BILLING

The official billing method of Saint Mary's College of California is electronic billing, known as ebill. With ebill, an email notification is sent to the student's Saint Mary's email account each time a new bill is available. Students access their ebill by logging into their GaelXpress account. Students are encouraged to set up authorized payers by creating profiles for their parents, grandparents or anyone that may require access to view the bill and/or make online payments. Setting up an authorized payer is highly recommended.

Opening bills for fall are posted in July with a due date of early August. Opening bills for spring are posted in December, with a due date of early January. Monthly ebills are sent for any unpaid balance. All bills are sent electronically. It is the students' responsibility to read and manage their Saint Mary's email account in order to ensure timely notification of the ebill. Students may forward their Saint Mary's email account to a personal email account.

## WITHDRAWAL AND REFUND POLICY

### TUITION

Credit is given each term to undergraduate students only after receipt of the written application of the withdrawing student, according to the following schedule: 85% tuition refund to the end of the first week of class; 80% tuition refund to the end of the second week of class; 75% tuition refund to the end of the third and fourth week of class. No refunds will be made for withdrawal after the fourth week of the term. The above schedule is based on the date the official notice of withdrawal is given to the Registrar's Office.

### ROOM AND BOARD

Students who live in Saint Mary's College housing assume contractual responsibility for occupancy for the entire academic year (fall through spring). Students who

live in College residence halls are required to contract for meals. Students living in College townhouses may voluntarily elect to purchase one of the various meal options provided. For more information refer to the Residence Hall and Dining Hall License or contact the Campus Housing office.

### OVERPAYMENTS OR FINANCIAL AID PROCEEDS

Refunds will only be issued on credit balances after all allowable charges have been covered and any payment plan is paid in full. Refunds of overpayment may be requested in person or in writing to the Business Office. Refunds from federal loan proceeds (if any) will be issued within 14 days of disbursement. If the disbursement creates a credit, the refund will be issued to the borrower of the loan. Once the academic term begins, refunds will be available every Tuesday and Thursday afternoon for all valid requests received within the previous 48 hours. Refunds will not be processed prior to the beginning of the term or for any pending aid not yet disbursed. Students have the option to pick up their refund, have it mailed to the address on file, or directly deposited to their checking or savings account. Valid bank numbers must be entered through GaelXpress "my Bank Acct/eReimbursement" for the direct deposit option to take effect. Refunds will not be mailed to campus housing. During the first two weeks of each semester, refunds are held for pick-up in the Business Office unless the student has selected to be refunded by eReimbursement. Any check not picked up within the first two weeks of each semester will automatically be mailed to the permanent address on file. If the student is no longer eligible to receive financial aid or student loans, his/her account will be adjusted accordingly. Any refund received from these funds must be repaid to Saint Mary's College immediately.

## STUDENT INSURANCE

To ensure that all students have health insurance coverage, including basic sickness and accident insurance, the College has instituted a mandatory health insurance requirement. All full-time undergraduate students are required to have health insurance coverage. Students are automatically enrolled in and billed for the College's provided plan. A credit is applied to the account once proof of coverage is documented. The waiver to provide proof of coverage is found online. The waiver must be completed prior to the start of each academic year to receive the credit. Students who are non-U.S. citizens or whose primary residence is abroad are required to purchase the school health insurance. No waiver is available to these students.

All full-time undergraduate students are covered by a secondary accident insurance policy that provides protection during regulatory attendance on the campus, and while attending college-sponsored activities. The policy covers only accidents and should not be considered to be a replacement for a comprehensive health insurance plan. Any loss or injury sustained resulting from the use of alcohol and/or drugs is not covered.

## Tuition and Fees

### PART-TIME ENROLLMENT

Saint Mary's College is a full-time school with a 4-1-4 recommended course load for undergraduates. Students wishing to become classified as "part-time" are considered exceptions and will be required to file a petition. Saint Mary's charges part-time students course by course for each term (Fall, January, and Spring terms) and considers a students to be part-time only if their enrollment is less than 7.0 courses, per academic year. Students who have attempted course credits of 7.0 to 9.0 courses per academic year will be considered full-time and will not be permitted to change to part-time status. Students will be classified as full-time or part-time for the FULL academic year, (fall through spring), not term by term. For students not completing the full academic year with enrollment of one term only, part-time status is permitted for less than 3.0 courses in the term. Students wishing to be classified as part-time must complete the Part-Time Enrollment petition for each year enrollment is less than 7.0 courses. The petition must be submitted and approved by the second week of the semester. Part-time students are not permitted to live on campus, participate in the monthly payment plan, or enroll in the College sponsored insurance plan. Students who drop to part-time status after the deadline to waive the medical insurance has passed are liable for the full medical insurance charge. Eligibility for financial aid will also be affected for part-time students and graduation dates are subject to change because of the reduced course load. Any student petitioning for Part-Time status must receive final approval from the Dean of Academic Advising and Achievement.

*Please note:* All College policies are subject to change without notice. Visit [stmarys-ca.edu/tuition](http://stmarys-ca.edu/tuition) for more information regarding billing and payment.

### TUITION

#### STUDENTS

<b>Full-time</b> (7.00 to 9.00 full credit courses per year)	\$ 39,740
<b>Part-time</b> (less than 7.00 courses per year, per course).....	\$ 4,972
Additional courses (more than 9.00 full credit courses per year, with advisor approval).....	\$ 4,420
<b>Open Enrollment</b> (per course).....	\$ 2,972
(No more than 4 courses per year—2 per term only)	

#### ROOM AND BOARD

Room—Double.....	\$ 7,450
Room—Single.....	\$ 8,280
Room—Triple.....	\$ 6,120
Room—Townhouse (includes \$50 flex for year).....	\$ 8,530
Room—Townhouse Triple (includes \$50 flex for year).....	\$ 7,670
Carte Blanche (includes \$75 flex) per year.....	\$ 6,210
14 meals per week (includes \$75 flex) per year.....	\$ 6,050
10 meals per week (includes \$150 flex) per year.....	\$ 5,900
8 meals per week (includes \$150 flex) per year.....	\$ 5,570
5 meals per week (includes \$100 flex) per year.....	\$ 4,020
(Available only to Townhouse residence or commuting students)	

#### MISCELLANEOUS FEES

Application fee (this fee is required with all applications for admission and non-refundable)-\$	55
Registration fee (Required of all new undergraduate students at time of initial registration; payable once, non-refundable).....	\$ 30
Tuition commitment deposit (Required of all new students. Applied to tuition, non-refundable).....	\$ 300
Room reservation deposit (Required of all resident students. Applied to room and board; non-refundable).....	\$ 350
Orientation fee (Required of all new undergraduate students)-\$	250
Late payment fee (monthly service charge) .....	\$ 25
Student activity fee (required of all full-time students).....	\$ 150
Medical insurance fee (required, see above).....	TBA
Commencement activities fee .....	\$ 115
Late registration fee .....	\$ 175
Transcript of record.....	\$ 5
Laboratory fees.....	TBA
(see description of courses in course catalog)	

The additional course credit is proportionately applied to course credits in excess of 4.00 in each term. Open enrollment students may take no more than four courses per year, no more than two courses per term. These courses are offered on a space available basis only.

.25 courses: Students may take quarter-course credit (.25) classes with no additional fee. See Student Classification (p. 42).

The schedule of fees is effective July 1, 2013 and subject to change without notice.



## ***Financial Aid***

### **FINANCIAL AID PROGRAM**

Saint Mary's College, through its Financial Aid Office, is committed to helping students and families obtain the needed assistance, both monetary and advisory, to make attendance possible.

The basic philosophy governing financial aid is that students and their parents will first contribute as much as is reasonable toward the cost of attending Saint Mary's College. The amount expected will be the same as the amounts expected from other students and families having the same financial circumstances. Eligibility for financial aid will be the difference between what it costs to attend and what the student can reasonably be expected to pay. The Financial Aid Office uses the Free Application for Federal Student Aid (FAFSA) to collect information used to determine the student's eligibility for federal and institutional funds.

Students are eligible for Saint Mary's aid for a maximum of four years only. It is important that students plan their academic schedules accordingly to ensure graduation within four years to maximize their financial aid. In

addition to demonstrating financial need, applicants for aid must:

1. Be citizens or permanent residents of the United States
2. Be enrolled or accepted for enrollment at Saint Mary's College on at least a half-time basis but for Saint Mary's institutional aid students must be full-time;
3. Be making satisfactory academic progress toward a degree or certificate (maintaining a grade point average no lower than 2.0, or C average).

Students who are placed on financial aid probation for a second consecutive term may be ineligible for financial aid until the probationary status is removed or an appeal is granted. Probationary status includes special academic probation (see Academic Standing).

Full-time students in four-year degree programs who fail to complete a course of 4 credits in Fall and Spring, respectively, and 1 credit in January Term, and part-time students who fail to complete at least five courses at the end of each academic year will be ineligible for financial aid until the minimum number of courses (7.25 credits) is completed. At the end of each term, a review will be made to ensure compliance with the requirements of

## Financial Aid

satisfactory academic progress. The course completion requirements will be reviewed at the end of each academic year.

Students can appeal to the Director of Financial Aid if they have extenuating circumstances that might affect the decision of the Financial Aid Office after the initial review.

### APPLYING FOR AID

#### NEW STUDENTS

1. Complete an application for admission to Saint Mary's College and arrange to have SAT I scores and high school/college transcripts sent to the Office of Admissions before February 1.
2. Complete the Free Application for Federal Student Aid (FAFSA) by February 15. Follow the instructions at [fafsa.gov](http://fafsa.gov) to file the form and be sure to enter "Saint Mary's College, Moraga, CA (Federal School Code 001302)" as the recipient of the form.
3. California residents should complete the GPA Verification Form by March 2 to apply for the state grant programs. Forms are available in high school and college counseling centers, online at [calgrants.org](http://calgrants.org), or from the Financial Aid Office.

#### STUDENTS CONTINUING AT SAINT MARY'S COLLEGE

Students wishing to renew their aid for a subsequent year should file the FAFSA by March 2. Only new applicants for Cal Grants need to file the GPA Verification Form (see item 3 above).

### SELECTION CRITERIA

Saint Mary's College uses a priority deadline of February 15 for new students and March 2 for currently enrolled students for all financial aid programs administered by the College. All students who are enrolled or accepted for enrollment by their respective priority deadlines and who have filed the required financial aid documents by that date receive equal consideration for Saint Mary's College scholarships, in relation to their financial need. Federal funds under the control of the College are limited, and generally are awarded only to students with considerable need. Students completing the application process after March 2 will be considered for institutional and limited federal financial aid only if funds are available. Financial aid notification letters for those who have met the priority deadline are mailed to new students in March and notification of financial aid awards available on GaelXpress are emailed to continuing students in June.

### PACKAGING FOR FINANCIAL AID

It is often not possible to meet all of a student's need with scholarship or grant aid. In such cases, student loans or student employment may be included as a part of the financial aid package. If for any reason the student wishes to decline the loan portion of the aid package, he or she may do so without affecting scholarship or grant awards.

It should be noted, however, that refusal of a loan or campus job will not result in a larger scholarship award. If the student is eligible, the Cal Grant A or B and the federal Pell Grant will be included in the total award package. California residents are required to apply for a Cal Grant A and/or Cal Grant B from the California Student Aid Commission. If the Commission deadline (March 2) is missed, the student may still be considered for assistance from Saint Mary's College, although the College will be unable to offer scholarships to replace Cal Grants that would have been received had an application been made on time.

### FINANCIAL AID FROM SAINT MARY'S COLLEGE

#### SAINT MARY'S COLLEGE SCHOLARSHIPS

Tuition scholarships are awarded by Saint Mary's College to full-time undergraduates who demonstrate academic ability and financial need. The amount of each tuition scholarship varies according to the financial need of the recipient and his/her family. (For further information see Saint Mary's College Scholarship Policy Statement, available in the Financial Aid Office.) Priority deadline: March 2.

#### FEDERAL SUPPLEMENTAL EDUCATION OPPORTUNITY GRANT (SEOG)

SEOG awards of \$500–\$1,000 per year are federally funded grants administered by the College and available to undergraduate students with exceptional financial need. Normally, students must be enrolled full-time. Availability of these awards is based on federal funding. Priority deadline: March 2.

#### SAINT MARY'S COLLEGE TUITION ALLOWANCE

Families enrolling four or more children at Saint Mary's College are granted a 50% tuition discount for each child after the third. No financial statement is required. Completion of the Free Application for Federal Student Aid (FAFSA) is recommended if additional financial assistance is required. To apply, contact the Financial Aid Office.

#### SAINT MARY'S COLLEGE ATHLETIC GRANT

Full and partial grants-in-aid are offered to a limited number of men and women athletes in several sports. For further information concerning these awards, contact: Athletic Director, Saint Mary's College, Moraga, CA 94575.



**FEDERAL PERKINS LOAN**

This is a federal loan program administered by the College. Perkins Loan recipients must be pursuing at least full-time course of study and must be able to demonstrate financial need. Availability is based on federal funding. Priority deadline: March 2.

**STUDENT EMPLOYMENT**

Saint Mary's College offers a wide variety of part-time, on-campus jobs in most College offices and departments. These student jobs are provided through two separate programs, the Federal College Work-Study program and the Saint Mary's College student employment program. Availability is based on federal funding.

Students who qualify for need-based financial aid may be awarded Federal College Work-Study as part of the annual award. The award letter will list the funds reserved to pay the student during the academic year. Listings of work-study positions are available in the Career Development Center, Brother Urban Gregory Hall. Job listings are also available on the College's intranet site: SMCnet. Students may view current listings at [smcnet.stmarys-ca.edu/studentjobs](http://smcnet.stmarys-ca.edu/studentjobs).

The Career Development Center also posts notices of general student employment opportunities both on- and off-campus. These jobs are open to any undergraduate or graduate student enrolled at least part-time at the College. In addition to the distribution of student job applications to employing departments, the Career Development Center offers career counseling, résumé writing and interview workshops, internships and job placement services.

The bookstore, Sodexo Food Services and the janitorial services are independent of the College and do their own hiring.

The Human Resources Office, Filippi Hall, is responsible for all wage and salary determination. All students who are hired for any on-campus job must complete the necessary tax and I-9 documentation before employment can begin.

**FINANCIAL AID FROM STATE AND FEDERAL AGENCIES****CAL GRANT A**

**\$700–\$9,084 per year.** Awarded by the California Student Aid Commission, the Cal Grant A is based on academic achievement (as measured by high school or college grades) and financial need. Eligibility is limited to California residents for a maximum of four undergraduate years. Applicants must file the Free Application for Federal Student Aid (FAFSA) and the GPA Verification Form (available from high school counseling offices or college offices of financial aid). Deadline: March 2.

**CAL GRANT B**

**\$1,473–\$10,557 per year.** The Cal Grant B is awarded by the California Student Aid Commission primarily to students from low-income backgrounds. Eligibility is limited to California residents for a maximum of four undergraduate years. Applicants must file the Free Application for Federal Student Aid (FAFSA) and the GPA Verification Form. Deadline: March 2.

**FEDERAL PELL GRANT**

**\$600–\$5,645 per year.** The Pell Grant is a federal grant program which offers assistance to low- and middle-income undergraduate students who are U.S. citizens or permanent residents and who demonstrate financial need. (Need is defined according to a federal eligibility formula.) Application for the Pell Grant may be made by means of the Free Application for Federal Student Aid (FAFSA). Forms are available online at [fafsa.gov](http://fafsa.gov).

**FEDERAL SUBSIDIZED DIRECT LOANS**

Federal Direct loans are loans of \$3,500–\$5,500 (depending on the student's grade level) for students' educational costs. Students who demonstrate financial need up to the requested loan amount will have the interest on the loan paid (subsidized) during their enrollment on at least a half-time basis. The interest rate is 3.4 percent beginning July 1, 2012.

**FEDERAL UNSUBSIDIZED DIRECT LOANS**

Unsubsidized federal Direct Loans are available for students who do not qualify, in whole or in part, for the need-based subsidized federal Direct Loan. Borrowers may receive both subsidized and unsubsidized federal loans totaling up to the applicable loan limit, if they do not qualify for the full amount permitted under the subsidized Direct Loan program. The terms for the unsubsidized loan are the same as the terms for the subsidized loans, except that the interest is accruing for the life of the loan. The interest rate on an unsubsidized Direct Loan is fixed at 6.8 percent.

Undergraduate dependent students may borrow an unsubsidized loan of \$2,000. For independent students and for students whose parents are unable to secure loans through the federal Parent PLUS program, the unsubsidized loan maximum is \$6,000 per year for first- and second-year students, and \$7,000 per year for all other students.

## Financial Aid

### FEDERAL PLUS LOANS

PLUS loans are made to parents of undergraduate students by the federal government. The maximum loan cannot exceed the cost of education less any financial aid received by the student. The interest rate on the PLUS Loan is fixed at 7.9 percent.

### ALTERNATIVE PAYMENT PLANS

#### GIFTS AND LOANS TO CHILDREN

Parents are advised to take advantage of a number of federal tax benefits, including credits, deductions and savings incentives, to offset college costs.

#### TEN-MONTH PAYMENT PLAN

This plan offers parents a low-cost method of paying tuition and room/board charges over a 10-month period, June through March. For further information concerning this plan, contact the Business Office at Saint Mary's College, or go online to [smcnet.stmarys-ca.edu/payment](http://smcnet.stmarys-ca.edu/payment).

### COLLEGE REFUND POLICY

Students who withdraw during an academic term will have tuition charges adjusted according to the schedule shown on p. 23.

The College is required to follow the refund regulations published by the U.S. Department of Education for students who receive Title IV financial aid funds (federal Perkins Loans, federal SEOG, federal Pell Grant, federal College Work-Study, federal Subsidized and Unsubsidized Loan funds, and Cal Grant funds). Student recipients of any of these funds who withdraw from all of their classes within the first 60 percent of an enrollment period will have their financial aid adjusted. The amount of federal aid that will be returned will be determined by the number of calendar days not completed in an enrollment period divided by the total number of calendar days in that period. If that percentage is less than 40 percent, no adjustment is required.

Should regulations governing refund policies for federal student aid recipients change, Saint Mary's College will implement those changes. Current refund policy information may be requested from the Financial Aid Office.

### DISBURSEMENT OF AWARDS

Financial aid awards normally cover a full academic year. Funds are disbursed in two equal installments at the time of registration for the fall and spring terms.

### GIFTS AND ENDOWMENTS

Saint Mary's College is a private institution and receives no direct support from taxes or other public funds, or direct financial assistance from the Diocese of Oakland. Annual operating expenses of the College are met principally, but not fully, by tuition and fees. The difference between that income and the actual cost of instruction and other services is underwritten by the contributed services of the Christian Brothers, by annual fund donations from alumni, parents and friends, and by income from an endowment principal of approximately \$130 million. Through these contributions, all students, including those paying full tuition, are aided in financing their College education.

Those individuals who wish to support the College may do so by making annual contributions for unrestricted support, scholarships or athletic grants-in-aid. Those interested in gift opportunities related to new buildings, endowed professorships, endowed scholarships or program endowments should contact the Saint Mary's College Development Office. Gifts may be made to the College through the Development Office, Saint Mary's College, P.O. Box 4300, Moraga, CA 94575-4300. For information, call (925) 631-4328.

### VETERANS BENEFITS

Education Benefit Program applications for members of the armed services are available in the Registrar's office on campus. Letters seeking advice or information concerning the College should be addressed to: Veterans, P.O. Box 4748, Saint Mary's College, Moraga, CA 94575-4748.

Saint Mary's College of California is approved for the training of veterans and their eligible dependents under the various public laws that come under the direction of the Department of Veterans Affairs.

Details and procedures are available from the Department of Veterans Affairs, Regional Office, P.O. Box 8888, Muskogee, OK 74402-8888 or 1(800) 827-1000 or (888) 442-4551, or visit [gibill.va.gov](http://gibill.va.gov).

### CALIFORNIA STATE BENEFITS FOR VETERANS AND ELIGIBLE DEPENDENTS

Applications and information may be obtained from the following office: California Department of Veterans Affairs, Division of Veterans Services, 1227 O Street, Suite 105, Sacramento, CA 95814-5840 or visit [cdva.ca.gov](http://cdva.ca.gov).



## *Academic Officers and Services*

### **ACADEMIC OFFICERS**

#### **PROVOST OF THE COLLEGE**

The provost provides strategic and operational leadership, vision and direction for the design and implementation of the College's academic programs, student and residential services and programs, and enrollment services. The provost initiates plans and direction for the establishment and maintenance of a physical environment conducive to teaching, learning and living as well as providing academic and administrative leadership to the College's students, faculty and staff. The provost works collaboratively with the entire College community, including the Board of Trustees, the president, the faculty and the staff to advance the mission of the College.

#### **VICE PROVOST OF UNDERGRADUATE ACADEMICS**

The vice provost for undergraduate academics manages and directs the activities of the deans of the undergraduate schools of the College, while providing strategic and operational leadership, vision and direction for the design and implementation of the College's traditional undergraduate programs. The vice provost coordinates program planning with student services, advising services and career development, academic development, the dean

for library and academic resources, the Core Curriculum Committee, the January Term program, the Collegiate Seminar program, the Center for International Programs, the Honors Program, and the Catholic Institute for Lasalian Social Action. The vice provost reports to the provost of the College, serves on the provost's Academic Affairs Leadership Team, and the Budget and Planning Committee, and works collaboratively with other senior leaders of the College.

#### **DEANS OF THE SCHOOLS**

The deans of the schools, in collaboration with the provost and vice provost, are responsible for the academic affairs of the schools, including the recommendation to the provost and vice provost of appointment, promotion, and retention of their school faculty and administrative staff; matters relating to orientation and evaluation of faculty and staff; curriculum planning, academic policies and programs; and all other aspects of the academic enterprise in their respective schools.

## Academic Officers and Services

### ACADEMIC OFFICERS AND SERVICES

#### DIRECTOR OF FACULTY DEVELOPMENT

The director is responsible for administering the Office of Faculty Development that provides faculty support services, as advised by the Committee on Teaching and Scholarship. Programs include new faculty orientations, chair development, sabbatical and research presentations, rank and tenure workshops, book discussions and mentoring for effective teaching, learning and service. An annual Woodrow Wilson Fellow enriches campus life through class visits and public forums. Professional and scholarly development and collaborative faculty/student research funds and technology grants are distributed through FD Office by the Faculty Development Fund Committee and the Faculty Technology Group.

#### DEAN FOR LIBRARY AND ACADEMIC RESOURCES

The dean for library and academic resources is responsible for the development, programming and administration of the information and learning resources of the Saint Albert Hall Library and the Hearst Art Gallery. The dean is responsible for the quality and evaluation of services, collections, facilities and staff, allocation of these resources across academic disciplines and programs at all levels, and implementation of policy and procedure. The dean determines an appropriate balance among print, media and digital academic resources to support the educational programs of the College through broad-based collaboration with faculty and administrative staff.

#### DEAN OF ACADEMIC ADVISING AND ACHIEVEMENT

The dean of academic advising and achievement is responsible for developing and implementing programs, policies and procedures related to the academic development, persistence and success of undergraduate students. The dean has administrative responsibility for the Academic Advising Center, the High Potential Program, the Tutorial and Academic Skills Center, the Career Development Center, Student Disability Services, and faculty academic advising coordination. The dean of academic advising and achievement is also responsible for oversight of academic probation, academic disqualification, and evaluating student requests for medical withdrawals.

### ACADEMIC ADVISING AND ACHIEVEMENT

Academic Advising and Achievement is committed to providing undergraduates with the guidance necessary to help them find the correct balance of support, challenge, structure and independence needed to realize their full potential. The various programs and services of Academic Advising and Achievement provide support for students as they plan their course of study toward the achievement of their educational, career and life goals. Through a coordinated blending of various academic support services and resources, Academic Advising and Achievement provides students with opportunities to effectively integrate their academic and personal development with an exploration and examination of academic and career opportunities. By integrating academic and life skills development throughout the process, Academic Advising and Achievement empowers students to become more independent in developing and achieving their goals. The overall mission is to assist students to realize their maximum academic potential, assist students in developing realistic and meaningful academic and career goals, and assist students in developing strategies to achieve their goals.

#### ACADEMIC ADVISING

First-year students are assigned a full-time faculty advisor from a discipline or field closely related to the academic interest expressed by the student. The first-year faculty advisor strives to communicate the ideals of a liberal arts education, and balance that with helping each student navigate the complexity of issues and options encountered as they transition into the college environment. When students declare a major (usually by the end of their first year) they are assigned a faculty advisor from the respective academic department or program. In some instances they may continue with the same advisor if appropriate. Specialized advisors are provided for allied health science, pre-med and pre-law.

#### ACADEMIC ADVISING CENTER

The Academic Advising Center is committed to providing undergraduates with the support and guidance necessary to succeed academically and work towards achieving their academic goals. The center primarily focuses on helping students who have not decided on an academic major or are experiencing academic difficulty. The academic advising coordinators in the Academic Advising Center recognize, and are sensitive to, the diversity of backgrounds, cultural differences and unique characteristics that each student brings. The advising coordinators strive to connect to students by providing advising and support interventions at important points throughout the academic year to: help students plan academic programs, suggest enrichment opportunities, monitor student progress, identify resources, explain college policies, and help students navigate through College procedures. These services include Major Exploration and Declaration workshops, Academic Success workshops, and one-on-one individual case management advising, among others. The Center staff also work closely with disciplinary centers such as the Chemistry lab, the Mathematics Pedagogy Center and the Writing Center.



Additional advising exists through the coordinators of Black Student Achievement, Asian Pacific American Student Achievement and Latino Student Achievement.

### TUTORIAL AND ACADEMIC SKILLS CENTER

The Tutorial and Academic Skills Center (TASC) offers a variety of support services and programs to students who are seeking to achieve greater academic success regardless of their level of academic performance. The center offers tutorial services for all currently enrolled undergraduate students. Tutoring is available in almost all courses taught at Saint Mary's, in individual and group settings depending on the subject and demand. Tutoring and workshops are also available for students who wish to complement their study efforts through enhanced academic skills development such as time management, note-taking, writing skills, study techniques and reading comprehension.

### CAREER DEVELOPMENT CENTER

The Career Development Center helps all students and alumni explore career options and prepare for the job search process. Through a variety of personal and career assessment activities and tools, used in tandem with individualized counseling, the center provides opportunities for students to explore majors and their relationship to careers and career choice. Students are provided opportunities to learn job search preparation skills such as resume writing, interviewing, business etiquette, professional social networking, and preparation for a variety of internships that may lead to the ideal career. The Career Development Center also assists students interested in non-profit and volunteer opportunities.

Additionally, the Career Development Center helps students prepare for graduate and professional school (i.e., law). These services include identifying and selecting schools, application assistance, identifying and approaching references, essay and personal statement writing, and standardized test preparation.

The Career Development Center also provides on- and off-campus part-time and full-time job listings for undergraduate, graduate students, and alumni as well hosting as an annual Career/Internship/Non-Profit/Grad School Fair and On-Campus Interviewing opportunities. All current job listings are online: [stmarys-ca.edu/GaeLink](http://stmarys-ca.edu/GaeLink).

### STUDENT DISABILITY SERVICES

Individualized assistance for reasonable and appropriate accommodations is provided for students with appropriately documented learning, health, psychological or physical disabilities. Services are available to meet the need of qualified students with disabilities in accordance with section 504 of the Rehabilitation Act of 1973 and Title III of ADA.

### HIGH POTENTIAL PROGRAM

Saint Mary's College has a fundamental mission to provide access to education for deserving students from groups that historically have not had these opportunities. The High Potential Program provides academic, personal and social support to first-generation and low-income students transitioning into Saint Mary's College. (See Admission for eligibility and admission procedures.)

High Potential students receive access to a range of services and individualized support, including:

- **Summer Bridge Program:** an intensive two-week residential experience focused on transitioning to college. The activities and classes focus on both personal and academic development, and provide students with a campus residential experience.
- **Peer Mentor Program:** student mentors offer academic and social support beginning in the Summer Bridge Program and continuing throughout the students' first two years at Saint Mary's.
- **HP First Year Advising Cohort:** High Potential students complete a partial credit course for both fall and spring semesters of their first year. Through this course, students receive academic support and guidance from a faculty advisor and the HP staff. The course assists students with essential academic skills such as time management, study habits, using campus resources effectively, and tracking self-progress.
- **Semi-monthly advising:** in addition to their faculty advisor, HP students meet twice monthly with the professional HP staff in order to receive frequent and focused mentoring on an individual basis, and to help ensure steady progress toward academic and personal goals.

### CATHOLIC INSTITUTE FOR LASALLIAN SOCIAL ACTION (CILSA)

Founded in 1999, CILSA is the academic center at Saint Mary's College for promoting a culture of service and social justice education consonant with Catholic social teaching and integrating the three traditions of the college: Catholic, Lasallian and liberal arts. The goal of CILSA is to support students, faculty, staff, campus units and community partners to work together to promote intellectual inquiry and student leadership and development through action in academic, co-curricular, and community settings to foster personal and social responsibility for the common good. CILSA utilizes the framework and integration of "head, heart, and hands" to guide its work:

**Head** – CILSA programs foster students' intellectual and personal development through academic exploration of issues related to justice that prompt critical thinking in and outside the classroom. For faculty and staff, CILSA provides resources, materials and education in best practices to integrate social justice within the curricular and co-curricular experience.

## Academic Officers and Services

**Heart** – CILSA programs nurture students' critical reflection of their experiences as they relate to meeting academic, intellectual, and other personal goals. The process promotes an understanding premised on knowledge coupled with compassion.

**Hands** – CILSA programs provide an array of service activities through coursework and co-curricular experiences that enable students, faculty, and staff to apply their knowledge and understanding in order to engage critical social issues and promote social justice for the common good.

Over 40% of SMC students engage in service in the local community, at the state and national levels, and internationally. Service opportunities include one-time and ongoing volunteer experiences, year-long programs including the Bonner Leader Program, Jumpstart, Student Leaders in Community Engagement (SLICE) program, and community-based courses devoted to service. Students may also participate in summer fellowship experiences such as the MICAH Summer Fellowship or the Alumni Association Alaskan Summer Fellowship.

### COMMUNITY ENGAGEMENT & COMMON GOOD COURSE DESCRIPTIONS

With the support of CILSA, Saint Mary's Core Curriculum offers learning experiences focused on community engagement and the common good. These courses and activities provide opportunities in which students engage in purposeful actions that address community goals. Through critical reflection, students integrate the action with academic objectives to develop civic responsibility and an understanding of social justice.

Community Engagement can include courses that may incorporate service-learning or community-based research. Some co-curricular activities that do not bear any course credit may also meet the Community Engagement requirement through intentional service activities.

The Common Good component of the Core Curriculum typically includes traditional campus-based courses that focus on and explore a variety of social justice issues.

These experiences and programs contribute to the college's national standing as a recipient of the Carnegie Foundation Community Engagement Classification Award and President's Higher Education Community Service Honor Roll Award.

For more information on social action opportunities, stop by the CILSA first floor Ferroggiaro office, or call (925) 631-4975 to schedule an appointment. CILSA staff will assist you in finding a service opportunity that matches your interests.

## CENTER FOR INTERNATIONAL PROGRAMS

The Center for International Programs (CIP) develops and supports international programs and activities on and off campus to support the Core Curriculum intellectual area—Engaging the World—which asks students to engage with the world in substantive and meaningful ways. Saint Mary's offers study abroad programs throughout the world, which offers students the opportunity to immerse themselves in a new culture and deepen their understanding of the world and their role in it. Furthermore, on campus, the Center promotes global understanding through a variety of workshops, presentations and programs that provide a platform for discussion and exchange of ideas. The Center staff guides inbound and outbound students through the process of discovery and assists students as they explore the option of study abroad and assimilation to American culture.

The Center oversees the immigration advisement of F-1 and J-1 international students and scholars and leads orientations focusing on visa requirements. Orientation occurs throughout a student's four-year program as international students make their transition to a new academic culture. Orientation includes retreats, a Global Fair, country specific presentations and opportunity for interchange and exchange. The International Club, referred to as the iClub, offers domestic and international students an opportunity to be involved in an organization specifically focused on all things global. The iClub is mentored by a CIP staff member. The International House (iHouse) is a living and learning community focused on intercultural communication. Sophomore international and domestic students discover a "common ground" where they can communicate across cultures.

A wide variety of study abroad programs are offered to students during the fall and spring semesters. Current destinations include Australia, China, England, France, Germany, Italy, Mexico, South Africa and Spain. Saint Mary's has also established semester exchange programs with partners in Japan and Spain Through the Lasallian Consortium, Saint Mary's students have additional study abroad opportunities in Argentina, Costa Rica, Poland and Ireland. All students are eligible to receive academic credit for successfully completing courses completed during the term abroad. Through Saint Mary's sponsored study abroad programs, students are able to apply their financial aid and SMC scholarships to cover most of the overseas program costs. For more information: (925) 631-4107 or [studyabroad@stmarys-ca.edu](mailto:studyabroad@stmarys-ca.edu).

The Center is committed to enriching all students' life experiences, whether in the United States or abroad.

### THE LIBRARY

Saint Albert Hall was named for the 13th Century philosopher and theologian, Saint Albert the Great, and houses the Library.

The Library provides students with physical space to study, learn and work together, expert research librarians and Information Technology staff, and a wealth of scholarly resources. Students can get the help and advice of professional librarians by coming to the library reference desk, phoning, or sending an inquiry via email, chat or text. Librarians work closely with faculty to support class research assignments. Both undergraduates and graduate students can make an appointment with a librarian specializing in a subject area to obtain individualized help and tutoring in research skills.

The Library's teaching and learning collections include print and electronic books and journals, a course reserve collection of high-use materials, and a variety of electronic media including films, music, and newspapers. In addition the SMC Library partners with thousands of other libraries to share materials. Through these sharing agreements, students have access to millions of books and articles worldwide. We also have a small "best sellers" collection for recreational reading and an extensive film and video collection. The *Byron Bryant Film Collection* includes award winning and significant feature films released in movie theaters. The *Instructional Video Collection* includes documentaries, theatrical performances (dance, opera, theater), interviews and some television series.

The Library provides computers and printers as well as technical assistance to students and has three group study rooms reserved for student use by reservation on a first-come, first-served basis. All group study rooms are equipped with a television, DVD/VHS player, and a white-board. One study room is also equipped for students to practice and record their own presentations and lectures.

The Library also houses the College Archives and Special Collections Service which includes rare and original materials on California and Western Americana, the Life and Times of Cardinal Newman, and the Library for Lasallian Studies, a collection by and about Saint John Baptist de La Salle, the founder of the Christian Brothers teaching order.

### TECHNOLOGY AND MEDIA SERVICES

#### CHIEF TECHNOLOGY OFFICER

The chief technology officer (CTO) oversees the strategic intent of the College's adoption and use of technology resources while also coordinating and managing the College's Information Technology Services department (ITS), which includes instructional technology services, audio/visual and media services, the IT service desk and tech bar, desktop computing, administrative information services, web and Internet services, infrastructure and operations services, telephone services and digital library support. The CTO is responsible for enterprise technology

planning and budgeting, in accordance with the College's mission and strategic plans. With the guidance of the Technology Planning and Policy Committee, the CTO is responsible for development and implementation of technology policies and procedures, as well as assessment of the effectiveness of technology services.

Saint Mary's College has developed a wide variety of computer-based resources to support the curricular and research activities of faculty and students, campus communication and information dissemination services. The Saint Mary's network is built upon the foundation of a high-speed fiber-optic infrastructure that extends throughout the campus. This network links faculty and staff offices, student computer laboratories, electronically enhanced classrooms, residence halls and the library. The College's networked data and voice communications resources are procured, developed and maintained by ITS and are also available to students, faculty and staff via the Internet when off campus.

### TECHNOLOGY IN TEACHING, LEARNING AND SCHOLARSHIP

ITS is dedicated to the core mission at Saint Mary's in teaching, learning and scholarship. An instructional technology team works closely as consultants with faculty with "IT concierge" responsibility to best support the adoption and use of technology in relation to the College's academic mission. This team also provides focused support for various classroom-based and online academic/instructional applications, providing "tech camps" for faculty each academic year as a means to enhance understanding of the instructional technology resources and services available to faculty.

Media Services is a team within ITS which maintains and supports media equipment to serve faculty, students and the business needs of the College, as well as events and conferences for external groups. This department also provides some support for the development and promotion of instructional media by students, faculty and staff.

The Media Services Center, located on the second floor of the library building, makes multimedia development systems available to the College community and offers training and assistance to faculty and students in the areas of digital video editing, computer image scanning and manipulation transfer of materials from analog to digital format, and media support services for all venues across campus. Media Services staff manages all requests involving scheduling and delivery of media equipment to all venues on the campus. The professional staff plans, supports and maintains instructional media systems installed in classrooms and labs; they also provide training for all members of the campus community in the use of the college's media equipment.

## Academic Officers and Services

ITS has a dedicated client services team responsible for smooth function in classrooms and computer laboratories located in Garaventa Hall, Brousseau Hall, Galileo Hall, Filippi Academic Hall and the Saint Albert Hall library, along with some academic support at remote sites. This team operates an IT service desk that provides service and support for all students, faculty and staff, and meets its mission by observing extended hours of operation. IT service desk support is available by phone or walk-in, and laptop computers are available for students to borrow and use outside of the lab facilities. The ITS department page on the College's official web site offers the array of services and support available to students, faculty and staff, along with contact information, hours of operation for the service desk and a variety of IT self-help options. All needs for ITS service and support begin at the IT service desk.

## SAINT MARY'S COLLEGE MUSEUM OF ART

Saint Mary's College Museum of Art has a reputation for innovative, diverse exhibitions and educational programs. The first gallery, devoted to the exhibition of paintings by William Keith, was established in 1934 by Brother F. Cornelius Braeg, FSC. With the aid of a grant from the Hearst Foundation, the Hearst Art Gallery opened in 1977.

Exhibition and secure, climate controlled collection storage space was expanded by 50 percent in 2011, thanks to the generosity of private donors and the allocation of a portion of one art studio by the Department of Art for the expansion project. The new Museum is made up of the Hearst Gallery, the Brother Cornelius/Walker Foundation Gallery, the Keith Gallery, the Armistead Gallery and the Studio Gallery. Expanded facilities enable larger portions of the College's art collection and multiple exhibitions to be on view at all times that the museum is open.

Highlighting the Museum's permanent collection of more than 3,500 objects are 180 paintings by William Keith, California's finest late 19th Century landscape painter, and the Andy Warhol and Stanley Truman photography collections. The collection also includes contemporary art, prints, religious art and more than 550 ethnographic objects from Africa, Oceania and Asia. Selections from the campus collection are on view in the library and in offices throughout the campus.

Temporary exhibitions include retrospectives of major California artists, contemporary and historic landscapes, photography, sculpture, works on paper, religious imagery, ethnographic, scientific and history displays and work by the College's faculty and students. Museum publications include exhibition catalogs, highlighted by the *The Comprehensive Keith: The Hundred Year History of the Saint Mary's College Collection of Works by William Keith*, published in 2011.

Saint Mary's College Museum of Art is accredited by the American Alliance of Museums. For further information, see [stmarys-ca.edu/museum](http://stmarys-ca.edu/museum).





## ***Student Life***

### **STUDENT LIFE PROVIDES INTEGRATED LEARNING EXPERIENCES, EMPOWERING STUDENTS TO BECOME ENGAGED, GLOBAL AND ETHICAL PERSONS.**

The Vice Provost leads the Student Life area in building, sustaining and enhancing a community focused on student learning by providing services and support for students outside the classroom. Student Life areas include: Dean of Students Office, Residential Experience, Community Life, New Student and Family Programs, Campus Housing and Conference Services, Counseling Center, Health and Wellness Center, Student Involvement and Leadership, Intercultural Center, Women's Resource Center and Public Safety. Student Life administrators and staff work together and in association with other campus departments to form key relationships for the benefit of our students.

Student Life is guided by the Lasallian Core Principles:

- FAITH IN THE PRESENCE OF GOD
- CONCERN FOR THE POOR AND SOCIAL JUSTICE
- QUALITY EDUCATION
- RESPECT FOR ALL PERSONS
- INCLUSIVE COMMUNITY

Students who engage in the Student Life experience at Saint Mary's College will apply the habits of mind to achieve the following outcomes:

1. The ability to reflect on and articulate the multiple and evolving dimensions of their personal identity
2. The ability to demonstrate an understanding of personal and social responsibility
3. Competence in making connections with others and experiencing a sense of belonging
4. The ability to advocate for the dignity of all people
5. The ability to practice leadership as a means for positive social change
6. Knowledge of and ability to model behaviors that support a balanced and healthy lifestyle

## Student Life

### DEAN OF STUDENTS

The Dean of Students Office is a department within the division of Student Life and serves as a key link between students and other areas of campus life. The purpose is to support out-of-classroom experiences in an effort to develop independent, civic-minded responsible adults. The Dean of Students staff coordinates the College's response to crisis situations that involve students and frequently serves as a liaison between students, faculty, and other administrators or offices in a variety of situations. The four offices that report to the Dean of Students focus on various elements of student life. Residential Experience is responsible for student programming and living arrangements in the campus residence halls. Community Life encourages personal integrity through the student discipline process. New Student and Family Programs supports the transition of students to the College and Campus Housing and Conference Services offers opportunities for year-round use of College facilities. The Dean of Students is available to guide students and parents to resolve complex issues and provide resources to enhance the Saint Mary's experience.

The Office of New Student and Family Programs and the Office of Residential Experience function as a unit. As experts on transition, these offices provide an engaging residential experience and focus on the development of personal and social responsibility.

### RESIDENTIAL EXPERIENCE

The Office of Residential Experience creates an on-campus home for residential students by developing a safe, engaging and inclusive environment that supports growth and learning and emphasizes personal and social responsibility. The atmosphere is supported by a dynamic team of residential staff, the student programming body (Residence Hall Association or RHA), and a variety of campus partners who support our Living Learning Communities. Through intentional connection with the academic community, the Office of Residential Experience carefully assesses the holistic learning of students in the context of the residential community.

### LIVING LEARNING COMMUNITIES

Saint Mary's College offers students residential opportunities to extend their education beyond the classroom. There are several themed living learning communities in the residence halls. A Saint Mary's College living learning community provides resident students:

- A unified theme and shared sense of goals within the community
- Intimate engagement with Saint Mary's through conscious contribution and fellowship
- Improved academic and social transition in each stage of student development
- Increased personal and academic learning and development
- A supporting and challenging environment in which students engage in ideas and explore diverse views and values

### INTERNATIONAL HOUSE — A GLOBAL LIVING AND LEARNING COMMUNITY

The International House (iHouse) is a global living and learning residential community that fosters a friendly environment and caring community where cultural diversity and respect for difference is valued and at the forefront of all interaction. The iHouse is a safe and engaging place where both international and domestic students can learn and practice skills important in cross-cultural communication and engaging globally. The iHouse serves to orient international students and prepare domestic students for study abroad in their second semester sophomore, junior or senior years. Residents of the iHouse participate in service projects, attend 3 global/cultural presentations, participate in iClub activities and annual Global Fair, participate in international cooperative cooking nights, and develop new and interesting globally focused gatherings. The iHouse is located in Claeys Hall North and is sponsored by the Center for International Programs and in partnership with the Office of Residential Experience. It is only open to students with sophomore standing. For more information, contact the Center for International Programs by phone at (925) 631-4352 or email at [studyabroad@stmarys-ca.edu](mailto:studyabroad@stmarys-ca.edu).

### HONORS LIVING COMMUNITIES

The Honors Living Communities invite students with a commitment to academic and civic excellence to live and work in an inclusive and supportive cohort. The first-year Honors Community in Assumption Hall eases honors students' transition into college by acquainting them with faculty and by providing tutoring and a variety of recreation and service activities. The second-year Honors Community in Claeys Hall South appeals to students who wish to enhance their studies by engaging in leadership and sustainability opportunities on campus. Both communities are built around the concept that neither personal potential nor a true respect for human difference can be reached in the absence of shared experience.

#### Assumption Hall Honors Living Community

Incoming first-year Honors students have the opportunity to apply for the Honors Living Community in Assumption Hall. Residents of the First-Year Honors Living Community

- Have access to free tutoring from live-in, upper-division mentors versed in the sciences and humanities and benefit from increased support in common first-year courses.
- Are eligible to participate in formal and informal community activities, including field trips, study groups, meals with faculty, trips to Bay Area music, theatre and athletic events.
- Have access to a full kitchen, a spacious study and a recreation lounge.

If you are an incoming first-year Honors Program student and wish to participate in this community, indicate your interest on the Honors Program Questionnaire you will receive in May after you have confirmed your enrollment at Saint Mary's College. For more information, contact the Honors Program, at [honors@stmarys-ca.edu](mailto:honors@stmarys-ca.edu) or by phone at (925) 631-8157.

### Claeys Hall South Honors Living Community

All sophomore Honors Program students are eligible to apply for Honors housing in Claeys South Hall. Residents of this community:

- Benefit from a community of similarly motivated peers who wish to enhance their studies through active participation in student leadership and service
- Enjoy a primary role in the maintenance and development of Saint Mary's College organic "Legacy Garden" and campus sustainability projects in partnership with the Green Living Learning Community.
- Participate in a variety of formal and informal events organized by students, for students, in and around the San Francisco Bay Area. For more information about this community, or about the Honors Program, contact the Honors Program at [honors@stmarys-ca.edu](mailto:honors@stmarys-ca.edu).

### SCIENCE LIVING LEARNING COMMUNITY

For incoming first-year students who have expressed an interest in pursuing a science major, a special living learning community exists in Assumption Hall, just across the street from the Brother Alfred Brousseau Science Building. Science-focused students seeking a residential community with peers who are taking calculus, chemistry, physics or biology, and who are committed to an atmosphere where there is quiet time for studying at night, find this option attractive. In addition to the opportunity to live in an intellectually stimulating environment, students in the Science Living Learning Community are supported in their academic endeavors by the presence of older students, skilled in the sciences and the humanities, who are available as mentors and tutors. In conjunction with the Honors Living Learning Community, placed in the same building, students have access to a range of enrichment activities such as going to the San Francisco Symphony, Bay Area museums. The Science Living Learning Community is sponsored by the School of Science in partnership with the Office of Residential Experience. For further information contact Professor Chris Jones of the Math Department (925) 631-8047, or [cjones@stmarys-ca.edu](mailto:cjones@stmarys-ca.edu).

### GREEN LIVING LEARNING COMMUNITY

The Green Living Learning Community at Saint Mary's College is a coalition of sophomore students seeking to work with their peers in adopting sustainable practices and reducing their environmental footprints. Housed in Claeys Hall South, students in the Green Community have a unique opportunity to carry out the Catholic, Lasallian, and Liberal Arts traditions of the College through activities such as weekly gardening in the Legacy Garden or volunteer work in the LaMorinda environmental community. Ultimately, the Green Living Learning Community will serve as a model, growing into a sustainable legacy that will influence following generations of students. For more information about the Green Living Learning Community, contact coordinator Julie Welch at [juliewelch1976@gmail.com](mailto:juliewelch1976@gmail.com).

### LASALLIAN LIVING LEARNING COMMUNITY

For sophomore students, the Lasallian Living Learning Community at Saint Mary's College is a residential experience grounded in the themes of faith, service and community. Students seeking intentional and deeper ways of living the themes of this community in their own life are drawn to this program. In addition to living together in Becket Hall, participants in Lasallian Community engage in regular service opportunities at a local elementary school, enjoy fellowship with one another during community nights, and participate in weekly classroom discussions as students enrolled in or auditing a .25 course in the Department of Theology and Religious Studies each semester: Listening to Life: Living Lasallian I (TRS 017) and II (TRS 018). The Lasallian Community is sponsored by the Mission and Ministry Center in partnership with the Office of Residential Experience. For more information, contact the Mission and Ministry Center at (925) 631-4366 or [mmc@stmarys-ca.edu](mailto:mmc@stmarys-ca.edu).

### SANTIAGO LIVING LEARNING COMMUNITY

For juniors and seniors, the Santiago Community at Saint Mary's College is a residential community grounded in the themes of faith, service and community. Upper-division students seeking mature and intentional ways to live the themes of this community are drawn to this program. Some students participate in Santiago Community after their experience of Lasallian Community. In addition to living together in Ageno Hall West, participants in Santiago Community engage in an off-campus overnight retreat to set individual and community goals. These identified goals frame student engagement in shared experiences of faith, service and community. Community leaders and a suite committee provide leadership and support to animate these goals. The Santiago Community is sponsored by the Mission and Ministry Center and in partnership with the Office of Residential Experience. For more information, contact the Mission and Ministry Center at (925) 631-4366 or [mmc@stmarys-ca.edu](mailto:mmc@stmarys-ca.edu).

### COMMUNITY LIFE

The Office of Community Life assists students in maximizing their potential as responsible and ethical citizens and leaders. The Office of Community Life seeks to reduce student misconduct by encouraging an active and healthy lifestyle and educating students about the importance of being engaged in their community. The Office of Community Life is responsible for administering the disciplinary process. The process is intended to educate students about appropriate conduct and the potential consequences of their actions and choices. It articulates learning, personal responsibility, self-discipline, respect for others and self, and supports the educational values of our community.

## Student Life

The *Undergraduate Student Handbook* can be found online at [stmarys-ca.edu/studenthandbook](http://stmarys-ca.edu/studenthandbook). The *Undergraduate Student Handbook* communicates important information regarding the Undergraduate Student Code of Conduct, the Academic Honor Code, Alcohol and Other Drugs policy, and other Community and College policies

### NEW STUDENT & FAMILY PROGRAMS

New Student & Family Programs is dedicated to providing a seamless transition into the campus community for new students and their families by engaging them through programs, outreach and publications. Summer Orientation, Weekend of Welcome and the First-Year Experience offer new students opportunities to connect academic, personal, social, cultural and spiritual development into their educational goals and practices. New Student & Family Programs promotes family involvement and partnership with the College through the Parent and Family Association, communication efforts including engagement opportunities such as the Family Forum listserv and newsletter, and annual Parent and Family Weekend.

### CAMPUS HOUSING AND CONFERENCE SERVICES

The Campus Housing Office is the central location for students to obtain all pertinent information regarding their housing needs. In coordination with Residential Experience, Campus Housing assists students in room selection and placement, facility concerns, as well as coordinating all of the opening and closing of the residence halls. The Campus Housing staff serves over 1,600 undergraduate and graduate students as well as the 22 residence halls located throughout our campus.

Conference Services provides a variety of environments for curricular and co-curricular learning, recreation and cultural events. Students, faculty and College department staff can arrange for the use of various campus facilities through this office to assist them in their programming needs. Conference Services is also responsible for an invigorating summer conference schedule where groups from all over the country use our beautiful campus for programs throughout the summer.

### COUNSELING CENTER

The Counseling Center is the primary provider of counseling and psychological services to the full-time undergraduate campus community. Students may receive individual, couple or group counseling by a professional psychologist or counselor in an atmosphere of privacy and confidentiality. Counseling is provided in an open, non-judgmental and culturally-sensitive environment. The professional staff helps students with personal concerns, such as adjustment to college, relationships, stress, anxiety, depression, body image, self-esteem, grief and loss, sexuality, sexual orientation and issues related to alcohol and other drug use. Additionally, the Counseling Center offers lectures, presentations and workshops on a variety of topics. Students may be seen during walk-in hours or by appointment. Referrals are made to community professionals for longer-term treatment.

### HEALTH AND WELLNESS CENTER

The Health and Wellness Center is an urgent care clinic providing medical care to all full-time undergraduate students. All professional services rendered at the Center are free and there is a nominal charge for prescription medications, immunizations and some medical supplies. The Center is staffed by a physician, nurse practitioner, registered nurses, medical assistant and health educator. Health education and promotion are important components of the Center's programming. The health educator works with a group of student volunteers who actively promote positive lifestyles and responsibility for one's health and well-being to the Community. All full-time undergraduates are required by the College to have health insurance coverage. Regardless of insurance type, full-time undergraduates have access to the care provided in the Center. Please visit [stmarys-ca.edu/health](http://stmarys-ca.edu/health) for a detailed list of services, hours of operation, list of required immunizations and educational materials that the Center provides.

### LEADERSHIP, INVOLVEMENT AND DIVERSITY

Leadership, Involvement and Diversity includes the areas of Student Involvement and Leadership, Intercultural Center and Women's Resource Center. The staff of the area actively fosters the engagement and success of students by cultivating opportunities for student leadership, meaningful relationships and life-long learning by providing a dynamic environment while responding to diverse student interests and needs.

### STUDENT INVOLVEMENT AND LEADERSHIP (SIL)

Student Involvement and Leadership provides opportunities for academic, intellectual, personal, social and leadership growth through the coordination and implementation of co-curricular programs. SIL advises and mentors the Associated Students of Saint Mary's College of California (ASSMC), Campus Activities Board (CAB), student media and student organizations. SIL assists students in developing their leadership skills through various roles and opportunities on campus. Leadership programs include multiple leadership workshop opportunities, a retreat series and an end-of-year leadership recognition and celebration.

### THE ASSOCIATED STUDENTS OF SAINT MARY'S COLLEGE (ASSMC)

The ASSMC is the official student government, representing the traditional undergraduate student body of Saint Mary's College. As a cooperative campus organization based on mutual confidence among students, faculty and administration, the ASSMC constitution, bylaws and fiscal allocations are subject to review and approval by Student Involvement and Leadership. The administrative structure of ASSMC includes the elected Executive Council (president, vice president for administration, vice president for finance, and vice president for student affairs) and an elected Student Senate comprised of class chairs, vice chairs and senators. In partnership with SIL, the ASSMC charters, supports and funds over 40 student organizations, including Campus Activities Board (CAB)



### STUDENT ORGANIZATIONS

The diversity of Saint Mary's clubs and organizations reflects the interests and commitments of our student population. Currently, there are more than 40 registered organizations with members who are actively pursuing their academic, social, cultural, athletic, professional, service and unique special interests through student organizations and clubs. For a current listing of recognized and affiliated clubs and organizations on campus, contact Student Involvement and Leadership or visit their website.

### INTERCULTURAL CENTER

The Intercultural Center (IC) strives to create a safe and supportive learning environment that embraces diversity and fosters an inclusive community. The IC is committed to educating the campus about cultural competence, identity development and social justice. IC programs and support services are designed to explore the broad definition of culture and affirm the human worth of all individuals.

### WOMEN'S RESOURCE CENTER

The Women's Resource Center is dedicated to creating a campus environment that empowers women to envision and engage in a life that maximizes their academic, personal and spiritual growth. The Center enhances students' experiences by fostering a supportive and inclusive environment for all, while promoting and practicing acceptance and collaboration, and providing relevant programming, advocacy, and resources.

### PUBLIC SAFETY

Public Safety is responsible for safety and security programs, crime prevention, parking control and escort services on campus property. Public Safety officers patrol the campus; respond to reports of crimes, fire alarms, medical emergencies and requests for assistance; and enforce campus traffic and parking regulations. While the Moraga Police Department is the official governmental law enforcement agency for our campus, the Department of Public Safety, as a non-sworn security organization, provides the day-to-day, 24-hour security and safety presence on campus. The College requests that all crimes be reported to the Department of Public Safety. While the Department of Public Safety contacts the Moraga Police Department for further investigation and follow-up on criminal matters as appropriate, all victims of crimes retain the right to contact the Moraga Police Department directly for any criminal matter. Public Safety can be contacted 24 hours/7 days a week by calling (925) 631-4282.

As provided by the Jeanne Clery Disclosure of Campus Security Policy and Campus Crime Statistics Act of 1998, Saint Mary's College of California, through its Department of Public Safety, annually provides notice and makes available copies of the Annual Security Report to the campus community, prospective students, employees and the public. Each Security and Fire Safety Report includes statistics for the past three years concerning crimes and incidents reported to campus security authorities (whether they occurred on campus, in off-campus building and property owned or controlled by the College, or on public property adjacent to campus). Each Security and Fire

Safety Report also provides campus policies and practices concerning security—how to report sexual assaults and other crimes, crime prevention efforts, policies/laws governing alcohol and drugs, victims' assistance programs, student discipline, college resources and other matters. The Security and Fire Safety Report is available publicly in the following ways: electronically at [stmarys-ca.edu/public-safety/annual-security-and-fire-safety-report](http://stmarys-ca.edu/public-safety/annual-security-and-fire-safety-report); in person at the Department of Public Safety Administrative Office, 111 Assumption Hall; or by mail or telephone request made to: Department of Public Safety, P.O. Box 3111, Moraga, CA 94575-3111 (925) 631-4052.

In addition, as provided by the Campus Sex Crimes Prevention Act, the Contra Costa County Sheriff's Office maintains a Megan's Law database of sex crime offenders. Information may be obtained in person from the Sheriff's office, 500 Court Street, Martinez, Monday–Friday, 9 a.m. to 4 p.m. or through the California Department of Justice website, which lists designated registered sex offenders in California at [meganslaw.ca.gov/](http://meganslaw.ca.gov/)

### STUDENT LIFE

**Jane Camarillo, Ph.D.**

*Vice Provost for Student Life*

**TBD**

*Dean of Students*

**Eté Martinez Anderson, M.Ed.**

*Assistant Dean, Leadership, Involvement and Diversity*

**Jim Sciuto, M.A.**

*Associate Dean of Students*

**Jennifer Herzog, M.Ed.**

*Director of New Student and Family Programs*

**Alfred Day, M.A.**

*Director of Residential Experience*

**Joan Iva Fawcett, M.A.**

*Director of Intercultural Center*

**Adán Tejada**

*Director of Public Safety*

**Marie Lucero, M.A.**

*Director of Campus Housing and Conference Services*

**Alireza Rezapour, M.D.**

*Director of Student Health and Wellness Center*

**Sharon Sobotta, M.A.**

*Director of Women's Resource Center*

**Dai To, Ph.D.**

*Director of Counseling Center*



## Student Life

### MISSION AND MINISTRY CENTER

The Mission and Ministry Center gives expression to and fosters the Catholic Lasallian heritage and mission at Saint Mary's College. The professional staff and student leaders provide leadership and support for the College's articulation of the Catholic and Lasallian identity in the context of a liberal arts education and given expression in the five Lasallian Core Principles: Faith in the Presence of God, Concern for the Poor and Social Justice, Quality Education, Inclusive Community, and Respect for All Persons.

The six Core Areas of the Mission and Ministry Center include Faith Formation, Lasallian Mission, Liturgy and Prayer, Justice and Education, Residential Ministry, and Retreats and Vocation.

#### Faith Formation

The area of Faith Formation in the Mission and Ministry Center provides a focus on the sacramental preparation process, academic partnerships, spiritual direction, and ecumenical and inter-religious dialogue. The Mission and Ministry Center is attentive to our Catholic heritage and tradition, each person's faith and religious traditions, and those who are seeking support in their spiritual development.

#### Lasallian Mission

The Lasallian Mission area provides opportunities for Lasallian Mission programs on campus, partnerships with the Lasallian Mission in local, national and international settings, and close collaboration with the College's Office of Mission. Aware that we are a Catholic Lasallian college, each person is invited and encouraged to become more deeply involved in the expression of our Lasallian heritage and mission at the College.

#### Justice and Education

An expression of our commitment to social justice rooted in Catholic Social Teaching and the commitment to service and justice through education that is at the heart of our Lasallian mission, Justice and Education is attentive to the educational opportunities on justice-related topics, Catholic social teaching, opportunities for students to be engaged in service and social justice projects, and the development of service immersion programs during academic breaks.

#### Liturgy and Prayer

The expression-of-the-faith life of the campus, as well as the Catholic sacramental life, is expressed through the Liturgy and Prayer programs and experiences of the Mission and Ministry Center. We actively seek ways to nurture the liturgical life of the College community and foster opportunities for spiritual development and prayer experiences. Weekday and Sunday Masses, as well as College liturgies, provide a visible witness to the Catholic identity and sacramental life of the College community.

#### Residential Ministry

Saint Mary's College provides intentional opportunities for students to build and experience community. Certainly, the residence halls and the many students who reside on campus have experienced this and given community authentic expression. Residential Ministry within the Mission and Ministry Center includes the Lasallian Living Community in Becket Hall and the Santiago Community in Ageno West Hall, as well as outreach to all students in the residence halls through partnerships with the Office of Residential Experience, resident advisors, resident directors, and other departments on campus.

#### Retreats and Vocation

Opportunities for time to reflect, pray, and build community are an important aspect of the College community. The Mission and Ministry Center is committed to the development of a yearly retreat series that includes retreats such as the annual fall New Student Retreat, a Senior Retreat, Meditation Retreat, and other thematic retreats. Attentive to the call by God that each of us has been given; opportunities to reflect, pray, and discuss our God's presence and call in our lives happen through opportunities for discernment, prayer and discussion groups. The consideration of post-graduate volunteer opportunities, such as the Lasallian Volunteer Program, is a viable possibility for many students.

The Mission and Ministry Center is located next to the Chapel along the Arcade. (925) 631-4366 or [mmc@stmarys-ca.edu](mailto:mmc@stmarys-ca.edu).



## *Academic Requirements*

### **CALENDAR**

Saint Mary's follows a 4-1-4 calendar. This includes a fall term of 14 weeks, during which students normally take four courses, ending before Christmas vacation, a January Term of one month during which students take only one course, and a spring term, again of 14 weeks, during which students normally take four courses.

Courses for the fall and spring terms are described in this catalog. Courses for the January Term vary from year to year and are described in a special catalog available in the fall term. Besides providing an opportunity for students to focus all their energy on a single subject during one month, the January Term provides the opportunity for various experimental courses, off-campus field study, travel courses in foreign countries, exchange with other 4-1-4 colleges, and special independent study projects.

One January Term course is required for each year of full-time attendance.

Students in the part-time enrollment program are encouraged to take January Term courses. Any part-time student who wishes to be excused from this requirement must petition the Vice Provost for Undergraduate Academics to do so.

### **COURSES**

Following the general custom of 4-1-4 colleges, Saint Mary's College awards undergraduate degree credit in terms of "course credits" or more simply, "courses" (as opposed to semester or quarter units). Since 36 course credits are required for the bachelor's degree, the regular full-time student will enroll in nine courses per year, four each in the fall and spring terms and one in the January Term. Regular courses in the fall and spring terms are designed to require approximately one-fourth of the academic work expected of a full-time student during the term; January Term courses are designed to require all of the academic work of a full-time student during the term. Courses listed under departments are worth one full course credit (1.00) unless specifically indicated otherwise; multi-part courses (e.g., **Communication 132–133**) are worth one full course credit for each part. Fractional course credits are specified as .50 after the course number if they are one-half course credit, or .25 if they are one-quarter course credit. Each 1.0 course credit is equivalent to 3.5 semester units. January Term courses are equivalent to 4.0 semester units. Fractional courses are credited as follows: .25 equals 1.0 semester unit and .50 equals 2.0 semester units.

## Academic Requirements

### REQUIREMENTS FOR BACHELOR OF ARTS AND BACHELOR OF SCIENCE

In order to qualify for the bachelor's degree, a student must satisfactorily complete 36 course credits, 17 of which must be upper-division level. A minimum of nine courses must be completed at Saint Mary's College. Fractional course credit courses (e.g., .25, .50), may not cumulatively account for more than three course credits toward the degree. No student may apply more than three courses in independent studies toward graduation requirements without the permission of the Registrar. This regulation does not apply to independent study courses taken during January Term..

### CREDIT HOUR DEFINITION

Saint Mary's College follows the federal government's definition for credit hours, as follows: "As an amount of work represented in intended learning outcomes and verified by evidence of student achievement that is an institutional established equivalence that reasonably approximates no less than:

One hour of classroom or direct faculty instruction and a minimum of two hours of student work out of the classroom each week for approximately fifteen weeks for one semester hour of credit

At least an equivalent amount of work as required in paragraph (1) of this definition for other academic activities as established by the institution including laboratory work, internships, practica, studio work, and other academic work leading to the award of a credit hour."

### UPPER DIVISION AND LOWER DIVISION

Freshmen are expected to concentrate on lower-division courses but may sometimes be admitted to upper-division courses if they have the appropriate preparation. Sophomores normally concentrate on lower-division courses, but may begin to take upper-division courses in their major field, especially in the second semester of their sophomore year. Juniors and seniors normally concentrate on upper-division courses in their major field and frequently include lower-division courses as electives in their program of study.

Lower-division courses, numbered 1–99, are frequently introductory or survey courses. Upper-division courses, numbered 100–199, are characterized by at least two of the following:

- (a) They have college-level prerequisites
- (b) They focus on a particular topic or require an in-depth study of a subject rather than a survey or introduction, and require that the necessary introductory study has been completed
- (c) They demand a readiness and maturity characteristic of students with successful prior college experience, with skills in reading, writing and discussion of demonstrable rigor and complexity
- (d) They include course objectives which entail high levels of cognitive, affective or psychomotor achievement

### STUDENT CLASSIFICATION

Full-time students at Saint Mary's normally take nine full credit courses each academic year, one of which must be a January Term course.

Full-time students carry 3.00 to 4.00 full course credits in the fall and spring terms and one course credit during the January Term. Full-time enrollment may range from 7.00 to 9.00 full course credits per year. Full tuition covers from 7.00 to 9.00 full course credits per year.

The availability of full and fractional course credit (.25 or .5 courses) allows the student a wide variety of enrollment combinations in completing his/her full-time schedule. For example, instead of four regular course credit classes, a full-time student might enroll in three full credit (1.00) classes, in one half-course-credit (.5) class, and in two quarter-course-credit (.25) classes, while still completing the same amount of degree credit. Students may elect to take a number of quarter-course credit (.25) courses each year, with approval of their academic advisor. Fractional credit may not cumulatively account for more than 3.00 course credits toward the degree.

Part-time students carry fewer than 3.00 course credits in the fall and spring terms and less than 1.00 course credit during the January Term.

Matriculated students are those who meet all entrance requirements, declare their intention of working for a degree, and follow the prescribed curriculum. Generally, full-time and part-time students are classified as being matriculated students.

Special students are normally part-time students enrolled in regular coursework without the intention of pursuing a degree. Such students are not required to meet the normal admissions requirements.

### CLASS DESIGNATIONS

Freshmen = less than 9 courses completed  
Sophomores = 9 courses completed  
Juniors = 18 courses completed  
Seniors = 27 courses completed

### AUDITORS

Matriculated part-time and full-time students with a B average may audit one course each term in addition to the regular class load, with permission of the instructor. However, not all courses or all subject matter fields lend themselves equally to being audited. Students may audit only those courses that have adequate space and facilities to accommodate them. An auditor may not participate actively in course work or take finals and therefore does not receive credit. Students may have an audited course included on the permanent record with the mark "Z" for audit by paying an audit fee. Students enrolled in the Open Enrollment Program (part-time enrollment) must pay an audit fee.

### OPEN ENROLLMENT

Open Enrollment is a program that offers part-time study on a space-available basis to the general public. One can enroll in or audit on-campus undergraduate courses. Open Enrollment students may enroll in a maximum of 2 courses per term. Open Enrollment students may only register during the Drop/Add period, which is the first week of the term. Students may enroll in a total of 4 courses maximum per year and 8 courses maximum for the program. Extended studies beyond the 8 course limit may be granted in special circumstances by approval of the Registrar. For additional information, contact the Registrar's Office.

### REGISTRATION

#### REGISTRATION PROCESS

Returning students register for courses for the next term late in every fall and spring term. They can register online with their advisor's approval. With their advisor's approval, students register online. If departments impose size limits on certain classes, those classes are closed to further enrollment immediately upon reaching the specified maximum. New students admitted for the fall term are advised during the summer and registered at that time. Approved changes in student registration can be made until the day prior to the start of term. Some courses appearing on the schedule may not be offered in that term because of low enrollments.

#### SUMMER SESSION

Summer Session is an additional term for students who wish to pursue summer study. Registration occurs in late spring. See the Registrar's webpage for specific annual information.

### THE DROP-ADD PERIOD (COURSE ENROLLMENT CHANGES)

The drop-add period begins on the first day of class. Students wishing to drop or add courses do so by going to the appropriate classes and obtaining the instructors' signatures and then the signature of their academic advisor. Instructors may refuse to add students to courses that have already reached maximum size. Some academic departments may impose additional procedures for course changes within their departments. The drop-add period is the first week of the term. Students are financially and academically responsible for all courses in which they are enrolled at the end of this period.

### WITHDRAWAL FROM A COURSE

A student may withdraw from a course without academic penalty through the 10th week of instruction. The student files a petition in the Registrar's Office in which the instructor verifies the last date of attendance and the advisor acknowledges the withdrawal. The course remains on the student's record with a W grade. Refer to Withdrawal and Refund Policy (p. 23) for information on possible refund. If a student decides to repeat a course from which the student withdrew, the student must pay tuition for the course again.

### INDEPENDENT STUDY COURSES

The College offers students three kinds of independent study courses: a 199 course (Honors Study) is ordinarily taken by an upper-division student with a 3.0 (B average) in the field of his/her major; a 197 course (Independent Study) is ordinarily taken by a student whose educational needs cannot be met by courses available in the regular curriculum; a 195 course (Internship) is ordinarily taken by an upper-division student who wishes to complement his/her education with related work experience. The 195 Internship may be repeated at most once for credit, if content varies.

Enrollment in 195 or 197 courses requires good academic standing (2.0). Ordinarily, freshmen are not allowed to take independent study courses. January Term independent study courses are limited to upper-division students with a 2.5 or better overall grade point average. No student may apply more than three courses in independent studies toward graduation requirements without the permission of the Registrar. This regulation does not apply to independent study courses taken during January Term.

Undergraduate students may arrange with individual instructors to undertake independent study courses during the summer. As during any other term, an independent study petition must be completed and approved. Students should register for summer credit at the Registrar's Office by early June. At that time the approved petition must be filed and tuition arrangements settled with the Business Office. Work should be completed and grades reported to the Registrar by early August.

## Academic Requirements

### COURSES FROM OTHER COLLEGES

Some students may choose to enroll in coursework at other accredited local colleges while they are attending Saint Mary's during the regular academic year, or they may take summer work elsewhere. Prior to any such enrollment for transfer credit, students should secure the approval of the Registrar's Office to have that credit accepted toward the degree at Saint Mary's. At the end of each term at the transfer college, the student should immediately have official transcripts sent to the Registrar's Office at Saint Mary's so that the transfer credit can be recorded. All transfer credit accepted by Saint Mary's College is included on the student's Saint Mary's transcript and is computed into the student's total college grade point average.

Students must secure the written approval of an appropriate department chair for using upper-division courses taken at other colleges to fulfill their major requirements at Saint Mary's. Students must take the majority of their major courses at Saint Mary's College. Some departments have particular requirements and they are listed under the individual departments in this catalog. Only course grades of C- or above are acceptable toward meeting graduation requirements.

### GRADUATION REQUIREMENTS

In order to graduate from this College, students must have both a cumulative grade point average of 2.0 (C average), computed on all courses taken or accepted for credit at Saint Mary's College, and a grade point average of 2.0 (C average) in courses required for their program or their major (or minor). The College reserves the right to withhold or rescind a degree.

#### IN RESIDENCE REQUIREMENT, SENIOR YEAR

The "in residence" requirement for the degree is ordinarily four academic years at Saint Mary's College or equivalent transfer credit from some other college or university. However, the "in residence" requirement for the senior year is seven regular courses. Students who transfer to the College in their senior year will be required to take a full load of nine courses, of which at least seven courses must be upper division, in order to receive the degree from Saint Mary's. At least two courses in the minor must be taken at Saint Mary's.

#### GRADUATION PROCEDURE

At the beginning of the senior year, each student must complete an Application for Commencement. These forms are available online using GaelXpress. The Registrar's Office reviews all such petitions, checks the prospective graduate's record of completed coursework, and notifies students of their eligibility to participate in the commencement ceremony. Seniors who will not have completed all degree work by commencement may participate in commencement exercises provided they have no more than two courses or course credits remaining to complete. All seniors are assessed a graduation fee, whether or not they plan to participate in commencement exercises.

### EXCHANGE COURSE PROGRAM

At present, Saint Mary's College participates in an exchange enrollment program with members of the Regional Association of East Bay Colleges and Universities. Among others in the association are UC Berkeley and California State University, East Bay, as well as Holy Names University and Mills College in Oakland. The program enables a full-time student enrolled at any one of the participant colleges to take up to one course per term at any of the institutions. The program is designed to broaden the range of classes available to students of these colleges and should normally be used only to take courses that are not offered at their home institutions.

Exchange enrollment is on a tuition-free basis, with full tuition paid to the student's home school; however, special course fees (laboratory, studio, etc.) are payable directly by the student to the exchange institution. Information and exchange enrollment forms are available from the Registrar's Office.

During the January Term, Saint Mary's students may exchange-enroll at a variety of cooperating 4-1-4 colleges throughout the nation. Full information is available from the director of the January Term.

Students who are interested in participating in the ROTC at other Bay Area institutions should contact the Registrar at Saint Mary's College for information.

### STUDY ABROAD PROGRAMS

In today's global environment, study abroad can be a defining element for every student's undergraduate degree. Many companies and organizations increasingly desire leaders with the ability to live successfully in a variety of countries and work with people of various cultural backgrounds. Students have a unique opportunity during undergraduate study to explore the world through Saint Mary's College Study Abroad Programs or through exchange programs or non-Saint Mary's programs. Saint Mary's offers opportunities to study for a semester in college-sponsored programs in Australia, China, Costa Rica, England, France, Germany, Ireland, Italy, Mexico, Poland, South Africa and Spain. These programs provide students an opportunity to study and live in another culture while maintaining a close affiliation with the home campus. Individual study options can include both Saint Mary's coursework and courses from the affiliated host institution. Participants in College-sponsored programs can apply for Saint Mary's-granted financial aid and are considered to be "in residence" even though they are overseas. Students are also able to participate in an out-of-network program, and can apply their government financial aid, if their application is approved by the International Programs Coordinating Committee. For further information on international study options, please contact the Center for International Programs or refer to their services in this Catalog.

Students applying for all semester or year-length programs (whether sponsored by Saint Mary's or another institution) must submit a completed Application for



Study Abroad to the CIP by the deadline of the semester before they intend to study abroad. Students applying to out-of-network programs must also submit an application to determine whether they are eligible to study abroad. Study Abroad approval is necessary to receive direct academic credit from Saint Mary's, and the ability to retain certain kinds of financial aid and access to on-campus housing.

General requirements for semester/year-length programs are:

1. A 2.8 minimum grade point average (both in major and cumulative GPA), although some programs have a higher specific GPA requirement.
2. Foreign language proficiency: Some programs call for a minimum of two semesters of college level study in the language of the host country. While abroad, students are encouraged to study the language of the host country if they do not have proficiency in the language.
3. Two letters of recommendation from faculty or staff.
4. An essay outlining reasons for study abroad and how the proposed program of study will further the student's educational and personal goals.

The application and associated form to complete are listed on the study abroad website ([stmarys-ca.edu/study abroad](http://stmarys-ca.edu/studyabroad)). All applications are reviewed and approved by the International Programs Coordinating Committee. The Center for International Programs advises and guides students through the pre- and post-travel period.

The January Term also offers domestic and international travel courses. Domestic travel courses are open to all students, and international travel courses are open to all sophomores and above who are in good academic standing. Summer travel programs are also available, either as part of Saint Mary's Summer Session or through non-Saint Mary's independent programs. Locations vary each year.

### CREDIT BY EXAMINATION

In order to encourage superior students to develop the capacity to direct their own studies and to work independently, the College provides an opportunity to pass by examination up to nine regular courses, either by passing the College Level Examination Program (CLEP) examinations administered by the College Entrance Examination Board or by challenging Saint Mary's courses.

Saint Mary's will grant a maximum of 30 units (nine courses) of College credit to students passing CLEP examinations at the median level or above as compared to regular college students. Credit will be given only for the subject examinations that correspond to particular College courses and not for the general examinations.

A student who receives a maximum of nine course credits for passing the CLEP examinations is not eligible to challenge by examination any courses offered by Saint Mary's. However, students who receive less than nine course credits for passing the CLEP examinations may

challenge by examination as many Saint Mary's courses as will equal a maximum of nine courses passed by any kind of examination, whether the CLEP examinations or Saint Mary's examinations.

A matriculated part-time or full-time student with a B average may take by examination current catalog courses in which he/she feels adequately prepared on account of private study, personal experience, on-the-job training, or work at a non-accredited college. It is to be understood, of course, that not all courses—for example, laboratory courses, seminars and seminar-type courses—can be suitably passed by examination.

In order to take a course by examination a student must make a formal application that is approved by the instructor of the course being challenged, the department chair of the department concerned, and the Registrar, and pay the scheduled fee of \$50.

A student will not be allowed to challenge a course by examination if he/she had been enrolled in it for all or part of a term, if she/he had the requirement waived, or if he/she audited it during the previous term.

Courses passed by examination cannot be counted toward the fulfillment of residency requirements; however, they may be included in the total number of courses required for graduation.

Grading for a challenged course shall be the same as for a regular course; however, the student's transcript will indicate that the former course was "passed by examination."

## GRADES

### MIDTERM GRADES

During a one-week pre-announced period near the middle of the fall and spring terms, faculty who wish to do so administer midterm examinations, which are held at the usual class hours. The assignment of midterm grades is mandatory for all faculty. The only grades used at midterm are S (satisfactory progress), D and F (deficiency grades), where appropriate. The grades of Z (audit) and W (withdrawn from course) also appear as midterm grades. Midterm grades are available online for students.

### FINAL GRADES AND GRADE CHANGES

Fall and spring terms conclude with a week of specially scheduled examinations. Faculty report final grades to the Registrar's Office. Final grades are available online for students. Grades are released directly only to the students themselves.

Saint Mary's College employs the following final grades: A, excellent; B, very good; C, satisfactory; D, barely passing; and F, failing. All final grades affect grade point average computation (on an A = 4 points scale) and P (passed), Z (audit), I (incomplete) and W (withdrew) do not affect grade point average computation. Plus/minus

## Academic Requirements

grading is permitted. A plus or minus changes the point value of a grade by 0.3 grade point upward or downward respectively (e.g., B+ carries 3.3 points; B-, 2.7); there is no A+.

Final grades are considered permanent and not to be changed except in case of an error in computing, recording and evaluating a student's work, subject to the approval of the Registrar. When necessary, faculty may secure grade change petitions from the Registrar's Office. Students wishing to appeal a specific grade assigned by an instructor may do so under the Academic Grievance Procedure. Information on this procedure may be obtained from the Office of the Vice Provost for Undergraduate Academics. Grade changes for prior terms may not occur more than one year from the initial posting of the grades.

### SATISFACTORY/PASS/FAIL GRADING

Satisfactory/pass/fail (S/D/F) grading is offered as an option to the undergraduate student for certain elective courses. Courses required for a student's major, minor, and courses taken to satisfy the general education requirements (see Program of Study) may not be taken on an S/D/F basis. In courses taken on this basis, the satisfactory grade (the equivalent of C- or higher on the regular grading scale) will not affect the student's grade point average. THE D AND F GRADES WILL AFFECT THE GPA IN THE USUAL MANNER. A student may not take more than three courses during his/her four years on the S/D/F basis; in any one term he/she may not take more than one such course. Petitions for S/D/F grading, which require the instructor's permission, are available from the Registrar's Office and must be filed by the end of the tenth week of instruction.

### INCOMPLETE GRADE

Students must meet with the instructor in order to request an incomplete grade, on grounds of unavoidable circumstances. Requests must be approved by the course instructor, prior to the deadline for the submission of term grades, and the instructor must verify that the student had reasonable attendance throughout the withdrawal period (through the 10th week in instruction) and was passing the course when the circumstances prompting the petition arose. An instructor may originate an I (incomplete) grade only if the student is incapable of appearance on campus and has specifically requested an I (incomplete) grade from the instructor. The student must satisfactorily complete the course work and the instructor's change of grade (if any) must be submitted to the Registrar's Office prior to the end of the midterm examination period (the 7th week of instruction) during the next long term. An I (incomplete) grade not changed by the due date will be changed by the Registrar to F (failure). An extension of the due date, not to exceed one long term, may be requested for extraordinary grounds. A student may not re-enroll in a course in which he/she has an uncleared I (incomplete) grade.

### REPEATING A COURSE

A course may be repeated at this College or at another college for credit. Only the most recently earned grade and grade points shall be used in computing the grade point averages; the course will not be counted a second time toward graduation. If a student repeats a course, the student must pay tuition for the course again. There is no limit on the number of times a course can be repeated.

### TRANSCRIPTS

Transcripts of credit earned at Saint Mary's College (including exchange credit) should be requested at the Registrar's Office. Although transfer credit accepted toward the degree at Saint Mary's is shown on the transcript, it should not be regarded as a complete or official record of that credit. Exam scores (SAT I, ACT, GRE) and high school records are not included in the Saint Mary's transcript; they must be requested separately from the original school or test firm.

The transcript fee is \$5 per copy for regular service (3-5 business days), \$15 for next day service and \$25 for same day service. Transcript requests must be submitted online at [stmarys-ca.edu/registrar](http://stmarys-ca.edu/registrar). A maximum of 3-5 working days is allowed for processing.

Students must submit requests for final transcripts of any work in progress at the end of the term. There is no "work in progress" transcript available.

### ACADEMIC HONORS

#### THE DEAN'S LIST

Each term, the names of those full-time students attaining a scholastic average of 3.50 or better for that term are inscribed on the Dean's List.

#### THE SAINT MARY'S HONORS PROGRAM

To participate in and receive recognition for completing the Honors Program, a student must have earned a cumulative grade point average of 3.50 and must complete all required Honors Program coursework. A student may complete the Honors Program "with Distinction" by completing the social justice coursework in addition to other requirements.

#### HONORS AT GRADUATION

##### Summa Cum Laude

A student must have earned a cumulative grade point average of 3.85 for all college work.

##### Magna Cum Laude

A student must have earned a cumulative grade point average of 3.70 for all college work.

##### Cum Laude

A student must have earned a cumulative grade point average of 3.50 for all college work.

To qualify for graduation with honors, transfer students must complete at least nine courses at Saint Mary's with a minimum cumulative grade point average of 3.50.

#### AWARDS AT GRADUATION

Eligibility for candidacy for all commencement awards (Valedictorian, De La Salle, school or departmental awards, etc.) is determined by the cumulative and major grade point averages of all college work completed (both at Saint Mary's College and at other institutions through transfer credit) on March 1 of the year in which the student is scheduled to participate in the commencement exercises. The student must have filed a candidacy for graduation form with the Registrar's Office no later than March 1.

#### DE LA SALLE AWARD

An award named in honor of Saint John Baptist de La Salle, the founder of the Brothers of the Christian Schools, awarded annually by the College, in memory of J. A. Graves of the class of 1872, to the student in the senior class holding the highest record for scholarship and general excellence. This is the highest honor award at Saint Mary's College.

#### OTHER GRADUATION AWARDS

James L. Hagerty Award (*School of Liberal Arts*)

Arthur S. Campbell Award (*School of Science*)

Brother U. Jerome Griffin Award (*School of Economics and Business Administration*)

Florence Nightingale Award  
(*Intercollegiate Nursing Program*)

Henry Rand Hatfield Award (*Department of Accounting*)

Brother Kyran Aviani Award (*Department of Art*)

Margaret Mead Award (*Department of Anthropology*)

Carlos Freitas Award (*Department of Biology*)

Earl W. Smith Award  
(*Department of Business Administration*)

Joseph P. McKenna Award (*Department of Chemistry*)

Saint Augustine Award  
(*Department of Classical Languages*)

Byron Bryant Award (*Department of Communication*)

Adam Smith Award (*Department of Economics*)

Brother Leo Meehan Award  
(*Department of English and Drama*)

John Muir Award  
(*Department of Environmental and Earth Sciences and Studies*)

Julie A. Pryde Award (*Allied Health Science Program*)

John Dennis Award (*High Potential Program*)

Henry George Award (*Department of History*)

Saint Thomas Aquinas Award (*Integral Program*)

Dag Hammarskjöld (*International Area Studies Program*)

Edward P. Madigan Award (*Department of Kinesiology*)

Alfred Fromm Award (*Liberal and Civic Studies Program*)

Brother Alfred Brousseau Award  
(*Department of Mathematics and Computer Science*)

Dante Award (*Department of Modern Languages*)

Louis LeFevre Award (*Department of Performing Arts*)

St. Albertus Magnus Award (*Department of Philosophy*)

Galileo Galilei Award  
(*Department of Physics and Astronomy*)

Thomas Jefferson Award (*Department of Politics*)

Frederick Whelan Award (*Department of Psychology*)

Jane Addams Award (*Department of Sociology*)

John XXIII Award  
(*Department of Theology and Religious Studies*)

Sor Juana Inés de la Cruz Award  
(*Women's and Gender Studies Program*)

George R. McKeon Scholar-Athlete Awards  
(*Athletics; awarded to one male and one female student, distinguished as both outstanding athletes and scholars.*)

George Robert Milliken Award (*for student service*)

## Academic Requirements

### EXPANDED STUDIES PROGRAM

The Expanded Studies Program rewards outstanding undergraduates with opportunities for added study at the College, tuition-free. Participants are encouraged to explore academic disciplines beyond their declared major field(s) of study, to enrich their major studies with additional or complementary courses, or to pursue a minor or additional major field in depth. While the program has the students' intellectual development primarily in view, the College benefits by a "multiplication" of ESP students' presence in the classroom.

Students eligible to participate have met the following requirements: (1) have a cumulative grade point average of at least 3.75 or have, in the most recent three consecutive semesters of full-time study at Saint Mary's College, a semester GPA of at least 3.75 in each of those semesters; (2) be enrolled as full-time undergraduates at Saint Mary's College; (3) have reached at least first-term sophomore status (9 courses taken or accepted for credit at Saint Mary's College); (4) have declared a major field of study (primary major). Students pursuing a double or split major will designate one area of concentration as their primary major. For further information, consult the Registrar's Office.

### LEAVE OF ABSENCE

Any matriculated student not in probationary status may request a leave of absence from the College. The leave may be for a minimum of one fall or spring term, or up to a full academic year. The student must submit a request to go on a leave of absence to the Registrar's Office no later than one week into the term during which the leave takes effect. Students on leave will be kept informed of pertinent College activities and deadlines, especially registration information for the next term. Any enrollments at other post-secondary institutions should be reviewed for transferability and applicability of the credit. Re-admission is guaranteed assuming the student resumes enrollment at the College within the specified time. Students who do not return from leave within one academic year will be withdrawn from the College and required to apply for readmission.

### WITHDRAWAL FROM THE COLLEGE AND READMISSION

Any non-graduating student who terminates his/her enrollment at Saint Mary's during or at the end of any term must complete a withdrawal form in the Registrar's Office; notice of clearance with several other College offices is to be secured on this form. Final transcripts can be released only after the completed form is on file. Students who do not attend classes for the term that follows the last term of enrollment will be administratively withdrawn from the College. All financial obligations to the College must still be met.

A student who has withdrawn from the College may request re-admission by communicating with the Registrar's Office (the Admissions Office processes only new student admissions). Re-admission for fall should be settled by early August, for January or spring, by early December. When requesting re-admission from the Registrar, the student should present transcripts of all transfer work taken since leaving Saint Mary's.

### ACADEMIC STANDING

Saint Mary's College recognizes two regular categories of academic standing: Satisfactory Academic Progress and Probationary Status.

#### SATISFACTORY ACADEMIC PROGRESS

A student who maintains a cumulative grade point average of at least 2.0 (C average) in all courses taken or accepted for credit at Saint Mary's College and, after the freshman year, a cumulative grade point average of at least 2.0 (C average) in all courses required or accepted for credit in his/her major field maintains satisfactory academic progress.

*For the purpose of establishing satisfactory academic progress, only courses taken at Saint Mary's College will be considered during a transfer student's first two semesters in residence.*

#### PROBATIONARY STATUS

A student who, at the end of fall or spring, fails to maintain satisfactory academic progress is considered to have probationary status. The dean of academic advising will notify students in probationary status and their academic advisors, in writing, that failure to achieve satisfactory academic progress no later than the close of the next long (i.e., fall or spring) term will subject students in probationary status to academic disqualification from further study at Saint Mary's College.

#### SUBJECT TO ACADEMIC DISQUALIFICATION

A student is subject to disqualification from further study at Saint Mary's if the student is already in probationary status and fails to resume satisfactory academic progress (cumulative GPA of 2.0) by the end of the semester of probation.

A student who is not in probationary status may be subject to disqualification if:

- The student's cumulative GPA falls below 1.55 for all courses taken or accepted for credit; or
- The student has at least junior standing (see Class Designations, p. 42) and fails to maintain a GPA of at least 1.5 on all courses required or accepted for credit in his/her major field.

Students subject to disqualification will be notified promptly, in writing, by the dean of academic advising. Students are responsible for knowing their academic standing after grades are posted and for contacting the Office of Academic Affairs if they have any questions about their status. Failure to respond either by U.S. mail or e-mail may lead to a student's being disqualified automatically.

Any student subject to disqualification will be disqualified from further study at Saint Mary's College unless, within one week from the date of notification, he/she files an appeal against disqualification with the Academic Probation Review Board, and unless he/she is then granted Special Academic Probation by that board.

### **SPECIAL ACADEMIC PROBATION**

Special Academic Probation may be granted at the discretion of the Academic Probation Review Board, whose members are the dean of academic advising and achievement, the Registrar, two faculty representatives, the dean for student life, the director of the Academic Support Center, and the vice provost for enrollment. In addition to the information contained in the student's petition, the board may seek the advice of the student's instructors, academic advisor, school dean and others, when appropriate. Special Academic Probation is granted pursuant to the following conditions:

- Filing of a timely appeal against disqualification for cause (e.g., existence of serious personal or health factors, or other special circumstances, which have substantially impaired the student's ability to successfully meet the demands of the College's academic programs);
- Demonstration in the appeal of the reasonable expectation that the student can achieve satisfactory academic progress by the close of the next long (i.e., fall or spring) term;
- Acceptance by the student of the conditions specified by the Academic Probation Review Board which will lead to the resumption of satisfactory academic progress by the close of the next long term.

Students who fail to meet the conditions of the Special Academic Probation by the end of the next long term will be immediately disqualified.

The Academic Probation Review Board exercises sole authority in cases of Special Academic Probation.

In extraordinary circumstances, a student may appeal a disqualification or other decision by the Review Board. This appeal must be made within 90 calendar days of notification of disqualification and will be considered only if there is strong and compelling evidence of incorrect procedure, error or new information. The dean of academic advising will determine whether such appeal will be heard by the Review Board.

A student disqualified from this College may apply to the Academic Probation Review Board for re-admission if he/she presents work from another college or university that is acceptable for transfer credit and that is sufficient to signify satisfactory academic progress and a grade point average (major and cumulative) of 2.0 or higher.

### **CLASS ATTENDANCE**

Regular class attendance is an important obligation and an essential condition for successful academic progress. Excessive absence may seriously jeopardize the satisfactory completion of a course. Flagrant absence can be a cause for dismissal from the College. Instructors are responsible for establishing and communicating the attendance policy for a given course. Students are responsible for all assignments in each of their courses, whether or not the assignments were announced during an absence. Penalties for absences depend upon the nature and the amount of work missed, of which the instructor is the sole judge. It is not permissible to miss regularly scheduled classes for the purpose of intercollegiate athletic practice. A student who misses the first session of a course, even if he/she is preregistered, may have his/her place in that course given away and be denied further attendance in that course.

### **ATTENDANCE AT RELIGIOUS FUNCTIONS**

Attendance at chapel is not required of any student at the College. Students, including those who are not members of the Roman Catholic Church, are invited to attend collegiate religious functions (e.g., Mass of the Holy Spirit, Founder's Day Mass, Baccalaureate Mass). Such functions are understood not to be merely sectarian exercises but ecumenical expressions of the values on which the College is founded.



## Academic Requirements

### ACADEMIC HONESTY

Saint Mary's College expects all members of its academic community to abide by ethical standards both in conduct and in exercise of responsibility toward other members of that community. Absolute honesty must be adhered to at all times if the integrity of scholarship is to be maintained. Conduct that violates the principle of academic honesty is subject to College disciplinary action. To help students, staff and faculty understand more fully their responsibilities, and to support their commitment to principles of academic honesty, Saint Mary's College has instituted an Academic Honor Code.

Any work that a student undertakes as part of the progress toward a degree or certification must be the student's own, unless the relevant instructor specifies otherwise. That work may include examinations, whether oral or written, oral presentations, laboratory exercises, papers, reports and other written assignments. Whenever possible, an instructor should specify the rules that students are to follow in completing these assignments. In written work other than examinations, students must clearly indicate the sources of information, ideas, opinions and quotations that are not their own. Under the Academic Honor Code, a student takes responsibility for the correctness and authenticity of all work submitted by that student.

A basic requirement of academic integrity is consultation between students and instructors about ethical conduct. Instructors should explain the principles of academic honesty to their students whenever it is appropriate to do so, and students should consult with instructors when they are uncertain about the rules for an examination, proper attribution of written material or any other aspect of the academic process. The practices of academic dishonesty are to be sharply distinguished from the free discussion and interchange of ideas among students and faculty—one of the most important benefits of academic life. The College wishes to encourage such discussions and interchanges in every possible way and to protect the quality and integrity of the work that its faculty and students perform and the reputation upon which the College depends.

Detailed regulations concerning the Academic Honor Code and the penalties for breach of academic honesty, which may include dismissal from the College, are published in full in the Student Handbook. Each student is held responsible for being acquainted with these regulations.

### ADHERENCE TO REGULATIONS

The student will be held responsible for adherence to all regulations issued by the College administration and published in the 2013–2014 *Catalog of Courses* and the *Undergraduate Student Handbook*. Students are also urged to observe notices published in the student newspaper or posted on bulletin boards around campus.



## ***Program of Study for New Students*** Fall 2013 entrance with 17 or fewer credits

### **CURRICULAR GOALS**

Undergraduate students at Saint Mary's College face the challenge of choosing a suitable program of study from the various sets of undergraduate courses offered by the College. The choices made can be deeply personal and have profound consequences for the life of each individual student. Students can be confident that every course of study offered by the College is guided by and is consistent with the College mission statement.

All undergraduates pursue an educational experience comprised by two integrated components: the core curriculum, required of all students, and a major field of study, selected by the individual student. To graduate from Saint Mary's College, a student must complete 36 Saint Mary's course credits or approved equivalencies, of which at least 17 are upper division, and must satisfy the following Core Curriculum and Major requirements.

### **THE CORE CURRICULUM**

Through the Core Curriculum, graduates of Saint Mary's College will share a common experience of integrated, rigorous intellectual development. The Core consists of three major areas of student learning, each containing four learning goals:

- **HABITS OF MIND.** Considered fundamental to a liberal education, habits of mind foster each person's development as one who seeks to know the truth and is preparing for a lifelong pursuit of knowledge.
- **PATHWAYS TO KNOWLEDGE.** Knowledge takes many forms and arises from a variety of methods. Training in diverse pathways to knowledge provides a cross-disciplinary approach to learning.
- **ENGAGING THE WORLD.** Students explore justice, civic responsibility, and social, economic and cultural differences, examining and reflecting on what it means to be a citizen in local and global communities.

## Program of Study for New Students – Fall 2013 entrance with 17 or fewer credits

The Core Curriculum embodies the spirit of the liberal arts, especially through its emphasis on genuine inquiry. The Core initiates students into the examined life, provides a solid foundation of integrated and developmental learning, and enables them to contribute meaningfully to community life. Each major program of study builds upon this foundation by engaging the student in particular methods of inquiry, allowing the student to access the results of inquiry, and strengthening the student's own powers of inquiry.

Courses approved to satisfy Habits of Mind, Pathways to Knowledge, and Engaging the World Core Curriculum requirements are designated in the course description in this Catalog. For additional information on the Core Curriculum, please go to: [stmarys-ca.edu/core-curriculum](http://stmarys-ca.edu/core-curriculum).

### CORE CURRICULUM REQUIREMENTS FOR NEW STUDENTS (FALL 2013 ENTRANCE WITH 17 OR FEWER CREDITS)

*For transfer students who enter Saint Mary's College in fall 2013 with at least junior standing, the prior General Education requirements apply. See the Office of the Registrar with questions.*

The Core Curriculum requires that graduates of Saint Mary's accomplish a common set of twelve learning goals, independent of their school or major. These goals are organized into three broad categories: Habits of Mind, Pathways to Knowledge, and Engaging the World. Within each category, students may choose from among a variety of courses across disciplines to fulfill the learning goals.

*The current list of courses that satisfy each of these goals is found below under Core Curriculum Course Offerings 2013–2014, and at: [stmarys-ca.edu/core-curriculum](http://stmarys-ca.edu/core-curriculum).*

#### HABITS OF MIND

The cornerstone of a liberal education, the **Habits of Mind** consist of the following learning goals:

- **CRITICAL THINKING.** Students will recognize, formulate, and pursue meaningful questions about their own and others' ideas.
- **SHARED INQUIRY.** Students will reason together about common texts, questions and problems.
- **WRITTEN AND ORAL COMMUNICATION.** Students will develop strong written and oral communication skills.
- **INFORMATION EVALUATION AND RESEARCH PRACTICES.** Students will learn how information is gathered and evaluated in society.

*These goals are accomplished through the following required course of study:*

**4 Collegiate Seminars** (one taken in each year of residence, beginning in the spring of the student's first year);

**3 writing classes, in developmental sequence** (**English 4**, generally to be taken in the fall of the student's first year; **English 5**, generally to be taken in the spring of the first year; and an upper division writing course in the major, to be taken after completion of **English 5**). Refer to English Composition placement for further information.

#### PATHWAYS TO KNOWLEDGE

Students will be exposed to a variety of methodologies and subject matters by completing courses that fulfill the learning goals below. Note that courses that meet major and minor course requirements, and/or those that are designated as meeting learning goals in Engaging the World, may concurrently be used to achieve these learning goals:

- **MATHEMATICAL AND SCIENTIFIC UNDERSTANDING.** Students will apply abstract and logical reasoning to solve mathematical problems and communicate mathematical ideas. Students will also learn about the natural and physical world from an empirical perspective and engage in scientific inquiry.

*This goal will be accomplished through the following required course of study:*

**Math:** 1 course designated as meeting the *Mathematical Understanding learning outcomes*.

**Science:** 1 course and associated laboratory designated as meeting the *Scientific Understanding learning outcomes*.

- **THEOLOGICAL UNDERSTANDING.** Students will study religious texts and traditions, and engage in an exploration of God, humankind and the world as expressed in Catholic and other religious traditions.

*This goal will be accomplished through the following required course of study:*

**2 courses:** 11 course designated as meeting *Christian Foundations learning outcomes (to be taken on campus)* and 1 course designated as meeting *Theological Explorations learning outcomes*. To fulfill the core requirement, the *Theological Explorations course must be taken after the Christian Foundations course*.

## Program of Study for New Students – Fall 2013 entrance with 17 or fewer credits

- **SOCIAL, HISTORICAL AND CULTURAL UNDERSTANDING.** Students will explore how to place today's world in a meaningful context and develop sufficiently complex explanations for current social arrangements.

*This goal will be accomplished through the following required course of study:*

*2 courses designated as meeting the Social, Historical and Cultural Understanding learning outcomes.*

- **ARTISTIC UNDERSTANDING.** Students will analyze, interpret and critique the products of human creative expression.

*This goal will be accomplished through the following required course of study:*

*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.*

### **ENGAGING THE WORLD**

Students will explore issues of social justice, civic responsibility and socio-cultural differences. These broad areas of concern flow directly from the Saint Mary's College mission. Courses that meet major and minor course requirements, and/or those that are designated as meeting learning goals in Pathways to Knowledge, may simultaneously be used to meet these learning goals:

- **THE COMMON GOOD.** Students will explore the common good and how it might be pursued.

*This goal will be accomplished through the following required course of study:*

*1 course or experience designated as meeting the learning goal.*

- **AMERICAN DIVERSITY.** Students will intellectually engage with the social, cultural, economic or political diversity in the United States.

*This goal will be accomplished through the following required course of study:*

*1 course or experience designated as meeting the learning goal.*

- **GLOBAL PERSPECTIVE.** Students will study the social, economic, religious or political structures in different global communities and cultures.

*This goal will be accomplished through the following required course of study:*

*1 course or experience that is designated as meeting the learning goal.*

- **COMMUNITY ENGAGEMENT.** Students will apply intellectual experiences to activities beyond the academy.

*This goal will be accomplished through the following required course of study:*

*1 course or experience that is designated as meeting the learning goal.*

### **LANGUAGE PROFICIENCY**

All students must demonstrate intermediate level of foreign language proficiency. The College offers courses in French, German, Italian, Japanese, Mandarin, Spanish, Latin and Greek. Students may also demonstrate proficiency in a language different from the above, including American Sign Language, by arranging a proficiency examination directly with the Placement and Proficiency Coordinator in the Department of Modern Languages.

The language requirement may be satisfied in one of the following ways:

- a) Successfully completing level 003 of any foreign or classic language taught at Saint Mary's;
- b) Completing three years of the same language in high school with a GPA of 3.0 (B) or higher;
- c) Scoring at least a 3 on the College Board Advanced Placement (AP) Exam in a second language;
- d) or Achieving a TOEFL score of 527 on the paper-based test or 71 on the internet-based test (for International Students who are non-native speakers of English).

We strongly recommend that students complete the language requirement by the end of the sophomore year.

The Department of Modern Languages does not accept online courses to count towards lower division coursework or as a way to satisfy the proficiency requirement.

Students take a placement exam to determine the most suitable language course. The Department of Modern Languages offers online placement exams for Spanish and French. For placement in all other languages, students must contact the Placement and Proficiency Coordinator. Students may only take the online placement exam once during each academic year. Results are valid for one year. For any questions regarding placement, please contact the Placement and Proficiency Coordinator.

Achieving a high score on the placement exam does not satisfy the language requirement. Students who place in level 004 or higher are required to take a proficiency exam to verify oral and written proficiency. For questions, please contact the Placement and Proficiency Coordinator.

Students who have taken the AP exam in language and scored a 3 receive course credit for level 3. With a score of 4 on the AP exam, students receive credit for courses level 3 and level 4. With a score of 5 on the AP exam, students receive credit for courses level 4 and 9 or 10. Native speakers of Spanish who did not take the AP language

## Program of Study for New Students – Fall 2013 entrance with 17 or fewer credits

exam are required to take **Spanish 9**. For those students who have taken the AP exam in literature, please consult the Placement and Proficiency Coordinator in the Department of Modern Languages for appropriate placement.

### ENGLISH COMPOSITION PLACEMENT

**Two courses: English 4, Composition, and English 5, Argument and Research**, usually taken consecutively in the first year of attendance, constitute the English composition requirement. **English 4** is prerequisite to **English 5**. For some students, **English 3, Practice in Writing**, will be prerequisite to **English 4**.

Students identified as native English speakers (those who have completed all of their secondary school education in the United States or in English-speaking educational systems outside the U.S.) will be placed in **English 3, 4** or **5** based on entrance examination scores.

Placement	SAT Critical Reading AND Writing	AP Language OR Literature	English 1A Exam
<b>English 3, Practice in Writing</b>	Below 450	n/a	n/a
<b>English 4, Composition</b>	450–650	3	Below 5
<b>English 5, Argument and Research (Exempt from 4)</b>	660 and above	4 or 5	5 or above (on Higher Level)

Students who wish to challenge their automatic placement may take an optional Writing Placement Exam by arrangement with the composition director. (This exam must be taken prior to Orientation. Contact Professor Lisa Manter [Imanter@stmarys-ca.edu](mailto:Imanter@stmarys-ca.edu).)

The English composition requirement for non-native speakers of English is the same as that for native English speakers with the additional requirement of the SIMS (Studies for International and Multilingual Students) Writing Lab, a quarter credit lab to be taken in conjunction with each standard composition course.

All non-native English-speaking students, both freshmen and transfer, regardless of visa status, must take the Writing Placement exam (offered during the summer for fall enrollees and just before the spring term for spring enrollees). The results of this exam will determine a student's placement in Composition and the corresponding SIMS Writing Lab. As a result of the Writing Placement exam, some students may be placed in **English 3, Practice in Writing**, which is a prerequisite for **English 4**. Students placed in the SIMS Writing Lab must complete the full series of corresponding labs as part of their composition requirement.

### JANUARY TERM

*Students must complete one January Term course for each year of full-time attendance.*

Students may only enroll in one full credit course and one .25 credit course during the January Term. (Part-time students are encouraged to take January Term courses. Any part-time student who wishes to be excused from this requirement must petition the Vice Provost for Undergraduate Academics to do so.)

*Integral majors are responsible for meeting all Core Curriculum learning goals, but many of these will be achieved through the Integral Program's regular course of study. Students should contact the Director of the Integral Program for details.*

### MAJOR FIELD OF STUDY

Defined as a group of coordinated courses within a particular discipline, ordinarily including at least two preparatory courses at the lower-division level and at least eight courses at the upper-division level. Certain majors may require additional background course work in related fields. The regular major groups available to students in the various curricula of the College are listed elsewhere in this catalog. A student may declare or change majors on the appropriate petition form available in the Registrar's Office. A student graduating with a double major will receive only one degree even if the majors are in two different schools.

Students choose a major field of study, an in-depth concentration in a specific academic area, and elective courses according to their interests. (Those who have not determined a program or major field of study at entry are encouraged to take introductory courses in various fields and to settle on a major field of study only as their interests develop a sharper focus. Ordinarily, students must declare their major field of study by the beginning of their junior year.)



## Program of Study for New Students – Fall 2013 entrance with 17 or fewer credits

### ALTERNATIVE MAJORS

The College offers the option of an alternative major program of study, including a Split Major, an Interdisciplinary Major, an Individualized Major, or completion of comprehensive alternative programs. Information on the alternative comprehensive programs can be found in the Curriculum Section of this Catalog under these headings: Integral Program, Liberal & Civic Studies Program, Pre-Professional Curricula, 3 + 2 Engineering Program, and 2 + 2 Nursing Program.

- **SPLIT MAJORS.** Combines work in two departments, must be approved by the chairs of the departments concerned and by the Registrar. Such majors ordinarily comprise nine upper-division courses (six courses in one field and three in another), in addition to the lower-division prerequisites of both departments.
- **INTERDISCIPLINARY MAJOR.** Includes the following: international area studies major, e.g., European studies; Latin American studies, student-directed studies (see director of International Area Studies); American studies (see chair, Department of History); allied health science major (see Allied Health Science advisor, School of Science); health and human performance major (see chair, Department of Kinesiology); cross-cultural studies major (see dean, School of Liberal Arts).
- **INDIVIDUALIZED MAJOR.** A student who believes that his/her academic needs and purposes would be better served by a distinctive program of studies may present an individualized major plan. Besides fulfilling requirements for a major, this plan must satisfactorily lead the student toward the goal of liberal education which the College sees as essential for all of its graduates. Students wishing to pursue an individualized major must submit their proposal to the Registrar and the Chair of the Undergraduate Educational Policies Committee for approval. The guidelines for the proposal can be found online through the Registrar's Office.

### DOUBLE MAJOR

A student is allowed to double major. To do so, all of the requirements for both majors must be completed unless the chair of either major program approves alterations for that student. Some individual majors may require so many courses that it is not usually possible to complete that major and another full major. It is up to the student to arrange how courses are taken, including possible summer coursework, so as to complete all requirements. A student who double majors receives only one degree in one school, even if the second major is in another school. The diploma will carry the name of the degree chosen by the student from the two completed; the transcript will indicate two majors were completed.

### MINOR FIELD OF STUDY

The College offers the option of a minor field of study, defined as a combination of at least five courses from a discipline other than that of the major field, at least three of which must be upper division.

### CORE CURRICULUM COURSE OFFERINGS FOR 2013–2014

#### HABITS OF MIND

Seminar 1: Critical Strategies and Great Questions  
Seminar 2: Western Traditions 1  
English 4: Composition  
English 5: Argument and Research  
Writing in the Discipline: *Taken in the major*

#### PATHWAYS TO KNOWLEDGE

##### Artistic Understanding (Analysis)

Art History 1: Survey of Art: Europe and the United States  
Art History 2: Survey of World Art: Africa, Asia and the Americas  
Art History 145: Issues in Renaissance Art  
Communication 2: Communication and Social Understanding  
English 19: Introduction to Literary Analysis  
English 23: American Voices  
English 105: Children's Literature  
English 115: Chaucer  
English 118: 20th Century Literature  
English 125: Introduction to Film  
English 126: Film  
English 138: Short Fiction  
English 140: Studies in Literary Genre  
English 153: American Ethnic Writers and Oral Traditions  
English 154: Studies in African American Literature  
English 163: The Other English Literature  
English 173: Women Writers  
English 175: Shakespeare  
French 11: Introduction to Literature  
Modern Languages 186: Culture and Civilization of Italy  
Performing Arts 1: Perceiving the Performing Arts  
Performing Arts 10: Rock to Bach: Introduction to Music  
Performing Arts 111: Symphonic Music  
Performing Arts 113: Jazz and Blues in America  
Performing Arts 118: 20th Century Composers  
Philosophy 111: Philosophy of Art  
Spanish 11: Introduction to Literature  
Spanish 120: Spanish Literature: Middle Ages to 18th Century  
Spanish 121: Spanish Literature: 18th - 20th Century

##### Artistic Understanding

##### (Artistic Analysis and Creative Practice)

Art 55: Digital Foundations 1: Photo, Video and Sound  
Art 65: Digital Foundations 2: Web Design and Interactive Art  
ATC 80: Art Theory  
Communication 125: Introduction to Media, Technology & Culture  
English 25: Creative Writing: Multi-Genre Studies  
English 102: Creative Writing  
Performing Arts 14: World Music and Dance  
Performing Arts 33: Acting I: Principles of Performance  
Performing Arts 50: Interactive Theatre

## Program of Study for New Students – Fall 2013 entrance with 17 or fewer credits

### Artistic Understanding (Creative Practice)

Art 1: Studio Foundations 1: Drawing, Painting, Photography  
Performing Arts 12: Applied Music  
Performing Arts 19: Performing Ensembles  
Performing Arts 37: Theatre Performance Lab  
Performing Arts 70, 72, 76, 77: Dance Courses  
Performing Arts 75, 175: Dance Company  
Performing Arts 90: Choreography

### Mathematical Understanding

Mathematics 3: Finite Mathematics  
Mathematics 4: Introduction to Probability and Statistics  
Mathematics 10: The Art and Practice of Mathematics  
Mathematics 14: Calculus with Elementary Functions II  
Mathematics 27: Calculus I  
Mathematics 101: Fundamental Math Concepts II

### Scientific Understanding

Biology 10/11: Introduction to Biology  
Biology 50/51: General Biology  
Biology 88/89: Biology of Women  
Chemistry 8/9: General Chemistry I  
EES 40/41: Geology and the Earth  
EES 50/51: Earth and Life through Time  
EES 75/76: Wetlands  
EES 92/93: Introduction to Environmental Science  
Physics 1/2: Introduction to Physics I  
Physics 40/41: Revolutions in Science  
Physics 90/91: Introduction to Astronomy

### Social Historical Cultural Understanding

Anthropology 1: Intro to Social and Cultural Anthropology  
Anthropology 5: Intro to Archaeology  
Economics 3: Principles of Micro-Economics  
Economics 4: Principles of Macro-Economics  
History 1: World History to 1500  
History 2: World History 1500 to present  
History 4: History of Western Civilization to 1500  
History 5: History of Western Civilization 1500 to Present  
History 17: History of the United States to 1877  
History 18: History of the United States since 1877  
History 136: Immigration and Ethnic Relations in American History  
History 138: The Development of Modern American Culture  
History 141: African-American History: 1865 to the Present  
History 142: History of California  
History 152: Revolution in Latin America  
History 155: Latin American Environmental History  
Politics 1: Introduction to Comparative Politics  
Psychology 1: Introduction to Personality-Social Psychology  
Psychology 150: Personality Psychology  
Psychology 160: Social Psychology  
Sociology 2: Introduction to Sociology  
Sociology 4: Social Problems

SIMS 15: American Culture and Civilization  
Women's and Gender Studies 1: Intro to Women's Studies

### Theological Understanding (Christian Foundations)

Theology & Religious Studies 97: The Bible and Its Interpretation

### Theological Understanding (Theological Explorations)

Philosophy 110: Philosophy of Religion  
Philosophy 130: Ethics  
Theology & Religious Studies 101: Origins of Christianity  
Theology & Religious Studies 102: Medieval Christianity  
Theology & Religious Studies 103: Reformations  
Theology & Religious Studies 114: Gospel of Mark  
Theology & Religious Studies 115: Jesus and His Teachings  
Theology & Religious Studies 117: Wealth and Poverty in the Bible  
Theology & Religious Studies 119: Apocalypse and Eschatology  
Theology & Religious Studies 122: Jesus: The Person and The Myth  
Theology & Religious Studies 123: Sex and the Spirit  
Theology & Religious Studies 126: Theology of Creation  
Theology & Religious Studies 134: The Catholic Imagination  
Theology & Religious Studies 141: Christian Ethics  
Theology & Religious Studies 142: Medical Ethics  
Theology & Religious Studies 151: Judaism  
Theology & Religious Studies 163: Saints Yesterday and Today  
Theology & Religious Studies 164: Dante and the Divine Comedy  
Theology & Religious Studies 165: Spiritual Not Religious  
Theology & Religious Studies 166: Spirituality in Practice: Catholics in America  
Theology & Religious Studies 167: Seeing Salvation: Christian Art and Architecture  
Theology & Religious Studies 171: Gender and Religion in American Culture

### ENGAGING THE WORLD

#### American Diversity

English 23: American Voices  
English 153: American Ethnic Writers and Oral Traditions  
Ethnic Studies 1: Introduction to Ethnic Studies  
Ethnic Studies 50: Creating Community  
Ethnic Studies 135: Youth Cultures, Identities and New Ethnicities  
History 138: The Development of Modern American Culture  
History 17: History of the United States to 1877  
History 18: History of the United States since 1877  
History 136: Immigration and Ethnic Relations in American History

## Program of Study for New Students – Fall 2013 entrance with 17 or fewer credits

History 138: The Development of Modern American Culture  
History 141: African-American History: 1865 to the Present  
History 142: History of California  
Liberal and Civic Studies 21: Culture and Civic Responsibility  
Psychology 8: African-American Psychology  
Psychology 165: Cross-Cultural Psychology  
Sociology 2: Introduction to Sociology  
Sociology 4: Social Problems  
SIMS15: American Culture and Civilization  
Theology & Religious Studies 117: Wealth and Poverty in the Bible  
Theology & Religious Studies 166: Spirituality in Practice: Catholics in America  
Theology & Religious Studies 171: Gender and Religion in American Culture

### The Common Good

EES 92/93: Introduction to Environmental Science  
Ethnic Studies 1: Introduction to Ethnic Studies  
Ethnic Studies 50: Creating Community  
History 152: Revolution in Latin America  
Liberal and Civic Studies 21: Culture and Civic Responsibility  
Liberal and Civic Studies 122: Environmental Responsibility in a Global Community  
Liberal and Civic Studies 123: Modern Global Issues  
Philosophy 10: Plato and Philosophical Inquiry  
Philosophy 11: Aristotle and Philosophical Method  
Philosophy 130: Ethics  
Politics 1: Introduction to Comparative Politics  
Politics 115: Theories of Justice  
Politics 126/127: Food Politics  
Sociology 4: Social Problems  
Theology & Religious Studies 117: Wealth and Poverty in the Bible  
Women's and Gender Studies 1: Intro to Women's Studies

### Community Engagement

Italian 4: Continuing Intermediate Italian  
Liberal and Civic Studies 21: Culture and Civic Responsibility  
Liberal and Civic Studies 122: Environmental Responsibility in a Global Community  
Liberal and Civic Studies 127: Praxis–Engaged Community Service  
Liberal and Civic Studies 129: Praxis–Education Community Service  
Performing Arts 50: Interactive Theatre  
Politics 110: Minority Politics  
Politics 126/127: Food Politics  
Politics 140: Gender Politics  
Psychology 157: Human Sexuality  
Psychology 165: Cross-Cultural Psychology

### Global Perspectives

Anthropology 1: Intro to Social and Cultural Anthropology  
Anthropology 5: Introduction to Archaeology  
Art History 2: Survey of World Art: Africa, Asia and the Americas  
BusAd 10: Global Perspectives in Business and Society  
French 10: Conversation-Composition  
History 1: World History to 1500  
History 2: World History 1500 to Present  
History 152: Revolution in Latin America  
History 155: Latin American Environmental History  
Liberal and Civic Studies: 123 Modern Global Issues  
Spanish 10: Conversation-Composition  
Spanish 11: Introduction to Literature  
Spanish 140: Latin American Literature I  
Spanish 141: Latin American Literature II

### Language Proficiency Requirement

French 3: Intermediate French  
German 3: Intermediate German  
Italian 3: Intermediate Italian  
Japanese 3: Intermediate Japanese  
Mandarin 3: Intermediate Mandarin  
Spanish 3: Intermediate Spanish



## ***Pre-2012 Program of Study*** for students who entered prior to Fall 2012

For students who entered prior to Fall 2012, or who have entered since Fall 2012 with a sufficient number of credit. See the Office of the Registrar for a determination of individual cases.

All undergraduates pursue an educational experience that consists of two interlocking components: general education requirements and a major field of study.

### **CURRICULAR GOALS**

The undergraduate students at Saint Mary's College face the challenge of choosing a suitable sequence of courses—their personal curriculum—from the various sets of undergraduate courses offered by the College. The choices made can be deeply personal and have profound consequences for the life of each individual student. Every student can be confident that any course of study the College offers is guided by and consistent with the College mission statement.

The spirit of the liberal arts, especially in the practice of genuine inquiry, initiates students into the examined life and enables them to contribute meaningfully to com-

munity life. Each curriculum gives the student access to the results of inquiry, engages the student in particular methods of inquiry, and strengthens the student's own powers of inquiry.

### **SUBSTANTIVE GOALS**

The curriculum offers students the serious pursuit of knowledge of God, the natural world, self and others, life and love, political and moral order, goods and values, culture and cultures, art, history, and knowledge concerning knowledge itself. The graduate will have also explored and weighed the ethical and religious claims of Jewish and Christian scriptures, or the insights of Roman Catholic theology or church history, or contributions to human spirituality from diverse persons and peoples.

### **DISCIPLINARY GOALS**

The curriculum requires that students demonstrate:

- Growing mastery of a theoretical or a practitioner's way of understanding the world
- Experience with a wide range of academic disciplines
- Increased sophistication in thinking from multiple disciplinary perspectives

## Pre-2012 Program of Study for students who entered prior to Fall 2012

### INSTRUMENTAL GOALS

The curriculum challenges students to demonstrate the ability to:

- Define concepts, distinguish ideas, reason inferentially, detect and critique fallacy, appreciate and evaluate analogy
- Accurately understand diverse genres of spoken and written English, speak clearly and persuasively, and write effective, grammatical English prose
- Engage in meaningful communication in a language other than English
- Generate correct, rule-governed calculations, and follow sequential mathematical reasoning concerning quantity and pattern
- Empathetically appreciate productions or the ways of life of diverse world cultures
- Carry out relevant observations, identifications, categorizations and measurements to test or illustrate a theory accounting for select physical phenomena
- Access, evaluate and appropriately use sources of information
- Employ relevant academic and professional technology for modeling and manipulating data, finding correlations and predicting outcomes
- Recognize the influence of culture, language, and history on thought and ways of thinking
- Cooperate in the collaborative learning of a truth-seeking and knowledge-making community

In order to assure that these goals—and thus student needs—are met, the College carefully assesses new programs and courses and regularly reviews existing major departments and programs.

### I. GENERAL EDUCATION REQUIREMENT

The general education requirement, a broad introduction to a diversity of academic areas, consists of 12 courses from three specified groups: religious studies (two courses), Collegiate Seminar (four courses), and area requirements (six courses). Additionally, all students participate in the January Term, a one-month course outside of their major discipline that provides opportunities for students and allows for an intensive pursuit of an area of interest. All students, at some point in their program, normally take two courses from the Department of Religious Studies. Freshmen must take one Collegiate Seminar in both the fall and spring terms. Transfer students ordinarily complete at least one Collegiate Seminar for each year of attendance, and must complete at least one course in Religious Studies. Students normally take one January Term for each year of study. The Area requirements seek to provide students with academic experience in the areas of the humanities, empirical science, and social science. On the principle that study of a foreign language provides an introduction to other ways of thinking and conceiving of the world and facilitates communication with people of other cultures, Saint Mary's has established a language proficiency requirement which provides that students must demonstrate a proficiency in a second language which is equivalent to that achieved by completion of three

terms of college-level second language study. Recognizing also the need to enhance awareness of the increasing importance of the global community, Saint Mary's College has established a diversity requirement that stipulates the completion of one course devoted to the study of the history, traditions and/or culture of peoples of non-European origin.

#### 1. Collegiate Seminar: Four courses.

All students must take the Collegiate Seminars in chronological order: one freshman seminar in both fall and spring terms; one additional seminar in sophomore year, fall or spring term; one additional seminar in junior year, fall or spring term, regardless of ultimate graduation plans. For transfer students the seminar requirement is determined at entrance and normally amounts to one seminar for each year or partial year of attendance at Saint Mary's College. Transfer students are assigned to **Seminar 110**. International students whose native language is not English take the first Collegiate Seminar (110) in their sophomore year and then (sophomore or junior year) **Seminar 122**. Seminar courses **144** and **145**, if taken beyond the Collegiate Seminar requirement, apply towards the Area A requirement.

**2. Theology and Religious Studies:** Students must complete two courses in theology and religious studies. Please note that **TRS 97** or its equivalent is a prerequisite to all upper-division classes in Theology and Religious Studies. The College ordinarily waives one religious studies course for students who transfer with 16+ course credits. Students may apply Theology and Religious Studies courses beyond those required to their Area A (Humanities) requirement.

**3. Area Requirements:** Six courses. All students must take two courses in Area A and two courses in Area C. One course must be taken in Area B Mathematics, and one course in Area B Science. Most courses in the disciplines of A, B and C fulfill the area requirement, including courses required for a minor field of study. Courses that do not fulfill an area requirement are:

1. Those taken to complete other general education requirements
2. Practice-oriented, studio, activity or other specified department courses that are so indicated in this catalog
3. Any course in the major field of study. (However, courses required for the major that are in a related field may fulfill an area requirement. Students whose major field of study is in Area B complete the Area B requirement by fulfilling the major requirements.) Students pursuing alternative plan majors should consult their advisor regarding the satisfaction of area requirements with courses in the major plan of study. Area requirements for transfer students are determined for them at entrance and generally amount to no more than one course for each term of enrollment at Saint Mary's College.



## Pre-2012 Program of Study for students who entered prior to Fall 2012

**Area A — Humanities** (*two courses*) Art History and non-studio courses only; Communication; English; Languages (Classical and Modern); Performing Arts; Philosophy; Theology and Religious Studies

**Area B — Mathematics** (*one course*) Mathematics; Computer Science

**Area B — Science** (*one lab course*) Biology; Chemistry; Environmental and Earth Sciences; Physics and Astronomy

**Area C — Social Sciences** (*two courses*) Anthropology; Economics; Ethnic Studies\*; History; Politics; Psychology; Sociology; Women's and Gender Studies\*

\*The default designation for Ethnic Studies (ES) and Women's and Gender Studies (WGS) courses is Area C. Only **WGS 001**, **100** and **177**, and **ES 001** are eligible to be petitioned for Area A credit. All other courses are designated with the area of the cross-listed home department.

**4. Written English Requirement:** At least two courses. **English 4, Composition**, and **English 5, Argument and Research**, usually taken consecutively in the first year of attendance, constitute the English composition requirement. **English 4** is prerequisite to **English 5**. For some students, **English 3, Practice in Writing**, will be prerequisite to **English 4**.

Students identified as native English speakers (those who have completed all of their secondary school education in the United States or in English-speaking educational systems outside the U.S.) will be placed in **English 3, 4**, or **5** based on entrance examination scores.

Placement	SAT Critical Reading AND Writing	AP Language OR Literature	IB English 1A Exam
<b>English 3, Practice in Writing</b>	Below 450	n/a	n/a
<b>English 4, Composition</b>	450–650	3	Below 5
<b>English 5, Argument and Research (Exempt from 4)</b>	660 and above	4 or 5	5 or above (on Higher Level)

Students who wish to challenge their automatic placement may take an optional Writing Placement Exam by arrangement with the composition director. (This exam must be taken prior to Orientation. Contact Professor Lisa Manter [Imanter@stmarys-ca.edu](mailto:Imanter@stmarys-ca.edu).)

The English composition requirement for non-native speakers of English is the same as that for native English speakers with the additional requirement of the SIMS (Studies for International and Multilingual Students) Writing Lab, a quarter credit lab to be taken in conjunction with each standard composition course.

All non-native English-speaking students, both freshmen and transfer, regardless of visa status, must take the Writing Placement exam (offered during the summer for fall enrollees and just before the spring term for spring enrollees). The results of this exam will determine a student's placement in Composition and the corresponding SIMS Writing Lab. As a result of the Writing Placement exam, some students may be placed in **English 3, Practice in Writing**, which is a prerequisite for **English 4**. Students placed in the SIMS Writing Lab must complete the full series of corresponding labs as part of their composition requirement.

**5. American Culture and Civilization (SIMS 15):** Required for all international students who did not complete their entire secondary education in the United States. This requirement is to be satisfied during the first term of enrollment at the College. This course may be waived by the SIMS Faculty Committee for transfer students who enter with junior standing.

**6. Language Proficiency Requirement:** All students must demonstrate intermediate level of foreign language proficiency. The College offers courses in French, German, Italian, Japanese, Mandarin, Spanish, Latin and Greek. Students may also demonstrate proficiency in a language different from the above, including American Sign Language, by arranging a proficiency examination directly with the Placement and Proficiency Coordinator in the Department of Modern Languages.

The language requirement may be satisfied in one of the following ways:

- Successfully completing level 003 of any foreign or classic language taught at Saint Mary's;
- Completing three years of the same language in high school with a GPA of 3.0 (B) or higher;
- Scoring at least a 3 on the College Board Advanced Placement (AP) Exam in a second language;
- or Achieving a TOEFL score of 527 on the paper-based test or 71 on the internet-based test (for International Students who are non-native speakers of English).

We strongly recommend that students complete the language requirement by the end of the sophomore year.

The Department of Modern Languages does not accept online courses to count towards lower division coursework or as a way to satisfy the proficiency requirement.

Students take a placement exam to determine the most suitable language course. The Department of Modern Languages offers online placement exams for Spanish and French. For placement in all other languages, students must contact the Placement and Proficiency Coordinator. Students may only take the online placement exam once during each academic year. Results are valid for one year. For any questions regarding placement, please contact the Placement and Proficiency Coordinator.

## Pre-2012 Program of Study for students who entered prior to Fall 2012

Achieving a high score on the placement exam does not satisfy the language requirement. Students who place in level 004 or higher are required to take a proficiency exam to verify oral and written proficiency. For questions, please contact the Placement and Proficiency Coordinator.

Students who have taken the AP exam in language and scored a 3 receive course credit for level 3. With a score of 4 on the AP exam, students receive credit for courses level 3 and level 4. With a score of 5 on the AP exam, students receive credit for courses level 4 and 9 or 10. Native speakers of Spanish who did not take the AP language exam are required to take **Spanish 9**. For those students who have taken the AP exam in literature, please consult the Placement and Proficiency Coordinator in the Department of Modern Languages for appropriate placement.

**7. Diversity Requirement:** Students shall complete one course focused on the history, traditions, and/or culture(s) of a people or peoples of non-European origin. A course taken to fulfill this requirement may also satisfy an area, major or minor, or general education requirement. In special circumstances where there is no other alternative available, a student may petition through the Registrar's Office to have a January Term course satisfy the requirement. Approval of the petition is subject to the evaluation of the January Term director. A list of courses that routinely satisfy the requirement is available from the Registrar's Office and in this catalog, p. 63–64. Additional courses in a given semester may have content appropriate to the requirement. Students may petition through the Registrar to have such a course satisfy the requirement.

**8. One January Term course for each year of full-time attendance:** Students may only enroll in one full credit course and one .25 credit course during the January Term. (Part-time students are encouraged to take January Term courses. Any part-time student who wishes to be excused from this requirement must petition the Vice Provost for Undergraduate Academics to do so.)

9. 17 upper-division courses.

## II. MAJOR FIELD OF STUDY

Defined as a group of coordinated courses ordinarily including at least two preparatory courses at the lower-division level and at least eight courses at the upper-division level. Certain majors may require additional background course work in related fields. The regular major groups available to students in the various curricula of the College are listed elsewhere in this catalog. A student may declare or change majors on the appropriate petition form available in the Registrar's Office. A student graduating with a double major will receive only one degree even if the majors are in two different schools.

Students choose a major field of study, an in-depth concentration in a specific academic area, and elective courses according to their interests. Those who have not determined a program or major field of study at entry are encouraged to take introductory courses in various fields and to settle on a major field of study only as their interests develop a sharper focus. Ordinarily, students must declare their major field of study by the beginning of their junior year.

### ALTERNATIVE MAJORS

The College offers the option of an alternative major program of study, including a Split Major, an Interdisciplinary Major, an Individualized Major, or completion of comprehensive alternative programs. Information on the alternative comprehensive programs can be found in the Curriculum Section under these headings: Integral Program, Liberal & Civic Studies Program, Pre-Professional Curricula, 3 + 2 Engineering Program, and 2 + 2 Nursing Program.

- **SPLIT MAJORS** Combines work in two departments, must be approved by the chairs of the departments concerned and by the Registrar. Such majors ordinarily comprise nine upper-division courses (six courses in one field and three in another), in addition to the lower-division prerequisites of both departments.
- **INTERDISCIPLINARY MAJOR** Includes the following: international area studies major, e.g., European studies; Latin American studies, student-directed studies (see director of International Area Studies); American studies (see chair, Department of History); allied health science major (see Health Science advisor, School of Science); health and human performance major (see chair, Department of Kinesiology); cross-cultural studies major (see dean, School of Liberal Arts).
- **INDIVIDUALIZED MAJOR** A student who believes that his/her academic needs and purposes would be better served by a distinctive program of studies may present an individualized major plan. Besides fulfilling requirements for a major, this plan must satisfactorily lead the student toward the goal of liberal education which the College sees as essential for all of its graduates. Students wishing to pursue an individualized major must submit their proposal to the Registrar and the Chair of the Undergraduate Educational Policies Committee for approval. The guidelines for the proposal can be found online through the Registrar's Office.

## **Pre-2012 Program of Study for students who entered prior to Fall 2012**

### **DOUBLE MAJOR**

A student is allowed to double major. To do so, all of the requirements for both majors must be completed unless the chair of either major program approves alterations for that student. Some individual majors may require so many courses that it is not usually possible to complete that major and another full major. It is up to the student to arrange how courses are taken, including possible summer coursework, so as to complete all requirements. A student who double majors receives only one degree in one school, even if the second major is in another school. The diploma will carry the name of the degree chosen by the student from the two completed; the transcript will indicate two majors were completed.

### **MINOR FIELD OF STUDY**

The College offers the option of a minor field of study, defined as a combination of at least five courses from a discipline other than that of the major field, at least three of which must be upper division.



## ***Pre-2012 Program of Study*** **Diversity Requirement Courses**

Students may satisfy the Diversity Requirement by taking one course from the list of approved courses on the following page; other courses, depending on content, may satisfy the requirement but require a petition.

Students who complete the four-year curriculum in the Integral Program or in the Liberal and Civic Studies Program satisfy the requirement without additional coursework. Students who withdraw from either program should consult their advisor about the requirement.

## Diversity Requirement Courses

### APPROVED DIVERSITY COURSES

AH 025 Survey of Asian Art  
Anthropology 001 Introduction to Social and Cultural Anthropology  
Anthropology 111 Kinship, Marriage and Family  
Anthropology 112 Race and Ethnicity  
Anthropology 113 Childhood and Society  
Anthropology 117 Religion, Ritual, Magic and Healing  
Anthropology 119 Native American Cultures  
Anthropology 121 World Cultures  
Anthropology 123 Ethnic Groups in the United States  
Anthropology 129 Prehistoric Archaeology: Ancient Cultures  
Csem 144 Multicultural Thought  
Csem 145 World Traditions  
Eng 153 American Ethnic Writers and Oral Traditions  
Eng 154 Studies in African American Literature  
Hist 001 World History  
Hist 140 African American History: 1619–1865  
Hist 141 African American History: 1865–present  
Hist 153 Latin America: Race and Society  
Hist 161 Modern Japan  
Hist 162 Modern China  
Hist 171 African History to 1850  
Hist 172 African History since 1850  
Japan 001 Elementary Japanese  
Japan 002 Continuing Elementary Japanese  
Japan 003 Intermediate Japanese  
Japan 004 Continuing Intermediate Japanese  
Fren 129 French Literature outside Europe  
Span 140 Latin American Literature I  
Span 141 Latin American Literature II  
Span 143 Contemporary Latin American Literature  
Span 145 Mexican Literature  
Span 150 Chicano/Chicana Literature  
Span 161 Culture and Civilization of Latin America  
Span 162 Culture and Civilization of Mexico  
Perfa 014 World Music and Dance  
Perfa 113 Jazz and Blues in America  
Perfa 130 Foundations of Theatre II: Multicultural Theatre  
Pol 110 Minority Politics  
Pol 143 Government and Politics in the Middle East  
Pol 144 Government and Politics in Asia  
Pol 145 Government and Politics in Latin America  
Psych 008 African American Psychology  
Psych 012 Special Topics: Afro-American Psychology and the Law and Psychology of the Black Family and the Law  
Psych 165 Cross-cultural Psychology  
Sociology 116 New Immigrants and Refugees  
TRS 152 Islam: Beliefs and Practices  
TRS 153 Eastern Religions  
TRS 154 Hinduism  
TRS 155 Buddhism  
TRS 156 Religions of India

### DIVERSITY REQUIREMENT BY PETITION

In addition to the courses which automatically satisfy the requirement, the following courses may sometimes satisfy the Diversity Requirement, depending on the content of the course in a given semester. Students who wish to apply one of these courses (or any other course not listed on this page) to satisfy the Diversity Requirement must do so through a petition to the Registrar's Office and permission of the chair of the department in which the course is housed.

Anthropology 125 Gender and Culture  
Anthropology 135 Special Topics  
BusAd 180 International Business  
Econ 160 Comparative Economic Systems  
Eng 023 American Voices  
Eng 105 Children's Literature  
Eng 119 Contemporary Literature  
Eng 130 Single Author  
Eng 126 Film: Topics  
Eng 163 The Other English Literature  
Eng 171 Literary Movements  
Eng 173 Women Writers  
Eng 183 Topics in Drama  
Eng 185 Individual Dramatist  
Hist 150 Topics in Latin American History  
Hist 170 Problems and Issues in African History  
Fren 130 Thematic Study of Single Genre  
Fren 131 Exploration of a Particular Period  
Sociology 120 Social Movements and Change  
Sociology 125 Gender and Culture  
Sociology 135 Special Topics  
Span 130 Special Study  
Span 131 Exploration of a Particular Period  
Perfa 136 Theatre: Special Topics  
Pol 149 Topics in Comparative Politics  
TRS 150 Topics in World Religion  
TRS 160 Topics in Religion and Culture  
WGS 100 Research Seminar





## ***Curriculum***

Any course listed in this catalog with a prerequisite assumes a grade of C– or better in the prerequisite course, unless specified otherwise by the department or program in its course listings.

Courses numbered 1 to 99 are lower-division; courses numbered 100 to 199 are upper-division; courses numbered 200 to 599 are graduate. Course numbers which are hyphenated (e.g., Accounting 160–161) indicate that the course is continued from the previous term, and that the first part is normally prerequisite to the second part. Credit is given for each part.

If a course is a practice-oriented, studio, or activity course, or for other reasons is not acceptable as a course which fulfills an Area requirement, it is marked: \*Does not satisfy an Area requirement.

Final information concerning course offerings and class schedules will be issued at the time of registration for each term. January Term courses are listed separately in a special catalog published each fall. The College reserves the right to cancel any course for enrollment or administrative purposes.

## ACCOUNTING

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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 department considers the economic consequences of accounting rules and pronouncements. In all accounting courses, it also seeks 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, we offer a Master of Science (MS) in Accounting degree program.

### FACULTY

Gregory Merrill, Ph.D., C.P.A., *Assistant Professor, Chair*  
Cathy Finger, Ph.D., *Assistant Professor*  
Yi-Ching Kao, Ph.D., *Assistant Professor*  
Wares Karim, Ph.D., *Associate Professor*  
Joseph Lupino, M.B.A., C.P.A., *Associate Professor*  
Virginia G. Smith, M.B.A., M.S., C.P.A., *Adjunct*  
Suneel Udpa, Ph.D., *Professor*

### 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 department chair 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 (**ACCT 195**) course.

### MAJOR REQUIREMENTS

#### BUSINESS CORE AND COURSES IN ACCOUNTING

##### LOWER DIVISION

Acct 1 Financial Accounting  
Acct 2 Managerial Accounting  
Econ 3 Principles of Microeconomics  
Econ 4 Principles of Macroeconomics  
BusAd 40 Business Statistics or  
Math 4 Introduction to Probability and Statistics

##### UPPER DIVISION

BusAd 120 Law and Business  
BusAd 123 Financial Management  
BusAd 124 Marketing  
BusAd 131 Managing and Leading Organizations  
BusAd 132 Global Operations Management  
BusAd 140 Strategic Management  
BusAd 181 Business Ethics and Social Responsibility

Acct 160 Intermediate Accounting 1  
Acct 160L Lab#1: Editing and Introduction to Speaking  
Acct 161 Intermediate Accounting 2  
Acct 162 Advanced Accounting  
Acct 162L Lab#3: Argument  
Acct 164 Auditing  
Acct 164L Lab#4: Oral Presentation  
Acct 168 Tax Accounting  
Acct 168L Lab#2 Informative Writing and Speaking  
Acct 191 Accounting Information Systems

Students may not transfer more than two upper-division accounting courses from another institution for credit in the accounting major (or 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: **Accounting 1 and 2, Economics 3 and 4, Intermediate Accounting 160 and 161**, and two additional upper-division accounting courses.

**PREREQUISITE GRADE**

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

**SUGGESTED SEQUENCE OF BUSINESS AND ACCOUNTING COURSES FOR STUDENTS WHO BEGIN THE MAJOR IN THEIR FRESHMAN YEAR**

	FALL TERM	SPRING TERM
FRESHMAN YEAR	Economics 3 Accounting 1	Economics 4 Accounting 2
SOPHOMORE YEAR	Bus Ad 40 Accounting 160 Accounting 160L	Accounting 161 Bus Ad 124 Bus Ad 131
JUNIOR YEAR	Accounting 162 Accounting 162L Bus Ad 120 Bus Ad 123	Accounting 168 Accounting 168L Bus Ad 132
SENIOR YEAR	Accounting 191 Bus Ad 181	Accounting 164 Accounting 164L Bus Ad 140

**SUGGESTED SEQUENCING OF BUSINESS AND ACCOUNTING COURSES FOR STUDENTS WHO BEGIN THE MAJOR IN THEIR SOPHOMORE YEAR**

	FALL TERM	SPRING TERM
FRESHMAN YEAR		
SOPHOMORE YEAR	Economics 3 Accounting 1	Economics 4 Accounting 2 Bus Ad 131
JUNIOR YEAR	Accounting 160 Accounting 160L Bus Ad 40 Bus Ad 124	Accounting 161 Accounting 168 Accounting 168L Bus Ad 123
SENIOR YEAR	Accounting 162 Accounting 162L Accounting 191 Bus Ad 132 Bus Ad 181	Accounting 164 Accounting 164L Bus Ad 120 Bus Ad 140

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### C O U R S E S

Most courses are offered one term per year. It is the responsibility of the student to ensure that he/she takes all required courses in the term in which they are offered.

#### LOWER DIVISION

##### 1 Financial Accounting

This course introduces students to the basic structure of financial accounting. Topics include the accounting model, the adjustment process, accounting for elements of the income statement and balance sheet, statement of cash flows and interpretations of financial statements. The course presents both a preparer's as well as a user's perspective. (Fall, Spring)

##### 2 Managerial Accounting

Focus is on understanding costs and cost behavior and the use of cost information for planning, evaluation and control decisions. Students learn how a business manager uses management accounting information to solve problems and manage activities within an organization. *Prerequisite: Accounting 1. (Fall, Spring)*

#### UPPER DIVISION

##### 160 Intermediate Accounting 1

The first in a two-course series in intermediate financial accounting, designed to deepen the students' understanding of financial reporting practices and principles. The topical coverage includes an in-depth treatment of the elements of the income statement and the asset section of the balance sheet. Attention is given to examples of current reporting practices and to the study of the reporting requirements promulgated by the Financial Accounting Standards Board. *Prerequisite: Accounting 1. (Fall)*

##### 160L Lab #1: Editing and Introduction to Speaking (must be taken concurrently with ACCTG 160)

This lab exposes students to the type of writing expected in their profession and introduces them to professional speaking standards.

##### 161 Intermediate Accounting 2

The second course in a two-course series in intermediate financial accounting. The topical coverage includes an in-depth analysis of stockholder's equity, earnings per share calculations, investments, the revenue recognition principle and accounting for income taxes. *Prerequisite: Accounting 160. (Spring)*

##### 162 Advanced Accounting

The first part of this course covers four topics from Intermediate Accounting: Pensions, Leases, Accounting Changes and Errors and Statement of Cash Flows. The second part of this course covers the equity method of accounting for investments in common stock, business combinations and consolidated financial statements. The course begins with the basic understanding of the different types of business combinations and the different methods of accounting. It then builds on this conceptual foundation and adds complexities commonly encountered in practice as the course proceeds. *Prerequisite: Accounting 161. (Fall)*

##### 162L Lab #3: Argument (must be taken concurrently with ACCTG 162)

This lab will introduce students to formal argument necessary in accounting policy formulation.

##### 164 Auditing

This course integrates the theory and practice of auditing. Special emphasis is given to current issues facing the profession. Includes coverage of professional standards, ethics, evaluation of internal control, consideration of risk, gathering of audit evidence, sampling, consideration of fraud factors, EDP auditing, liability issues and overview of other assurance services. Includes a case study. *Prerequisites: Accounting 161 and 191. Senior standing. (Spring)*

##### 164L Lab #4: Oral Presentation (must be taken concurrently with ACCTG 164)

In this lab, students will learn and apply professional oral presentation skills.

##### 168 Tax Accounting

Examines current federal taxation related to individuals. The topics covered include determination of individual income tax liability, gross income inclusions and exclusions, capital gains and losses, deductions and losses, losses and bad debts, depreciation and property transactions. A research report, an oral presentation and a computer project are required. *Prerequisite: Accounting 1. (Spring)*

##### 168L Lab #2: Informative Writing and Speaking (must be taken concurrently with ACCTG 168)

In this lab, students will apply editing and organizational skills to the types of communication expected of accounting professionals.

### **170 Selected Issues in Accounting**

In this seminar-type class students read and discuss authoritative pronouncements from the Financial Accounting Standards Board, releases from the American Institute of Certified Public Accountants and the California Society of CPAs, as well as current newspaper and journal articles. A variety of current issues related to accounting standards and professional employment in accounting are discussed, such as emerging international accounting standards, ethical issues, forensic accounting, peer review, fraud managed earnings, market reaction to accounting information, corporate governance and new developments at the SEC. *Prerequisite: Accounting 168. (Spring)*

### **191 Accounting Information Systems**

Examines the communication, information and networking technologies used by companies with a focus on accounting and financial systems. In addition, contemporary information technology issues are discussed, such as file processing, data-management concepts, LAN technology and system design, implementation, operation and control. Students are exposed to spreadsheet programs, database and accounting package software using cases and examples. *Prerequisite: Accounting 161. (Fall)*

### **195 Internship**

Work-study program conducted in an appropriate internship position under the supervision of a faculty member. *Permission of instructor and department chair required.*

### **197 Independent Study**

This course allows students to study accounting topics of interest to them on an individual basis. *Permission of instructor and department chair required.*



## ALLIED HEALTH SCIENCE

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The School of Science offers an interdisciplinary major in allied health science. This program provides a solid foundation in natural science and human biology. The Allied Health Science major is appropriate for students who intend to pursue graduate programs in physical therapy, occupational therapy, optometry, physician assistant, and public health, as well as other health careers requiring a science background. The student must meet with the Allied Health Advisor on admission to the College to design a course of study that will meet his/her individual needs and interests.

### LEARNING OUTCOMES

When students have completed the allied health science major, they will be able to:

- Pursue graduate study in physical, occupational therapy, physician assistant, optometry, public health, chiropractic medicine, speech pathology and audiology, post-baccalaureate nursing programs, nutrition and other health professions programs. As many schools differ, some additional coursework may be required.
- Enter careers in the health professions that require post-graduate certificate studies, such as radiology technician, medical assistant, dental hygienist, and science laboratory research assistant.

### MAJOR REQUIREMENTS

The Allied Health Science major comprises 18 lower- and upper-division courses, many with corresponding laboratories, as detailed below. In order to officially declare an Allied Health Science major, a student must have completed **Chemistry 8** and **9** with a C– or better, have completed (with a C– or better) or be enrolled in **Chemistry 10** and **11**, and obtain approval of the Allied Health Advisor. In order to finish an Allied Health Science major within four years, students should complete **Chemistry 10** and **11** prior to the beginning of their sophomore year.

### LOWER DIVISION

**Chemistry 8 & 9** (laboratory)

**Chemistry 10 & 11** (laboratory)

**Mathematics 27**

**Mathematics 28, 38, or 4**

**Biology 1 & 1L** (laboratory)

**Biology 2 & 2L** (laboratory)

**Biology 15 & 16** (laboratory)

**Biology 25 & 26** (laboratory) or **Biology 127** (requires a two semester organic chemistry prerequisite)

**Physics 10 & 10L** (laboratory)

**Physics 11 & 11L** (laboratory)

**Psychology 1**

### UPPER DIVISION

In addition, a minimum of seven upper-division courses is to be taken from biology, psychology, kinesiology (at least two from each of these departments) and chemistry. The selection of upper-division courses for this major must be chosen in consultation with the Allied Health Advisor. *Note that additional lower-division courses may be required as prerequisites for some upper-division course choices.*

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## C O U R S E S

For a description of the courses, please see the corresponding Catalog pages of these programs: Biology, Chemistry, Kinesiology, Mathematics, Physics, and Psychology.

## ANTHROPOLOGY

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Anthropology studies human life in a comparative, cross-cultural, holistic 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. Originally, the focus was on nonliterate peoples of the past and present, but anthropological theories and methods are increasing applied to the populations of literate, complex societies. 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 education, medicine, business, 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 archaeological 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 encouraged to 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 MILLS COLLEGE, THE UNIVERSITY OF CALIFORNIA, BERKELEY, AND CALIFORNIA STATE UNIVERSITY EAST BAY.**

### FACULTY

Jennifer Heung, Ph.D., *Associate Professor, Chair*

Janes Allan, Ph.D., *Lecturer*

Dana Herrera, Ph.D., *Associate Professor*

Lynn M. Meisch, Ph.D., *Professor*

Paola Sensi-Isolani, Ph.D., *Professor*

Cynthia Van Gilder, Ph.D., *Associate 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.

## Curriculum Anthropology

### MAJOR REQUIREMENTS

The anthropology major comprises 13 lower- and upper-division courses. Students are exposed to all four of the traditional sub-disciplines of anthropology while having the choice of majoring in anthropology or anthropology with an archaeology concentration.

A grade of C– or higher is required for coursework to count toward the major or minor. In addition, the minimum acceptable grade is C for the capstone courses **Anthropology 130: Anthropological Theory** and **Anthropology 132: Research Methods**.

#### REQUIRED LOWER-DIVISION COURSES FOR ANTHROPOLOGY MAJOR (13 CREDITS TOTAL)

**Anth 001, Anth 005, Bio 007 Introduction to Biological Anthropology** (The course description is included in the School of Science Biology listings.)

#### REQUIRED UPPER-DIVISION COURSES FOR ANTHROPOLOGY MAJOR

**Anth 100, Anth 105, Anth 121, Anth 130, Anth 132** and five electives.

#### REQUIRED LOWER-DIVISION COURSES FOR ANTHROPOLOGY MAJOR WITH AN ARCHAEOLOGY CONCENTRATION (12.5 CREDITS TOTAL)

**Anth 001, Anth 005, Bio 007: Introduction to Biological Anthropology** (The course description is included in the School of Science Biology listings.), and two .25 credit **Anth 011 Conservation of Materials Archaeology** labs.

#### REQUIRED UPPER-DIVISION COURSES FOR ANTHROPOLOGY MAJOR WITH AN ARCHAEOLOGY CONCENTRATION

**Anth 100, Anth 105, Anth 121, Anth 127, Anth 129, Anth 130, Anth 132** and two electives.

### MINOR REQUIREMENTS

**REQUIRED LOWER-DIVISION COURSES FOR ANTHROPOLOGY MINOR (6.25 CREDITS TOTAL)**  
**Anth 001, Anth 005** or **Bio 007**

#### REQUIRED UPPER-DIVISION COURSES FOR ANTHROPOLOGY MINOR

**Anth 100, Anth 121** and two electives

#### REQUIRED LOWER-DIVISION COURSES FOR ARCHAEOLOGY MINOR (6.25 CREDITS TOTAL)

**Anth 001, Anth 005** or **Bio 007**, one .25 credit **Anth 011 Conservation of Archaeological Materials** labs

#### REQUIRED UPPER-DIVISION COURSES FOR ARCHAEOLOGY MINOR

**Anth 100, Anth 127, Anth 129** and one elective

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

## C O U R S E S

### LOWER DIVISION

#### 001 Introduction to Social and Cultural Anthropology

The course examines the nature of culture and the diversity of societies worldwide. It focuses on cultures in Asia, Oceania, Africa and the Americas, and introduces the beginning student to some of the main topics of anthropology including kinship, gender, the world system, fieldwork, magic and religion, race and ethnicity, social change and the political system of societies throughout the world. *Satisfies Social, Historical and Cultural Understanding and Global Perspectives of the Core Curriculum.*

#### 005 Introduction to Archaeology

Students are introduced to the ancient cultures of the world that existed before written records (i.e., prehistory). Cultures from every world area are studied, including the Aztec Empire, Mycenaean Greece, Mesopotamia, the Celts, and the Inca Empire. Additionally, students gain an understanding of the methods and theories of contemporary archaeology through lecture, discussion and hands-on activities. *Students are encouraged to enroll in Anth 011, but it is NOT required. Satisfies Social, Historical and Cultural Understanding and Global Perspectives of the Core Curriculum.*

#### 011 Conservation of Archeological Materials (.25)

Students work in our archaeology lab with various artifact collections. Students sort and catalogue, analyze various classes of artifacts to identify manufacturing techniques, temporal characteristics and cultural affiliations. Basic conservation methodology is also introduced.

### UPPER DIVISION

#### 100 Principles of Anthropology

This course provides majors with an introduction to the methods and theories of traditional American anthropology. It is an important transition course for majors who have completed their Lower-division requirements and are preparing for their theory and methods courses. The course will focus on research and writing as well as providing students with a basic history of the development of American anthropology. Students will become familiar with some of the major debates in the discipline. Students are strongly advised to take this course during their sophomore year. *Offered once a year. This course is limited to majors and minors.*

#### 105 Linguistic Anthropology

This course introduces students to the major areas of study in anthropological linguistics including ethnolinguistics, historical linguistics, descriptive linguistics and sociolinguistics. *Offered once a year.*

### 111 Kinship, Marriage and Family

For more than a century anthropological research has focused on households, kinship relations, childhood and families across cultures and through time. The anthropological record shows us that concepts such as “marriage,” “childhood” and “family” have been understood in radically different ways, and this course provides students with a historical and theoretical perspective on the anthropological study of kinship as it relates to different issues connected to the state of marriage, family and childhood throughout the world. *May be repeated for credit as content varies.*

### 112 Global Perspectives on Race

This course examines the theoretical underpinnings of “race” and “ethnicity” as culturally constructed models. Ethnographic case studies from a variety of international geopolitical regions, including the United States, supplement lectures on such topics as scientific racism and eugenics.

### 114 Urban Studies: The Culture of the City

By 2030, two out of three people will live in an urban world, with most of the explosive growth occurring in developing countries. Taking the city as a subject of investigation, students explore the historical conditions that brought about cities and the subsequent developments that have given us megacities. The course explores how the city functions as a site to negotiate cultural diversity and utopian ideals. Drawing from ethnographic cases throughout the developed and developing world, the course examines the complex structural and cultural forces that shape the lives of those who dwell in cities, and how urban culture is produced and reproduced under the influences of industrialization, colonialism and globalization.

### 117 Religion

This course examines religious beliefs and spirituality in global cultures. It takes a comparative approach to Western and non-Western beliefs, including spirituality, beliefs in the supernatural, religious specialists, rituals, faith healing, and the intersection of faith and socio-political forces in contemporary life. The exact focus of the course varies, with such topics as New Religious Movements and the Internet alternating with Religion, Ritual, Magic and Healing, and the Anthropology of Death. *May be repeated for credit as the content varies.*

### 118 Health and Illness

Medical anthropology explores the interaction between health, culture and disease, emphasizing the importance of understanding issues of health and sickness cross-culturally. Medical anthropologists also look at the roles of health care professionals, patients and medical settings addressing the relationships between health care systems and political and economic systems.

### 119 Cultures of the Americas

This course examines the traditional lifeways and contemporary social issues of different North, Central and South American ethnic groups. While addressing the past, the emphasis is on the contemporary period, with the course focusing on the social, cultural and historical experiences of different ethnic groups. Among the topics covered are assimilation and resistance, the social and political power structure, ethnic identity, family systems and cultural values, labor and migration, the role of religion, and status of women. *May be repeated for credit as content varies.*

### 120 Visual Anthropology

Film and photography are powerful media for the representation (or misrepresentation) of social and natural worlds. Because we live in an image-saturated society, this course aims to help students develop a critical awareness of how visual images affect us, and how they can be used and misused. The course examines photographic and cinematic representations of human lives with special emphasis on the documentary use of film and photography in anthropology. The course has historical, theoretical, ethical, and hands-on components, and students will learn to use photos, PowerPoint and video to produce a coherent and effective presentation.

### 121 World Cultures

Each World Culture course concentrates on the cultural, historical, political, religious and geographic factors that shape the lives of people living today in a particular region or country, for example, Central and South America, the Middle East, Asia and sub-Saharan Africa, Mesoamerica, Western Europe, India, China, Polynesia, the Philippines, etc. *May be repeated for credit as content varies.*

### 124 Museum Studies

Museum Studies is offered in cooperation with Saint Mary's Hearst Art Gallery and Museum, and as part of the Archaeology/Art and Art History split major. In this course students study the history of museums and the ethical issues involved in the collecting and exhibiting of cultural artifacts. The course gives students hands-on experience researching artifacts for inclusion in an exhibition, designing an exhibition at the Hearst Gallery, and designing and writing the explanatory wall text, posters and brochures for a show. Students also learn to serve as docents and to convey information about museum exhibitions to different audiences. Offered occasionally when an exhibition appropriate for student involvement is scheduled at the Hearst Art Gallery and Museum.

### 125 Gender and Culture

While sex is biological, gender refers to the set of cultural expectations assigned to males and females. This course takes a four-field anthropological approach to understanding gender, investigating such topics as third and fourth gender diversity, gender among non-human primates, gender roles in prehistory and the sociolinguistics of gender usage. Special attention is paid to the ways in which gender articulates with other social practices and institutions such as class, kinship, religion and subsistence practices.

## Curriculum Anthropology

### 126 Field Experience

Guided by an anthropology professor of the student's choice, this course provides students with the opportunity to gain hands-on experience conducting anthropological or archaeological analysis in the field. Among other sites, students can select supervised work in archaeological digs, community agencies, government bureaus, museums, and political or industrial organizations.

### 127 Topics in Archaeology

This course introduces students to a major area of contemporary archaeological thought. Possible topics include cultural resource management, mortuary archaeology, the archaeology of culture contact, gender archaeology, historical archaeology, material culture and ethnicity, an in-depth study of the archaeology of a particular time period (e.g., the Neolithic), and archaeological methods. *Successful completion of Anth 005 is recommended, but NOT required. May be repeated for credit as content varies.*

### 128 Food and Culture

Food touches every aspect of life. It can be a symbol of love, sex, community, and national, ethnic, and gender identity. The cultural complexities behind the symbolic meaning of "food" in a cross-cultural context are vast. Furthermore, the political and economic ramifications of consumption, as well as the production and distribution of food, is fraught with significance about what it means to be a responsible human being in an increasingly global world. This course exposes students to the myriad roles that food plays in all cultures, while critically engaging our own cultural attitudes and assumptions about food.

### 129 Ancient Civilizations

Ninety-nine percent of human cultural development took place before the advent of written records, and therefore archaeology is the primary source of knowledge of these cultures. This course focuses on the practices of prehistoric people, such as how they made stone tools, decorated cave walls, organized their villages, domesticated plants and built monuments like Stonehenge. Special attention is given to topics such as gender, kinship, religion and art. Students also learn how cross-cultural comparisons of ancient civilizations have led to insights regarding the emergence of cultural complexity, city life, social classes and other modern social phenomena. *Successful completion of Anth 005 is recommended, but NOT required.*

### 130 Anthropological Theory

This course is Part I of the capstone course sequence for anthropology majors. Through close reading and in-depth discussion of primary theoretical texts, students gain an understanding of the history of American anthropological theory from the 19th century to the present. *Students must be in their senior year or receive permission of instructor to enroll.*

### 131 Cultural Geography

Cultural geography studies the way people shape and give meaning to their environment, and allows us to look at the fascinating variety of human activity in the world—the human landscape. Geographic knowledge is vital to understanding national and international issues that dominate daily news reports. This course examines the relevance of geographic methods and concepts to such social science topics as agricultural patterns and practices, ethnic traditions and conflicts, gender, health, migration, political economy, poverty, religion, resource utilization, social change and urban planning.

### 132 Anthropological Research Methods

This course is Part II of the capstone course sequence for anthropology majors. Students master specific qualitative and quantitative methodologies that are utilized in the completion of an original research project. *Students must be in their senior year or receive permission of instructor to enroll.*

### 134 Issues in Globalization

Globalization, which can be characterized as the increased speed and frequency by which commodities, people, ideologies, cultural productions and capital cross national borders, has reorganized the world in fundamental ways not seen since the Industrial Revolution. This class examines the numerous issues and problems that stem from globalization, including transnational migration, food policy and gender relations. Through reading ethnographies about different world regions, students will explore the changing shape of local cultures in relation to larger processes of globalization, and analyze such issues as cultural imperialism, cultural homogenization and resistance. *May be repeated for credit as the content varies.*

### 135 Special Topics

Special topics in anthropology include such issues as criminology, sexuality, international terrorism and popular culture. *May be repeated for credit as content varies.*

### 136 Applied Anthropology

Anthropologists increasingly are employed in a variety of jobs outside of academia. Applied anthropology involves the practical application of anthropological theory and methods to such areas as business, the environment, medicine, education, social and economic development, and the preservation of cultural heritage. This course introduces students to the methods, theories and roles anthropologists have in the workplace, including issues of ethics, analysis and report writing, enabling students to use their anthropological training in their post-baccalaureate careers.



### **195 Special Study Internship**

This course is usually taken by upper-division students who wish to complete their education with related work experience and is maintaining at least a C average. In addition to work experience (6–8 hours per week), outside research and a term project are usually required. Sponsorship by an anthropology faculty member and approval of the department chair is required.

### **196 Senior Thesis**

Honor students undertake individual research, culminating in the senior project and a presentation. This course should be taken in the senior year.

### **199 Special Study: Honors**

This course is only available to upper-division majors with a B average or higher and entails independent study or research under the supervision of an anthropology faculty member. Approval of the department chair is required.

## ART AND ART HISTORY

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The Department of Art and Art History is an innovative, laboratory program focused on the practice and history of art. Courses in a variety of subject media and historical periods inspire students to consider and create art within a social, cultural, religious, aesthetic and technological context. The catalyst of both interrelated fields is the diverse history of art and its status in contemporary society. The department faculty 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.

The department offers three majors:

Bachelor of Arts: Art Practice

Bachelor of Arts: History of Art

Bachelor of Arts: 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 modern languages, presents the rich tradition of art in the western world, while also inviting students to experience the artistic production of many other cultures. 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.

A degree from the Department of Art and Art History has provided 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.

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.

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.

### ART PRACTICE FACULTY

**Peter Freund, Ph.D.**, Associate Professor, Art Practice  
*Digital Media, Experimental Film/Video, Critical Theory*

**Roy Schmaltz, M.F.A.**, Professor, Art Practice  
*Drawing, Painting*

### HISTORY OF ART FACULTY

**Anna Novakov, Ph.D.**, Professor, History of Art, Chair  
*Art of the 19th and 20th Century, History of Architecture, Women's and Gender Studies*

### AFFILIATED HISTORY OF ART FACULTY

**Costanza Dopfel, Ph.D.**, Associate Professor of  
*Modern Languages, Medieval and Renaissance Art History*

**Lynn Meisch, Ph.D.**, Professor of Anthropology  
*Pre-Columbian Art History and Textiles*

**Thomas Poundstone, Ph.D.**, Associate Professor of  
*Theology and Religious Studies*  
*Christian Art and Baroque Art*

**Cynthia Van Gilder, Ph.D.**, Associate Professor  
*of 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 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--an in-depth study of a theme or issue in the history or art.

#### 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.

#### ART PRACTICE: MAJOR REQUIREMENTS

(14.5 courses)

LOWER DIVISION (6 courses)

ART 1 Studio Foundations 1: Drawing and Painting

ART 3 Basic Design

ART 55 Digital Foundations 1: Photo, Video and Sound

ATC 80 Art Theory

AH 1 Survey of World Art: Europe and the United States

Or AH 2 Survey of World Art: Africa, Asia and the Americas

*And a choice of one lower-division course:*

ART 2 Studio Foundations 2: Sculpture and Installation

ART 4 Basic Photography

ART 65 Digital Foundations 2: Web Design and Interactive Art

UPPER DIVISION (8.5 courses)

ART 192 Capstone Project

ART 195 Gallery Exhibitions (.25 CR)

ART 198 Senior Portfolio in Art Practice (.25 CR)

*And a choice of seven upper-division courses:*

ART 101 Advanced Drawing

ART 102 Advanced Painting

ART 103 Advanced Sculpture

ART 104 Advanced Photography

ART 155 Experimental Film/Video

ART 165 Experimental Interactive Media

ART 175 Interdisciplinary Arts

ATC 180 Seminar in Art Theory & Practice

ART 194 Special Topics in Art

ATC 117 Art Criticism, 1900 to the Present

ATC 118 Art since 1930

AH 193 Museum Internship Project

## Curriculum Art and Art History

### ART PRACTICE: MINOR REQUIREMENTS

(8.5 courses)

#### LOWER DIVISION (3 courses)

ART 1 Studio Foundations 1: Drawing and Painting  
ART 55 Digital Foundations 1: Photo, Video and Sound

*And a choice of one lower-division course:*

ART 2 Studio Foundations 2: Sculpture and Installation  
ART 3 Basic Design  
ART 4 Basic Photography  
ART 65 Digital Foundations 2: Web Design and  
Interactive Art  
ATC 80 Art Theory  
AH 1 Survey of World Art: Europe and the United States  
AH 2 Survey of World Art: Africa, Asia and the Americas

#### UPPER DIVISION (5.5 courses)

ART 196 Gallery Exhibitions (.25 CR)  
ART 198 Senior Portfolio in Art Practice (.25 CR)

*And a choice of five upper-division courses:*

ART 101 Advanced Drawing  
ART 102 Advanced Painting  
ART 103 Advanced Sculpture  
ART 104 Advanced Photography  
ART 155 Experimental Film/Video  
ART 165 Experimental Interactive Media  
ART 175 Interdisciplinary Arts  
ATC 180 Seminar in Art Theory & Practice  
ART 194 Special Topics in Art  
ATC 117 Art Criticism, 1900 to the Present  
AH 193 Museum Internship Project

### ART PRACTICE: SPLIT MAJOR

Split majors between Art Practice and other disciplines are available by arrangement. For more information, please email Professor Peter Freund at [pjf2@stmarys-ca.edu](mailto:pjf2@stmarys-ca.edu).

### HISTORY OF ART: MAJOR REQUIREMENTS

#### LOWER DIVISION

AH 1 Survey of World Art: Europe and the United States  
AH 2 Survey of World Art: Africa, Asia and the Americas  
ANTH 5 Introduction to Archaeology

*And three lower-division courses in Art Practice:*

ART 1 Studio Foundations 1: Drawing and Painting  
ART 2 Studio Foundations 2: Sculpture and Installation  
ART 55 Digital Foundations 1: Photo, Video and Sound

#### UPPER DIVISION

AH 192 Senior Thesis Seminar

*And a choice of four upper-division courses:*

AH 144 Issues in Non-Western Arts  
AH 145 Issues in European Art  
AH 165 Issues in American Art  
AH 166 Issues in Nineteenth-Century Art  
AH 194 Special Topics in Art History

*And a choice of three upper-division affiliated courses:*

ANTH 124 Museum Studies  
ANTH 127 Historical Archaeology: Material Culture and Ethnicity  
ANTH 129 Ancient Civilizations  
ML 186 Culture and Civilization in Italy  
TRS 160 Topics in Religion and Culture  
(only when pre-approved)  
TRS 167 Seeing Salvation: Christian Art and Architecture

### HISTORY OF ART: MINOR REQUIREMENTS

#### LOWER DIVISION

AH 1 Survey of World Art: Europe and the United States  
AH 2 Survey of World Art: Africa, Asia and the Americas  
ANTH 5 Introduction to Archeology

*A choice of one lower-division course in Art Practice:*

ART 1 Studio Foundations 1: Drawing and Painting  
ART 2 Studio Foundations 2: Sculpture and Installation  
ART 55 Digital Foundations 1: Photo, Video and Sound

*And a choice of three upper-division courses*

ATC 117 Art Criticism, 1900 to the present  
ATC 118 Art since 1930  
AH 144 Issues in Non-Western Arts  
AH 145 Issues in European Art  
AH 165 Issues in American Art  
AH 166 Issues in Nineteenth-Century Art  
AH 194 Special Topics in Art History  
ATC 180 Seminar in Art Theory & Practice

**HISTORY OF ART:  
SPLIT MAJOR AGREEMENTS**

The department offers two split majors: History of Art and Italian Studies or History of Art and Archaeology. Other split majors are available by arrangement. For more information, please email Department Chair Anna Novakov at [anovakov@stmarys-ca.edu](mailto:anovakov@stmarys-ca.edu).

**ART THEORY AND CRITICISM  
MAJOR REQUIREMENTS**

LOWER DIVISION

ATC 80 Art Theory

AH 1 Survey of World Art: Europe and the United States

AH 2 Survey of World Art: Africa, Asia, and the Americas

*And a choice of three electives:*

ART 1 Studio Foundations 1: Drawing and Painting

ART 2 Studio Foundations 2: Sculpture and Installation

ART 3 Basic Design

ART 55 Digital Foundations 1: Photo, Video, Sound Art

ART 65 Digital Foundations 2: Web Design and Interactive Media

PERFA 1 Perceiving the Performing Arts

PERFA 10 Rock to Bach: Introduction to Music

PERFA 50 Interactive Theatre

PHIL 5 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 Art Theory & Practice

ATC 192 Capstone Project

*And a choice of four upper-division courses:*

ATC 118 Art since 1930

AH 193 Museum Internship Project

AH 194 Special Topics in Art History

ANTH 120 Visual Anthropology

ANTH 124 Museum Studies

COMM 100 Communication Theory

COMM 109 Visual Communication

ENG 170 Problems in Literary Theory

PERFA 118 Twentieth-Century Composers

PERFA 160 Special Topics in Performing Arts

PERFA 184 Dance and Performance

PHIL 111 Philosophy of Art

**ART THEORY AND CRITICISM  
MINOR REQUIREMENTS**

LOWER DIVISION

ATC 80 Art Theory

AH 1 Survey of World Art: Europe and the United States

Or AH 2 Survey of World Art: Africa, Asia, and the Americas

*And the choice of one of the following:*

ART 1 Studio Foundation 1: Drawing and Painting

ART 3 Basic Design

ART 55 Digital Foundations 1: Photo, Video, Sound

ART 65 Digital Foundations 2: Web Design and Interactive Media

PERFA 1 Perceiving the Performing Arts

PERFA 50 Interactive Theatre

PHIL 5 Practical Logic

UPPER DIVISION

ATC 111 Philosophy of New Media Art

ATC 180 Seminar in Art Theory & Practice

ATC 192 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 193 Museum Internship Project

AH 194 Special Topics in Art History

ANTH 120 Visual Anthropology

ANTH 124 Museum Studies

COMM 100 Communication Theory

COMM 109 Visual Communication

ENG 170 Problems in Literary Theory

PERFA 118 Twentieth-Century Composers

PERFA 160 Special Topics in Performing Arts

PERFA 184 Dance and Performance

PHIL 111 Philosophy of Art



### C O U R S E S

#### ART PRACTICE

##### LOWER DIVISION

#### ART 1 Studio Foundations 1: Drawing and Painting

This course introduces beginning students to basic two-dimensional art forms such as drawing, painting, collage and digital photography. In order to explore essential characteristics of visual expression, the class examines basic two-dimensional (2d) design elements and techniques as well as the psychological implications of creative composition in relation to various media. The class functions as a laboratory for experimentation with multi-media work, collaboration and documentation, and includes drawing from live figures and local landscapes. *Fee \$60. Does not satisfy an Area requirement in the pre-2012 general education requirements. Satisfies Artistic Understanding (Creative Practice) of the Core Curriculum.*

#### ART 2 Studio Foundations 2: Sculpture and Installation

This course is an introduction to three-dimensional art forms including sculpture and installation. Assignments include the use of classical materials such as clay and plaster, as well as found objects, public interventions and 2d/4d methods. Presentations of various artists' work and assigned readings provide a springboard for discussion of theory, practical application and critical thinking, in both historical and contemporary terms. Students are encouraged to apply this material to their own work, with a focus on process rather than results. *Fee \$60. Does not satisfy an Area requirement in the pre-2012 general education requirements.*

#### ART 3 Basic Design

This course introduces students to the fundamental principles of design underlying a wide variety of visual art forms. Topics will include composition, design principles, layout, color and light theory, and typography as applied to two-dimensional formats. Techniques will be contextualized by relevant discussions of psychology and politics, rooted in the study of representative examples and project work. *Fee \$50. Does not satisfy an Area requirement in the pre-2012 general education requirements.*

#### ART 4 Basic Photography

This course provides an introduction to the art of digital photography, production techniques and theory. Students will study the expressive power of light, composition, contrast, depth, angles, patterns, texture and subject matter. Technical skills will include digital input from scanning (flatbed and slide/negative), digital cameras, video and internet sources, and output to digital printing systems. Computer-assisted manipulation of imagery will be explored for correction and abstraction. *Fee \$100. Does not satisfy an Area requirement in the pre-2012 general education requirements.*

#### ART 55 Digital Foundations 1: Photo, Video and Sound

This introductory course investigates the digital editing tools, processes and concepts through which digital technology extends traditional 2d and time-based art practices. Students will develop digital imaging, video and sound projects using Adobe Photoshop and Apple Final Cut Suite. The course will combine extensive software demonstrations, hands-on exercises, theoretical and technical readings, discussion of a broad range of examples of media art and group critiques. *Fee \$100. Does not satisfy an Area requirement in the pre-2012 general education requirements.*

#### ART 65 Digital Foundations 2: Web Design and Interactive Art

This course introduces the digital editing tools, processes and concepts of web design and interactive art. Students will study web layout and interface design principles, color theory, typography, information architecture and other topics that will prepare them to produce compelling website design. The theory of interactive design and new media will help contextualize student work and broaden the creative possibilities for the use of interactive structures for the purposes of artistic expression. Students will develop projects using Adobe Creative Suite software. *Fee \$100. Does not satisfy an Area requirement in the pre-2012 general education requirements. Satisfies Artistic Understanding (Analysis and Creative Practice) of the Core Curriculum.*

#### ART 70 Printmaking

An introduction to the medium of printmaking, this class explores the process of monoprint, linoleum and woodcut as well as other non-traditional techniques. The course also examines the use of tools, techniques, and machinery used in printmaking for their application to the students' images and ideas. *Fee \$60.*

#### ART 90 Special Topics in Art Practice

An introduction to art practice. The medium and materials vary from semester to semester and may include photography, photojournalism, video, installation art, site-specific and public projects, digital media, textiles and soft sculpture. Student assessment and evaluation is accomplished through group critiques, class discussions, peer and self-evaluations, short writings on art, and sketchbook and portfolio reviews. This class is open to all interested students without prerequisite, though prior completion of at least one lower-division studio class is recommended. *May be repeated for credit as content varies.*

UPPER DIVISION

**ART 101 Advanced Drawing**

Since the Renaissance, artists have looked for ways to depict the world around them in a more realistic way. In this century, some artists have sought another kind of artistic clarity, reaching into the subconscious to explore an uncharted, inner world. If drawing is visual thought, this course aims to expand thinking through the study and application of many graphic methods such as frottage, transfer, automatism, blind drawing, and collaboration and chance procedures. *Fee \$60.*

**ART 102 Advanced Painting**

Continuing study of painting methods in a variety of traditional and nontraditional materials and techniques. This course challenges students' comfort with their craft and emphasizes the development of personal issues in their work. To gain a better understanding of the state of the contemporary art scene, students are encouraged to keep current through readings, and attending art lectures and exhibitions. During class, there will be slide presentations, museum and gallery visits, and critiques as necessary. *Fee \$60.*

**ART 103 Advanced Sculpture**

Since the use of collage in paintings by Pablo Picasso, and the revelation of "readymade" art objects by Marcel Duchamp, artists have been free to select and use almost anything as an art material. This course is for advanced students who want to expand their knowledge and application of nontraditional materials toward more complex and poetic expression. We explore a variety of permanent and ephemeral materials and methods. The emphasis will be on determining the appropriate material needed to reinforce the concept of the work and on problem-solving the use of that material. *Fee \$60.*

**ART 104 Advanced Photography**

Continuing study of digital photography production and post-production. This course supports the advanced photography student in conceptualizing and developing their own artistic voice through series production and experimentation. Student will explore studio and field practices, digital printing and exhibition formatting. *Fee \$60.*

**ART 155 Experimental Film/Video**

This course investigates experimental film and video production using digital and traditional tools. Student projects will explore a variety of nonlinear modes of film/video production, such as oscillating, looping, recombinant and remediated structures, as well as a variety of input and sourcing methods ranging from current and antiquated video camera technologies to internet archives and found footage resources. Students will use digital editing software to expressively assemble and manipulate their materials into finished results. Readings and representative examples from the rich history of experimental film and video will help students contextualize their own work. *Fee \$100.*

**ART 165 Experimental Interactive Media**

As traditional web design utilizes interactivity in its merely pragmatic navigational function, students in this course will design and produce experimental web-based interfaces and architectures in which the interactive components become the focus of artistic and poetic expression. Theories of new media and net art will provide critical context for project work. Students will work individually and collaboratively, while producing projects designed for Internet as well as installation formats. *Fee \$60.*

**ART 175 Interdisciplinary Arts**

This course enables students to explore interdisciplinary art production. Students will work on projects that combine visual art with other disciplines such as theater, music, literature and dance. The course's interdisciplinary focus will vary from term to term. *May be repeated for credit as content varies. Fee \$60.*

**ART 192 Capstone Project**

As a capstone to their studies, seniors in art practice are required to work independently with a departmental faculty member to complete a thesis project, typically an exhibition of a coherent body of original artwork. This course is limited to seniors in the major. *Permission of instructor and department chair required.*

**ART 193 Special Study Internship**

Work-practice program conducted in an appropriate art-related internship position. Normally open to junior and senior art practice majors. *May be repeated for credit as content varies. Permission of instructor and department chair required.*

**ART 194 Special Topics in Art**

The topic of this course varies from semester to semester. Each course focuses on a different area of study within art history. Special emphasis is placed on the history of non-European art. *May be repeated for credit as content varies. Fee \$60.*

**ART 195 Gallery Exhibitions (.25 CR)**

This course provides direct experience in gallery curation and installation. Under faculty supervision, students in this course manage the exhibitions in the student art gallery, (Gallery 160) and the online Liquid Gallery. *Fee \$10.*

**ART 197 Independent Study**

An independent study for students whose needs are not met by the regular course offerings of the department. *Permission of instructor and department chair required.*

**ART 198 Senior Portfolio (.25 CR)**

The capstone assessment course allows students to track the development of their major or minor. Art practice requires that all majors and minors submit a portfolio of artwork and writings at the end of their SMC career. This portfolio includes a listing of their completed coursework in the discipline, representative samples of their artwork, assessment of field experiences (exhibits, internships, curation), an artist statement, samples of other relevant art-related writings and a self-evaluative essay. *Fee \$60.*

## Curriculum Art and Art History

### ART 199 **Special Study Honors**

Directed project under the supervision of a department faculty member, culminating in the production of an honors-level art project. *Permission of instructor and department chair required.*

### **HISTORY OF ART**

#### LOWER DIVISION

#### **AH 1 Survey of World Art: Europe and the United States**

This course, intended for beginning students in any major, examines the evolution of the art in Europe and the United States, from the prehistory until the 20th century. The course offers students a general introduction to the history and methodology of art history in the West. *Fee \$20. Satisfies Artistic Understanding (Analysis) of the Core Curriculum.*

#### **AH 2 Survey of World Arts: Africa, Asia and the Americas**

This interdisciplinary course, intended for beginning students in any major, examines the evolution of the art in Asia, Africa and the Americas. The course offers students a general introduction to the history and methodology of art history in non-Western countries. *Fee \$20. Satisfies Artistic Understanding (Analysis) and Global Perspectives of the Core Curriculum.*

#### UPPER DIVISION

#### **AH 145 Issues in Medieval, Renaissance and Baroque Art**

This course examines a variety of topics within the history of European art. This course provides students with a focused study of a specific movement or time period of art within the history of European art. Topics include Medieval, Renaissance and Baroque Art. *Fee \$20. Satisfies Artistic Understanding (Analysis) of the Core Curriculum.*

#### **AH 165 Issues in American Art**

This course examines a variety of topics within the history of art in the United States. This course provides students with a focused study of a specific movement or time period of art within the history of American art. Topics include Politics and the American Artistic Landscape and Popular Culture and the American Imagination. *Fee \$20.*

#### **AH 166 Issues in Nineteenth-Century Art**

This course examines the history of avant-garde art movements in the 19th and 20th century. This course provides students with a focused study of specific types of innovative, modern art. Topics include Romanticism and History of Women Artists. *Fee \$20.*

### **INTERDISCIPLINARY ARTS HISTORY**

#### **AH 144 Issues in Non-Western Arts**

This interdisciplinary course examines a variety of topics within the history of visual and performing arts in Asia, Africa, the Middle East and Central and South America. This course provides students with a focused study of a specific movement or time period of art within the history of art. Topics include Orientalism and the Arts of India. *Fee \$20.*

#### **AH 194 Interdisciplinary Topics in Art History**

This course examines a specific research topic in depth. This course provides students with a focused study of a theme within the history of art. Topics include: Artists on Film and Minimalism. *Fee \$20.*

### **ART HISTORY CAPSTONE**

#### **AH 192 Senior Thesis Seminar**

As a capstone to their studies, seniors in art history are required to work independently with a departmental faculty member to complete a thesis that displays their ability to think, read and write about art, as well as create works of art that express their own beliefs and interests. This course is limited to seniors in the major. *Permission of instructor and department chair required.*

### **SPECIAL STUDY**

#### **AH 193 Special Study Museum Internship**

Work-practice program conducted in an appropriate museum internship position. Normally open to junior and senior art and art history majors. *Permission of instructor and department chair required.*

#### **AH 197 Special Study Independent Study**

An independent study or research course for students whose needs are not met by the regular course offerings of the department. *Permission of instructor and department chair required.*

#### **AH 199 Special Study Honors (.25 CR)**

Directed capstone project under the supervision of a department faculty member, culminating in the production of an honors-level arts history project. *Permission of instructor and department chair required.*

## ART THEORY AND CRITICISM

*Curriculum from within the Art & Art History Department*

### LOWER DIVISION

#### ATC 80 Art Theory

This course introduces students to the conceptual terrain of the 20th & 21st century critical theory and its relationship to artistic practice. The class will proceed via seminar format based on close readings of seminal texts and will traverse a broad array of interdisciplinary topics and critical approaches ranging from psychoanalysis and philosophy to anthropology and political economy. Assignments will include research and creative projects. Students majoring in art as well as other fields are equally encouraged to enroll. *Fee \$60. Satisfies Artistic Understanding (Analysis and Creative Practice) of the Core Curriculum.*

### UPPER DIVISION

#### ATC 111 Philosophy of New Media Art

This course examines the historical, philosophical and socio-political basis of contemporary new media art. We read theoretical and historical statements that articulate the concepts driving new media art production, coupled with studying examples of representative work, including photography, experimental film and video, installation and net art. Project assignments integrate a critical and creative exploration of concepts. *Fee \$20.*

#### ATC 117 Art Criticism, 1900–the Present

This course is an exploration of the history of critical writing about art. A broad sampling of 20th century texts from art historians, critics, philosophers, social scientists and artists are brought together for discussion and reflection. *Fee \$20.*

#### ATC 118 Art Since 1930

This course focuses on the major stylistic movements in Europe and the United States from the Great Depression to the Digital Age. Topics covered include existentialism, the Beat Generation, pop art, politics and postmodernism, and art in cyberspace. Students are encouraged to develop an understanding of the trends and debates in contemporary art. *Fee \$20.*

#### ATC 166 Issues in Twentieth-Century Art

This course, for students who have taken at least one art history course, examines the history of avant-garde art movements in the 20th Century. This course provides students with a focused study of specific types of innovative, modern art. Topics include: Art and Social Change and Art between the Wars. *Fee \$20.*

#### ATC 180 Seminar in Theory & Practice of Art

Advanced study in critical theory and its relation to art practice. Variable topics may include psychoanalysis, semiotics, post-structuralism, cultural studies and Frankfurt School, to name a few. Assignments will integrate critical and creative process as a form of artistic “praxis.” The course may be repeated for credit as content varies. *Fee \$60. Prerequisite: ART 80.*

#### ATC 192 Capstone Project

Art Theory & Criticism majors are required to complete a thesis project as a capstone to their studies. This project typically entails the writing of a work of art history or criticism, or the curating and production of an art exhibition. This course provides the time and credit for students to pursue their capstone project under the supervision of a department faculty member. The course is limited to upper division students in the major, minor, and split majors.

#### ATC 197 Independent Study

An independent study for students whose needs are not met by the regular course offerings of the department. *Permission of instructor and department chair required.*

*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 124); Communication (COMM 100 and 109); English (ENG 170); Performing Arts (PERFA 1, 10, 50, 118, 160 and 184); Philosophy (PHIL 5 and 111).*

# 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 STEERING COMMITTEE

Kenneth J. Brown, Ph.D., *Professor*

Vidya Chandrasekaran, Ph.D., *Associate Professor*

Jeffrey A. Sigman, Ph.D., *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.

### 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. (See pages 85 and 99, respectively.)

### LOWER DIVISION

The following lower-division courses are required for the biochemistry major: **Biology 1, 1L, 2<sup>†</sup>, 2L<sup>†</sup>; Chemistry 8, 9 (lab), 10, 11 (lab); Mathematics 27, 28; Physics 10/11 and 20/21 or Physics 1/2 and 3/4, and Chemical Literature 89.**

### UPPER-DIVISION REQUIREMENTS

There is a core of upper-division courses for this major which include two semesters of Organic Chemistry (**Chem 104 and 106**); Biochemistry (**Bio 135**), Advanced Topics in Biochemistry (**Bio/Chem 136**), and Molecular Biology (**Bio 137**). Students are also required to take either Biophysical Chemistry (**Chem 138**) or Physical Chemistry (**Chem 114 and 115**). For additional laboratory skill development, students are required to take either Separation and Identification (**Chem 108**) or Instrumental Chemical Analysis (**Chem 118**). For upper-division electives, students may choose two courses from the following categories listed below.

*Upper-division electives: Select two of the following categories (a, b, c or d):*

- a) **Biology 105** – Genetics
- b) One of the following:
  - Biology 102** – Embryology and Development
  - Biology 127** – Systemic Physiology
  - Biology 130** – Microbiology
  - Biology 132** – Cell Biology
  - Biology 139** – Immunology
- c) **Chemistry 130<sup>§</sup>** – Advanced Inorganic Chemistry or  
**Chemistry 111** – Advanced Organic Chemistry
- d) **Chemistry 114<sup>§</sup>** – Physical Chemistry I

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

<sup>†</sup> *Required for students with more of a biological interest and chemistry students who wish to take **Biology 105: Genetics***

<sup>§</sup> *Students wishing to meet the ACS curriculum requirements for the biochemistry major must take two semesters of Physical Chemistry (**Chem 114 and 115**) and Advanced Inorganic Chemistry (**Chem 130**).*

### 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.



## BIOLOGY

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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

**Vidya Chandrasekaran, Ph.D.**, Associate Professor, Chair  
*Developmental Biology, Biochemistry, Genetics*

**James Berleman, Ph.D.**, Adjunct Assistant Professor  
*Microbiology, Microbial Ecology, Genetics*

**Carla C. Bossard, Ph.D.**, Professor  
*Terrestrial Ecology, Plant Science*

**Lawrence R. Cory, Ph.D.**, Professor Emeritus  
*Genetics, Amphibian Biology, Evolutionary Biology*

**Margaret F. Field, Ph.D.**, Associate Professor  
*Physiology, Cell Biology*

**Keith E. Garrison, Ph.D.**, Associate Professor  
*Immunology, Genetics, Molecular Biology*

**Allan K. Hansell, Ph.D.**, Professor Emeritus  
*Cell Biology, Biochemistry, Genetics*

**Rebecca Jabbour, Ph.D.**, Assistant Professor  
*Evolution, Anatomy*

**Wendy Lacy, Ph.D.**, Adjunct Associate Professor  
*Microbiology, Cell Biology, Developmental Biology*

**Phillip Leitner, Ph.D.**, Professor Emeritus  
*Conservation Biology, Desert Ecology*

**Jacob F. Lester, Ph.D.**, Professor  
*Zoology, Parasitology*

**Michael Marchetti, Ph.D.**, Fletcher Jones Professor  
*of Biology Aquatic Ecology, Conservation,  
Invasive Species*

**Christina Morales, Lecturer**  
*Biology*

**Lisa Sawrey-Kubicek, M.S.**, Lecturer  
*Nutritional Science*

**Gregory R. Smith, M.S.**, 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.

### ADMISSION REQUIREMENTS

Applicants planning to undertake the biology major must present credits for one year of chemistry and four years of mathematics. One course in biology, one year of physics, and three years of a second language are strongly recommended. Students with less than a B average in high school science, mathematics and languages or with any course deficiency should seek the advice of the Admissions Office and the Biology Department before beginning their studies. A diagnostic chemistry examination is required of all students beginning a science curriculum at Saint Mary's. This examination is administered by the Department of Chemistry before the start of classes each fall and is designed to detect important deficiencies in a student's background. In some cases, the student may be advised to correct any deficiencies before undertaking the biology major curriculum. This can often be done within a four-year stay at Saint Mary's but may require summer school attendance.

## Curriculum Biology

### MAJOR REQUIREMENTS

#### LOWER DIVISION BIOLOGY MAJOR

Mathematics 27–28 (or equivalent, e.g. Math 38)  
Chemistry 8, 9 (lab), 10, 11 (lab)  
Physics 10, 11, 20 (lab), 21 (lab), or  
Physics 1, 2 (lab), 3, 4 (lab)  
Biology 1, 1L (lab), Biology 2, 2L (lab)

*Lower-division requirements for split majors must be determined by consultation between the student and his/her advisor, and approved by the chairs of the departments involved.*

#### UPPER DIVISION BIOLOGY MAJOR

Chemistry 104, 105 (lab), 106, 107 (lab) 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.

Group I Genetics and Ecology: **Biology 105, 125**  
Group II Organismal: **Biology 100, 102, 110, 113, 122, 127, 144, 146**  
Group III Cellular/Molecular: **Biology 130, 132, 135, 137, 139**  
Group IV Evolution and Ecology: **Biology 113, 115, 120, 142, 152**  
Group V Electives: **Biology 116, 119**

*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 his/her advisor and be approved by the chairs of the departments involved.*

#### 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.

### MINOR REQUIREMENTS

The minor in biology requires **Chemistry 8, 9 (lab), 10, 11 (lab)**, and **Biology 1, 1L (lab), 2, 2L (lab)**.

Any three upper-division biology courses, 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 his/her advisor and be approved by the chairs of the departments involved.

### 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.

### PREPARATION FOR MEDICINE, DENTISTRY AND OTHER HEALTH PROFESSIONS, AND VETERINARY MEDICINE

See the section in this catalog under Pre-Professional Curricula.

### PREREQUISITE GRADE

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

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## C O U R S E S

### LOWER DIVISION

#### 1 Introductory Biology for Majors:

##### **Cell and Molecular Biology and Genetics**

This is the first semester of a two-semester sequence designed for biology majors and others requiring a rigorous treatment of the subject. It is designed to prepare students for in-depth, upper-division work in areas related to cell biology, molecular biology, biochemistry and genetics. Three hours of lecture per week. Must be enrolled concurrently in **Biology 1L**. *Prerequisites: Chemistry 8 and 9 (lab), 10 and 11 (lab) with grades of C– or better.*

**1L Introductory Biology for Majors:****Cell and Molecular Biology Laboratory**

Laboratory to accompany **Biology 1**. One laboratory per week for four hours. Must be enrolled concurrently in **Biology 1**. *Laboratory fee \$185 (includes lab manual).*

**2 Introductory Biology for Majors:****Evolution and Organism**

This is the second semester of a course designed for biology majors and others requiring a rigorous introductory treatment of the subject. This course is a systematic introduction to all forms of life, covering all three domains (formerly five kingdoms), from bacteria and protozoa, through fungi, plants, and animals. To account for life's unity and diversity, the guiding principle for the course is the concept of evolution. **Biology 2** builds upon the cellular and molecular foundation given in **Biology 1** (which is pre-required for **Biology 2**), and assumes knowledge of hereditary principles, both Mendelian and molecular. Through the study of the molecular evidence, morphology, physiology, development, and behavior of each type of organism, we provide a broad understanding of the evolutionary origins and phylogenetic relationships of all forms of life. Required for biology majors and prerequisite to ALL upper-division courses. Three hours of lecture per week. Must be enrolled concurrently in **Biology 2L**. *Prerequisites: Chemistry 8, 9 (lab), Chemistry 10, 11 (lab), Biology 1, 1L, with a grade of C– or better.*

**2L Evolution and Organisms Laboratory**

Laboratory to accompany **Biology 2**. One laboratory per week for four hours. Must be enrolled concurrently in **Biology 2L**. *Laboratory fee \$175.*

**5 Concepts in Evolutionary Biology**

This question-oriented course designed for non-majors explores how science works through an examination of the concepts of the theory of evolution by natural selection, which is considered to be the unifying theme of the biological sciences. Three lecture hours and one lab per week. *Satisfies Area B requirement in the pre-2012 general education requirements Laboratory fee \$175. Offered in alternate years.*

**6 Heredity and Society**

An introduction to the basic concepts and technologies of genetics as they apply to humans, and the ethical issues that arise as a result of the application of those principles. Students will engage these areas through lectures, discussion, guest presenters, videos and hands-on laboratory experiences. Intended for students in any major regardless of background. Six hours of lecture, discussion, and laboratory per week. *Satisfies Area B requirement in the pre-2012 general education requirements. Laboratory fee \$185 (includes reader). Offered in alternate years.*

**7 Introduction to Biological Anthropology**

Study of the variation and evolution of the human species and its place in nature. Molecular, Mendelian and population genetics serve as a basis to discussions of natural selection and how that affects biological and physiological adaptation. The emphasis of this course explores why we

see broad variations among homo sapiens and how these variations affect humans in their life cycle, health and culture. Three lecture hours and one three-hour lab per week. *Laboratory fee \$175.*

**10 Introduction to Biology**

Study of the chemistry of life, the organization of cell and the molecular processes inside of cells. This course emphasizes the genetic basis of life and includes an introduction to biotechnology. Designed for 2+2 Pre-Nursing and Kinesiology student as a prerequisite for microbiology, human anatomy and human physiology. Three hours of lecture per week. Must be enrolled concurrently in **Biology 11**. *Satisfies Scientific Understanding of the Core Curriculum.*

**11 Introduction to Biology Laboratory**

Laboratory to accompany **Biology 10**. Includes techniques for studying organic molecules, cell biology and genetics. One lab per week for three hours. *Laboratory fee \$175.*

**12 Human Nutrition**

This course is an overview of human nutrition. Concepts from biology, chemistry, biochemistry, anatomy and physiology are used to describe the nutrients and their function in the body. Focus is on the physiological need for food and promotion of healthy eating practices as they relate to optimum body function and disease prevention.

**13 Human Anatomy for Kinesiology**

Study of the gross and microscopic structure of the human body. This course emphasizes the structural relationships and functional aspects of gross anatomy, proceeds from the cell to tissues to organs. A strong high school science background is recommended. Three hours of lecture per week. Must be enrolled concurrently in **Biology 14**. Limited to majors in kinesiology or by consent of instructor. *Prerequisites: Biology 10, 11 (lab) and Chemistry 2, 3 (lab) with a grade of C– or better in both courses. Does not satisfy Area B requirement in the pre-2012 general education requirements.*

**14 Human Anatomy Laboratory**

Laboratory to accompany **Biology 13**. Laboratory will be taught from virtual materials and models. One three-hour lab per week. Must be concurrently enrolled in **Biology 13**. *Laboratory fee \$175.*

## Curriculum Biology

### 15 Human Anatomy

Study of the gross and microscopic structure of the human body. This course, emphasizing the structural relationships and functional aspects of gross anatomy, proceeds from the cell to tissues to organs. A strong high school science background is recommended. Three hours of lecture per week. Must be enrolled concurrently in **Biology 16**. Limited to majors in biology, allied health science, nursing or by consent of instructor. *Prerequisites:* **Chem 8, 9 (lab) 10, 11 (lab)** with a grade of C– or better; OR **Biology 10, 11 (lab)** and **Chem 2, 3 (lab)** with a grade of C– or better. *Does not satisfy Area B requirement in the pre-2012 general education requirements.*

### 16 Human Anatomy Laboratory

Laboratory to accompany **Biology 15**. Laboratory will be taught from dissected human material, models and microscopic slides to allow students to learn from direct experience. One three-hour lab per week. Must be enrolled concurrently in **Biology 15**. *Laboratory fee \$175.*

### 25 Human Physiology

Study of the function of the major organs and organ systems of the human body. This course, emphasizing regulation and integration, proceeds from general cell function to an overview of the controlling mechanisms and finally to the individual systems. A strong high school science background is recommended. Three hours of lecture per week. Must be enrolled concurrently in **Biology 26**. Limited to majors in biology, allied health science, kinesiology, nursing or by consent of instructor. *Prerequisites:* **Chem 8, 9 (lab); 10, 11 (lab)** with a grade of C– or better; OR **Bio 10, 11 (lab)** and **Chem 2, 3 (lab)** with a grade of C– or better. *Does not satisfy Area B requirement in the pre-2012 general education requirements.*

### 26 Human Physiology Laboratory

Laboratory to accompany **Biology 25**. The laboratory consists of experiments and demonstrations designed to incorporate principles of physiology. One three-hour lab per week. Must be enrolled concurrently in **Biology 25**. *Laboratory fee \$185 (includes lab manual).*

### 34 Protecting Biodiversity

The primary goal of **Bio 034** (Protecting Biodiversity) is to introduce students to basic concepts of evolution, ecology and conservation in the service of protecting planetary biodiversity. The course will often focus on California, and how the natural history, ecology and issues within our state relate to topics elsewhere in the US and abroad. The information contained in this course will provide some of the intellectual tools necessary to understand the worldwide environmental crisis we are living through and perhaps some possible solutions. Students will be expected to develop a deeper appreciation for the intricacy and beauty of natural systems. Attention will be placed on honing the student's general knowledge of the scientific method through the laboratory and in-class exercises. *Satisfies Area B requirement in the pre-2012 general education requirements.*

### 40 Introductory Microbiology

The biology of microorganisms including bacteria, viruses and fungi, with emphasis on those forms of medical importance to man. Three hours of lecture per week. Must be enrolled concurrently in **Biology 41**.

### 41 Introductory Microbiology Laboratory

Laboratory to accompany **Biology 40**. Includes techniques for culture, isolation, characterization and identification of microorganisms. One lab per week for three hours. Must be enrolled concurrently in **Biology 40**. *Laboratory fee \$175.*

### 50 General Biology

A one semester introduction to the basic principles and concepts of biological science. Designed for students not majoring in biology. Three hours of lecture per week. Must be enrolled concurrently in **Biology 51**. *Satisfies Area B requirement in the pre-2012 general education requirements. Satisfies Scientific Understanding of the Core Curriculum.*

### 51 General Biology Laboratory

Laboratory to accompany **Biology 50**. One lab per week for three hours. Must be enrolled concurrently in **Biology 50**. *Laboratory fee \$175.*

### 55 Oceanography

An introductory course that examines the ocean world and its inhabitants. Topics include physical and chemical properties of sea water; tides and currents; geological principles; coastal and open ocean habitats; life in planktonic and benthic communities; coral reef, hydrothermal vent and mangrove ecosystems. Three hours of lecture per week. One lab per week for three hours. *Satisfies Area B requirement in the pre-2012 general education requirements. Laboratory fee \$175.*

### 80 Human Biology

This is a course to connect basic biology concepts using the human as an illustrative example. Basic scientific processes and the concepts of human biology will be explored through lecture and laboratory exercises. Topics will include science and society, the chemistry of living things, structure and function of cells, genetics, anatomy and physiology of the organ systems, reproduction, cancer, aging, evolution, human impacts and environmental issues. Open to all students interested in discovering the scientific process and the concepts of human biology. One three-hour lab per week. *Satisfies Area B requirement in the pre-2012 general education requirements.*

### 81 Human Biology Laboratory

Laboratory to accompany **Biology 80**. One lab per week for three hours. Must be enrolled concurrently in **Biology 80**. *Laboratory fee \$175.*

**88 Biology of Women**

Biology of Women is an introduction to the structure, physiology and genetics of women across the life span. The first half of the course will explore the genetic, hormonal and developmental basis of gender. We will study physiology and development from conception, through puberty, pregnancy and aging. The latter part of the course will deal with specific health concerns of women and focus on predominantly or uniquely gender-related illnesses and their physiologic basis. The laboratory is intended to demonstrate the varied processes of science and the scientific method using women's biology as the basic subject material. Open to men and women. *Satisfies Area B requirement in the pre-2012 general education requirements. Laboratory fee \$175. Satisfies Scientific Understanding of the Core Curriculum.*

**89 Biology of Women Laboratory**

Laboratory to accompany **Biology 88**. One lab per week for three hours. Must be enrolled concurrently in **Biology 88**. *Laboratory fee \$175.*

**UPPER DIVISION**

*Each upper-division course has prerequisites of **Biology 1, 1L and 2, 2L** with a grade of C– or better in each of these prerequisites.*

**100 Comparative Anatomy**

The course examines vertebrate form and function through the topics of vertebrate evolution, functional morphology and development, along with the study of soft tissues, organ systems and skin. Three lecture hours and one lab per week. *Laboratory fee \$175. Prerequisites: **Biology 1, 1L and Biology 2, 2L.***

**102 Developmental Biology and Embryology**

This course explores the processes during embryonic development of animals, including fertilization, establishment of a body plan, organ and organ system development. The topics will be examined with an emphasis on mechanisms controlling cell differentiation and morphogenesis. Three lecture hours and one lab per week. *Prerequisites: **Biology 1, 1L and 2, 2L and Chemistry 104, 106.** Laboratory fee \$175. Offered in alternate years.*

**105 Genetics**

This course examines the principles of biological inheritance in animals and plants. Topics include consideration of classical, molecular, population, quantitative and human genetics. Three hours per week of lecture and one lab per week for four hours. *Prerequisites: **Biology 1, 1L and 2, 2L.** Laboratory fee \$175.*

**110 Parasitism and Symbiology**

A comprehensive course in parasitology, focusing on the many facets of symbiosis common to every level of biology. It embraces the three basic types of intimate interrelationship between different species of organisms: parasitism, mutualism and commensalism. This course examines an array of interactions in all three types of interrelationships, at many levels of interdependency. All five

kingdoms, from bacteria, protozoa and fungi to plants and animals, are studied. Three lecture hours and one lab per week. *Prerequisites: **Biology 1, 1L and 2, 2L.** Laboratory fee \$175. Offered in alternate years.*

**113 Aquatic/Marine Biology**

This course examines aquatic habits (freshwater and marine) around the world with a particular focus on California. Topics include the physical, chemical, biological and ecological processes that create, shape and transform aquatic habitats. In addition students will learn how to study these systems as well as learn to identify major groups of freshwater invertebrates within the systems. Three lecture hours and one lab per week. *Prerequisites: **Biology 1, 1L and 2, 2L.** Laboratory fee \$175. Offered in alternate years.*

**115 Theory of Evolution**

Historical development of evolutionary theories. Modern concepts concerning the process of organic evolution, including population genetics, natural selection and the origin of species. Topics on macroevolution, including adaption and extinction. Three hours of lecture per week. *Prerequisites: **Biology 1, 1L and 2, 2L.***

**116 History and Philosophy of Biology**

Development of the major concepts of biology from antiquity to the modern era, with a consideration of what these developmental sequences show about the nature of the scientific process. Three hours of lecture per week. *Prerequisites: **Biology 1, 1L and 2, 2L.** Offered in alternate years.*

**119 Research Design and Biostatistics**

Principles of experimental design, sampling methodologies, data collection and analysis are discussed, along with practical applications of these areas in biological experimentation. Course includes use of computers. Three lecture hours and one lab per week. *Prerequisites: **Biology 1, 1L and 2, 2L.** Laboratory fee \$175. Offered alternate years.*

**120 Vertebrate Zoology**

Advanced study of the vertebrates, with attention to phylogeny, morphology and natural history of the major vertebrate groups. Laboratory and field work emphasize taxonomy of local forms, methods of study and special projects. Three lecture hours and one lab/field period per week. *Prerequisites: **Biology 1, 1L and 2, 2L.** Laboratory fee \$175. Offered in alternate years.*

**122 Comparative Animal Physiology**

The functions of the major organ systems of vertebrate and invertebrate animals. Emphasis on general principles of function as exemplified in the major animal phyla. Three lecture hours and one lab per week. *Prerequisites: **Biology 1, 1L and 2, 2L, Chemistry 104, 106.** Laboratory fee \$175. Offered in alternate years.*



## Curriculum Biology

### 125 General Ecology

This course examines the science of ecology, why it is important, and how it is practiced with a particular focus on California. Topics include physiological, population, community, and ecosystems ecology. The course is designed to encourage students to think about ecological theories and their application to real world situations. The lecture material and the lab require students to employ quantitative methods (i.e., math and statistics). Upon completion of the course, students will have a rich appreciation for the way organisms and their environment interact and shape each other as well as the interconnectedness of nature. *Prerequisites: Biology 1, 1L and 2, 2L. Laboratory fee \$175. Offered every semester.*

### 127 Systemic Physiology

Fundamental principles of general mammalian physiology combined with physiology of organ systems, including integrative and homeostatic mechanisms. Emphasis is on human physiology with examples taken from mammalian systems. Application of these principles to interpretation of disease is included. Laboratory includes human and mammalian experiments with emphasis on instrumentation and interpretation of results. Three lecture hours and one lab per week. *Prerequisites: Biology 1, 1L and 2, 2L, Chemistry 104, 106. Laboratory fee \$175.*

### 128 Advanced Human Anatomy

Study of the anatomy of the human body. This course is taught through a regional approach, emphasizing the structural relationships and functional aspects of gross anatomy, histology and embryology. References to the evolution of anatomic structure will be included. Extensive out of class dissections will be expected. This course is limited to Biology and Biochemistry majors. *Prerequisites: Biology 1, 1L and 2, 2L. Laboratory fee \$185. Note: Students who have taken Biology 15, 16 are not eligible to take Biology 128.*

### 130 Microbiology

An introduction to the structure, physiology and genetics of microorganisms, with focus on bacteria and viruses. The application of fundamental knowledge about these organisms to problems of medical microbiology is included. Laboratory involves application of bacteriological techniques to the study of taxonomy, physiology and genetics of bacteria and viruses. Three hours of lecture and one lab per week. *Prerequisites: Biology 1, 1L and 2, 2L, Chemistry 104, 106. Laboratory fee \$175. Offered in alternate years.*

### 132 Cell Biology

This course is designed to study selected areas of current interest in cell biology. Topics include fundamentals of cell structure, membrane structure and function, signal transduction and application to principles of cell biology to various processes such as embryonic development etc., and systems such as nervous system and immune system. Choice of topic varies. Emphasis is placed on experimental methods and answering the question "How do we know what we know?" Lab includes extensive exposure to cell culture methods. Three hours of lecture and one lab per week. *Prerequisites: Biology 1, 1L and 2, 2L, Chemistry 104, 106. Laboratory fee \$175. Offered in alternate years.*

### 135 Biochemistry

An introduction to protein, lipid and carbohydrate structure and function, metabolism of proteins, lipids, and carbohydrates and coordination of biochemical processes for normal functioning of the body. Consideration is given to the properties of enzymes and enzyme catalyzed reactions in the cell. Applications to human function, disease and diet are included. Three hours of lecture and one lab per week. *Prerequisites: Biology 1, 1L and 2, 2L, Chemistry 104, 106. Laboratory fee \$185.*

### 137 Molecular Biology

An introduction to the structure and function of the genetic apparatus. This course is a study of what genes are and how they operate, and includes recent discoveries in the areas of DNA, RNA and protein synthesis in both prokaryotes and eukaryotes. Laboratory includes both discussion and practice of techniques used in genetic engineering. Three hours of lecture and one lab per week. *Prerequisites: Biology 1, 1L and 2, 2L, Chemistry 104, 106. Laboratory fee \$185.*

### 139 Immunology

An introduction to the immune system: its components, how it functions, how it is regulated and how it is protective. The immune response and our ability to react to such a diversity of molecules with specificity are discussed in detail. In addition, the immunologic basis for tissue/organ transplant rejection, disease prevention vaccines and cancer immunotherapy are presented. Three hours of lecture and one lab period per week. *Prerequisites: Biology 1, 1L and 2, 2L, Chemistry 104, 106. Laboratory fee \$175.*

### 142 California Flora and Communities

Survey of selected plant communities of California. Includes a dual emphasis on field recognition of important plant families and genera of these communities and an understanding of the relationship of the component species to their environment. Labs are five weekend field trips. *Prerequisites: Biology 1, 1L and 2, 2L or by permission of instructor. Laboratory fee \$175. Offered in alternate years.*

**144 General Botany**

The study of plant biology at an advanced level, including topics in the structure and development, reproductive patterns, taxonomy, identification, phylogeny, and distribution of major plant groups. Three lecture hours and one lab per week. *Prerequisites: Biology 1, 1L and 2, 2L. Laboratory fee \$175. Offered in alternate years.*

**146 Plant Ecophysiology**

The functional aspects of plant life and the relation of plants to their physical, chemical and biological environment. Emphasis on the vascular plants. Three lecture hours and one lab/field period per week. *Prerequisites: Biology 1, 1L and 2, 2L. Laboratory fee \$175. Offered intermittently.*

**152 Conservation Science**

Conservation biology is a field of biological science that draws upon the principles of ecology, genetics and evolution in an effort to understand the patterns and processes underlying the biological diversity of our planet. The course examines the current status of our scientific understanding of biodiversity, threats to biodiversity resulting from human activities, and strategies to conserve and restore the integrity of the earth's biological systems. Course activities include case studies, computer modeling and field trips. Three hours of lecture and one lab/field period per week. *Prerequisites: Biology 1, 1L and 2, 2L or permission of instructor. Laboratory fee \$175. Offered in alternate years.*

**197 Special Study**

An independent study course for students whose needs are not met by courses available in the regular offerings of the department. Permission of the instructor and the department chair required. *Laboratory fee, when appropriate, \$175.*

**199 Special Study – Honors**

A research course for upper-division majors with a B average in biology. Permission of instructor and department chair required. *Laboratory fee, when appropriate, \$175.*

## BUSINESS ADMINISTRATION

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The Undergraduate Business Program of Saint Mary's College is committed fully 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 in which 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 a thorough grounding in all functional areas of business. For those interested in an in-depth study of a particular discipline, the Undergraduate Business Program offers a variety of concentrations: Global Business, Entrepreneurship, Marketing and Finance. In addition, the program offers an interdisciplinary concentration called Digital Media. All of these programs prepare students for entry-level careers, law school or other graduate study.

Exciting opportunities for student engagement and development lie outside of the classroom as well. "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.

### FACULTY

Rebecca Carroll, Ph.D., *Professor, Chair*  
Norman S. Bedford, Ph.D., *Professor*  
John C. Cassidy, Ph.D., *Associate Professor*  
Kim Clark, Ph.D., *Visiting Professor*  
Tom Cleveland, Ph.D., *Adjunct*  
Caroline Doran, Ph.D., *Adjunct*  
Larisa Genin, D.B.A., *Associate Professor, Associate Dean*  
Michael Hadani, Ph.D., *Associate Professor*  
William Halpin, J.D., *Adjunct*  
Kenji Klein, Ph.D., *Assistant Professor*  
Eric J. Kolhede, Ph.D., *Professor*  
Nancy Lam, Ph.D., *Assistant Professor*  
Zhan Li, D.B.A., *Professor, Dean*  
Samuel Lind, Ph.D., *Associate Professor*  
Barbara A. McGraw, J.D., Ph.D., *Professor*  
Anh Nguyen, Ph.D., *Assistant Professor*  
Michael O'Brien, J.D., *Adjunct*  
Kevin Okoeguale, Ph.D., *Assistant Professor*  
Wenting Pan, Ph.D., *Assistant Professor*  
Donald Snyder, Ph.D., *Professor Emeritus*  
Diana Ting Liu Wu, Ph.D., *Professor Emeritus*  
Andrew Wilson, Ph.D., *Associate Professor*  
Michelle Zak, Ph.D., *Adjunct*

### PROGRAM LEARNING OUTCOMES

- Graduates will be effective business analysts.
- Graduates will be effective business communicators.
- Graduates will be ethically conscious and socially responsible business people.
- Graduates will develop leadership qualities.
- Graduates will understand the impact of globalization.

### IMPORTANT NOTE REGARDING

#### NEW BUSINESS PROGRAM AVAILABILITY:

Students who entered Saint Mary's prior to Fall 2012 may opt to complete the programs in the catalog of their year of entry to Saint Mary's (the "2011–2012 and earlier programs") or they may opt to complete the revised 2012–2013 programs described below in this catalog (the "new programs"). Students are encouraged to complete the new programs when feasible. Some courses required for the 2011–2012 and earlier programs have been revised, but maintain the original course number. Such revised courses will fulfill the 2011–2012 and earlier programs' catalog requirements.

*Students opting for the 2011–2012 and earlier programs:*  
In the case of the Finance Concentration, **BusAd 135** will substitute for **BusAd 100A**, **BusAd 111** will substitute for **BusAd 100B**, **BusAd 140** will substitute for **BusAd 100C**. Those students graduating with a cumulative GPA of 3.0 in the Finance Concentration will receive an honors designation.

In the case of the Marketing Concentration, **BusAd 142** Strategic Marketing Management will no longer offered, and students may substitute **BusAd 140** for **142**. Students are encouraged to add **BusAd 128** Consumer Behavior, provided their schedule allows.

In the case of the International Business Concentration, the course name for **BusAd 180** has changed from "International Business" to "Global Business." Otherwise, earlier Catalog requirements for the "International Business Concentration" program remain the same.

*Students opting for new programs or required to take new programs:*

Students opting for new programs should consult carefully with their advisors regarding course substitutions and the feasibility of completing the new programs.

Students who enter Saint Mary's after Fall 2012 are required to enroll in the new programs.

### PROGRAM PLANNING NOTES

#### General Program Requirements:

The business major consists of the Business Core plus either the requirements for General Business (for students who do not choose a concentration) or the choice of one of the available Concentrations: Global Business, Finance, Marketing, Entrepreneurship, and Digital Media.

Students are responsible for meeting with their advisors to plan for completion of their degree programs. Some courses are offered in alternating semesters, and the student is responsible for enrolling in required courses in the term in which they are offered. Waiver of prerequisites or class standing requires the approval of the department chair. Students may not transfer for credit in the major more than two upper-division courses.

#### Prerequisite Grades:

Students must pass with a grade of C– or higher any prerequisite course listed for the Business Administration Department.

#### BusAd 140 Strategic Management Prerequisites:

The prerequisites for **BusAd 140** are the lower division core courses, the SMC Core Curriculum math requirement, and **BusAd 123, 124, 131, 132, and 181**. Students must take these courses prior to the spring semester of their senior year.

#### Lower Division Courses as Prerequisites:

Students should complete lower-division business core courses prior to enrolling in upper-division courses for the major, except in the following cases: (a) students may concurrently complete either **Accounting 2** or **Economics 4** in the same semester as beginning their upper-division courses, (b) for **BusAd 131** Leading and Managing in Organizations and **BusAd 124** Marketing, the prerequisites are only **BusAd 10 Global Perspectives in Business and Society** and **BusAd 40 Business Statistics**, (c) for **BusAd 127 Business Communication**, the prerequisites are **English 4** and **5**. Students may take **BusAd 124, BusAd 127, and BusAd 131** with Sophomore standing.

#### 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.

#### Course Availability:

Only the business core courses are offered every semester. Consequently, students must plan carefully with their advisors how best to complete their program of study.

#### Important Note on the Math Requirement:

Students must complete the SMC Core Curriculum Math requirement no later than the end of the sophomore year. This subject-area will provide needed analytical tools for success in business courses and is a pre-requisite for most upper division business courses. Also, please note that additional math may be required for admission to graduate schools or for certain job placements. (Note: the Department of Mathematics does not permit students to satisfy the Math requirement online. Seniors will not be admitted to **Math 3**, Finite Math).

#### Important Note on Course Offerings:

Please see course descriptions for when courses are offered. Some courses are not offered every year.

## MAJOR REQUIREMENTS

### BUSINESS ADMINISTRATION CORE

(Required for all business majors)

#### LOWER DIVISION (6 courses)

*The following six courses must be completed by the end of the sophomore year, unless a waiver has been obtained from the Business Administration Department chair or, in the case of BusAd 10, the student is a transfer entering as a junior.*

**BusAd 10 Global Perspectives in Business and Society\*\***

**BusAd 40 Statistics**

**Acctg 1 Financial Accounting**

**Acctg 2 Managerial Accounting**

**Econ 3 Micro-Economic Theory**

**Econ 4 Macro-Economic Theory**

#### UPPER DIVISION (7 courses)

**BusAd 123 Financial Management**

**BusAd 124 Marketing**

**BusAd 127 Business Communication**

**BusAd 131 Managing and Leading in Organizations**

**BusAd 132 Global Operations Management**

**BusAd 140 Strategic Management**

[formerly BusAd 100C]

**BusAd 181 Business Ethics and Social Responsibility**

\*\* This course is waived for transfer students entering Saint Mary's after their sophomore year.

## Curriculum Business Administration

### GENERAL BUSINESS (NO CONCENTRATION):

The Business Core (see above) + Two Additional Required Courses + Two Electives.

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

#### *Two Additional Required Courses:*

BusAd 120 Law and Business

BusAd 180 Global Business

#### *Two electives (from the following choices):*

BusAd 110 Entrepreneurship

BusAd 112 Small Business Management

BusAd 121 Advanced Legal Topics

BusAd 126 Applied Marketing Research

BusAd 128 Consumer Behavior

BusAd 137 Advanced Quantitative Methods

BusAd 175 Management Information Systems

Econ 105 Micro-Economic Theory

Econ 106 Macro-Economic Theory

Either Econ 175 Multinational Enterprises or

Econ 170 Industrial Organizations

(Econ 105 is an additional prerequisite for Econ 175)

Either Econ 130 Money, Finance, and Economic Crises

or BusAd 136 Investments (Econ 106 is an additional prerequisite for Econ 130)

### CONCENTRATIONS:

The Business Core (see above) + Four Concentration Requirements (+ a study abroad requirement for the Global Business Concentration)

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 who complete a concentration program will receive the degree of Bachelor of Science in Business Administration with the corresponding concentration designation. Students may choose to complete more than one concentration; however, doing so will probably require additional time beyond the usual four years.

#### *Finance Concentration*

1. BusAd 135 International Financial Management (formerly BusAd 100A)
2. BusAd 136 Investments (cross-listed with Econ 136)
3. BusAd 137 Advanced Quantitative Methods
4. BusAd 111 New Venture Financing (formerly BusAd 100B)

#### *Marketing Concentration*

1. BusAd 126 Applied Marketing Research
2. BusAd 128 Consumer Behavior
3. BusAd 129 Global Marketing
4. BusAd 113 Business in the Digital Age

#### *Global Business Concentration*

1. BusAd 180 Global Business
  2. BusAd 135 International Financial Management
  3. BusAd 129 Global Marketing
  4. BusAd 185 Managing the Global Firm
- One semester of the junior year must be study abroad

#### *Entrepreneurship Concentration*

1. BusAd 110 Entrepreneurship
2. BusAd 111 New Venture Financing
3. BusAd 112 Small Business Management
4. BusAd 113 Business in the Digital Age

#### *Digital Media Concentration*

1. BusAd 113 Business in the Digital Age
2. Comm 125 Introduction to Media, Technology, and Culture
3. Art 65 Digital Foundations 2: Web Design and Interactive Art
4. Art 165 Experimental Interactive Media

## MINOR REQUIREMENTS

A student may earn only one minor in the School of Economics and Business Administration. The requirements for a minor are Accounting 1, 2; Economics 3, 4; BusAd 40, 120, 123, 124; two additional upper-division Business Administration courses.

## INTERNSHIPS

Students who want to combine study with practical experience in business should contact 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 BusAd 195.



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**C O U R S E S**
**LOWER DIVISION****10 Global Perspectives in Business and Society**

An introduction to business and society from a global perspective. This course addresses the challenges of doing business around the world and places business in the context of globalization—social, political, religious, economic, geographical, and environmental. Topics include the global mindset, cultural risks, environmental concerns, trade and investment in developing and newly emerging economies, an introduction to currency risk, the ways multi-national Non-Government Organizations contribute to the social and political environment of business, cross-cultural worldviews of what constitutes a moral economy, an introduction to global political and economic institutions (e.g., the IMF, World Bank, and United Nations), and how business can serve social justice or perhaps undermine it. *Offered every semester. Satisfies Global Perspectives of the Core Curriculum.*

**40 Business Statistics**

Introduction to statistical concepts used to assist in making decisions under conditions of uncertainty. Topics include the collection and analysis of data, probability and probability distributions, hypothesis testing, linear regression, and correlation. This course may not be taken for credit in addition to **Mathematics 4** or **Psychology 3**. *Offered every semester.*

**UPPER DIVISION****110 Entrepreneurship**

An introduction to the concepts, tools, strategies, and practices of the entrepreneurship processes for both a start-up businesses as well as a Strategic Business Unit in an existing company. Topics include identifying new venture opportunities, idea generation, innovation, new product/service development, industry research, competitive analysis, legal and regulatory requirements for new ventures, and business and marketing plan development. Examination of the changing business environment is emphasized to allow students to understand the need to make strategic adjustments to their business model on a continuing basis. *Offered fall semester only, beginning fall 2013. Prerequisites: Lower-division business core courses and the core curriculum math requirement, except that this course may be taken concurrently with Accounting 2 or Economics 4.*

**111 New Venture Financing**

The study of raising capital for new ventures involving start-up businesses, financing a strategic unit or project within an existing company, and solving financial problems unique to small- and medium-sized firms undergoing rapid growth. Topics for this course include raising seed capital from venture capital, business angels, investment banking, and commercial banking sources; legal and regulatory issues that arise in new venture financing; exit strategies, and financial modeling to determine the financial health of companies and strategies for their growth. *Offered spring semester only. Prerequisites: Lower-division business core courses and the core curriculum math requirement, except that this course may be taken concurrently with Accounting 2 or Economics 4.*

**112 Small Business Management**

An examination of small business practices and strategies in both private and public companies. Topics include employee motivation, green marketing, franchising, e-commerce, and technology. Other issues incorporated into the course are managing diversity in the work place, team development, managing change in the face of global competition, relevant financial statements, and legal matters relating to small business (e.g., contracts and business forms). Continuous improvement methods to meet the changing demands of customers as well as information technology to increase efficiencies are also addressed. *Offered spring semester only, beginning spring 2014. Prerequisites: BusAd 131; Lower-division business core courses and the core curriculum math requirement, except that this course may be taken concurrently with Accounting 2 or Economics 4.*

**113 Business in the Digital Age**

An examination of the impact of digital technologies on business and their use in corporate communication and on-line marketing. Specific topics will include globalization, collaboration, and metrics. This course will delve into common digital marketing tools, such as email, SMS, social media like Twitter and Facebook, online video, blogs, search marketing, online advertising, digital signage, and more. How do companies today use these tools, and how should they adapt as technology changes? Are they different from “traditional” marketing tools, or simply new media? Students will learn the application of many of these tools through hands-on experience. *Offered every semester. Prerequisites: Lower-division business core courses and the core curriculum math requirement, except that this course may be taken concurrently with Accounting 2 or Economics 4.*

## Curriculum Business Administration

### 120 Law and Business

Introduces students to the history, philosophies and structure of the U.S. legal system, then focuses on the central elements of that system to which they are likely to be exposed during their business careers. Provides them with an understanding of contract principles, business torts, white-collar crime, business organization structures and other related topics. *Offered every semester. Prerequisites: Lower-division business core courses and the core curriculum math requirement, except that this course may be taken concurrently with Accounting 2 or Economics 4.*

### 121 Advanced Legal Topics in Business

This course offers an analysis of how business managers can effectively operate their businesses in an environment of ever-increasing involvement of the legal system in business affairs. Discusses the origins of the various statutory and regulatory schemes and how they relate to public policy, covering such areas as securities regulation, insider trading, intellectual property rights, anti-trust legislation, fair competition practices, environmental protection, trade unions, employment regulations, product safety and consumer protection. *Offered spring semester only. Prerequisites: BusAd 120; Lower-division business core courses and the core curriculum math requirement.*

### 123 Financial Management

A study of the organization and financial administration of business enterprise. The course includes such topics as financial analysis, value and value theory, risk analysis, investment decisions, corporate finance and theory, working capital management and related topics. *Offered every semester. Prerequisites: Lower division business core courses and the core curriculum math requirement.*

### 124 Marketing

The principles of major areas of marketing decision-making that confront organizations. Topics include the utilization of marketing information systems as well as the formulation and implementation of integrated product, pricing, distribution and promotion strategies. *Offered every semester. Prerequisites: BusAd 10 and BusAd 40.*

### 126 Applied Marketing Research

A detailed overview of marketing research, strategic marketing planning and the development of fully integrated marketing programs. Topics include market analysis, marketing mix strategies, product positioning, market segmentation, and related social and ethical issues. *Offered fall semester only. Prerequisites: BusAd 124; Lower-division business core courses and the core curriculum math requirement.*

### 127 Business Communication

This course emphasizes the kinds of communication students can expect in complex organizations with multiple audiences. Grounded in competition, course material includes in-depth categorical editing, organizational strategies for informative and persuasive writing and speaking, construction and presentation of arguments, and use of executive summaries. *Offered every semester. Prerequisites: English 4 and 5.*

### 128 Consumer Behavior

An examination of the influence of socio-cultural and psychological factors on consumer buying behavior and the determinants of the buying decision process in consumer and business markets. Students will apply concepts of consumer behavior and industrial buying processes to the practice of market segmentation and the formulation of marketing strategies. Specific topics include consumer social influences, perception, personality theory, online consumer behavior, customer satisfaction, and customer relationship management, among others. *Offered fall semester only. Prerequisites: BusAd 124; Lower-division business core courses and the core curriculum math requirement.*

### 129 Global Marketing

An exploration of the international marketing environment and its impact on marketing practice. Topics include the benefits, risks, and complexities of marketing abroad with particular emphasis on multi-cultural aspects and their implications for market entry, global competitive strategies, and formulating suitable product, promotion, pricing and distribution strategies for international markets. *Offered spring semester only, beginning spring 2014. Prerequisites: BusAd 124; Lower-division business core courses and the core curriculum math requirement.*

### 130 Sports Marketing

This course explores basic marketing concepts as they are applied to sports organizations, both amateur and professional. It addresses unique challenges, limitations, and new trends in sports marketing, as well as the marketing of sports products and the use of sports to market non-sports products. Topics include the sports marketing mix, market segmentation, sports consumer behavior, branding, and sponsorship. *Prerequisite: Kinesiology 20 or all lower-division business core courses and the core curriculum math requirement (or by permission of instructor).*

### 131 Managing and Leading in Organizations

The study of the structure, functioning, and performance of organizations, and the impact of psychological and sociological variables on the behavior of groups and individuals within them. Topics include motivation, leadership, decision-making, power and influence, group and team dynamics, conflict resolution, creativity and innovation, organizational change, and managing across cultures. *Offered every semester. Prerequisites: Lower-division business core courses and the core curriculum math requirement, except that this course may be taken concurrently with Accounting 2 or Economics 4.*

### 132 Global Operations Management

A study of the design and execution of the production or service system for providing products or services to meet demand. As efficiency barriers of time and space between companies are breaking down, operations function must adopt a global dimension to remain competitive. The course provides concepts and tools for evaluating and improving the operations of a firm. The specific topics include process analysis, waiting line analysis, quality management, project management, inventory management, and supply chain management. *Offered every semester. Prerequisites: Lower-division business core courses and the core curriculum math requirement.*

### 135 International Financial Management

An examination of the principles and practices of the financing and investment decisions of multinational firms operating globally. Topics include foreign exchange markets and instruments, corporate exchange risk management, international investment decisions, global financing strategies, and related issues. As such, this course extends financial management and investment to the international environment. *Offered fall semester only. Prerequisites: BusAd 123; Lower-division business core courses and the core curriculum math requirement.*

### 136 Investments (cross-listed with Economics 136)

Description and analysis of the securities market (bonds, stocks, etc.) from the viewpoint of the private investor. The student is introduced to asset valuation theories as well as the basis of portfolio selection. Particular emphasis is placed on the trade-off between risk and return, both for the individual assets and in a portfolio context. *Prerequisite: BusAd 40 or equivalent.*

### 137 Advanced Quantitative Methods

A rigorous analytical course involving the study of the theories and practices of diverse statistical methods and procedures that enable managers to judiciously use data in solving complex problems in finance, marketing, operations, and corporate strategy, and providing business analysts with a sound conceptual understanding of the role management science plays in the decision-making process. Students are introduced to advanced statistical tools and techniques for quantitative analysis to support conclusions drawn from empirical evidence for effective decision-making under conditions of uncertainty. Topics include multivariate statistical analysis, multiple linear and logistic regression modeling, time-series analysis, optimization, computer simulation, waiting line models, principal component, factor and cluster analysis, and multidimensional scaling. *Offered spring semester only, beginning spring 2014. Prerequisites: Lower-division business core courses and the core curriculum math requirement.*

### 140 Strategic Management

A capstone course taken in the spring term of the senior year, it integrates the major functional operating areas of business firms viewed within the broader context of strategic management, i.e., the process of managerial decision-making and actions that determine the long-run performance of business organizations. *Offered spring semester only. Prerequisites: BusAd 123; BusAd 124; BusAd 131; BusAd 132; BusAd 181; Lower-division business core courses and the core curriculum math requirement.*

### 175 Management Information Systems

An overview of business applications of information technology. How networked computers, data, technical specialists, and managers combine to form an information system. The role of information systems in marketing, finance, production, and other areas. Ways to create and use information systems. *Offered spring semester only, beginning spring 2014. Prerequisites: Lower-division business core courses and the core curriculum math requirement.*

### 180 Global Business

An overview of the special opportunities and risks firms face as a result of the rapid globalization of business. Topics include the economic, cultural, and institutional factors that must be considered; the marketing, financial, managerial, and strategic considerations that lead to success. *Offered every semester. Prerequisites: Lower-division business core courses and the core curriculum math requirement.*

### 181 Business Ethics and Social Responsibility

The study and application of ethical decision-making, leadership, and social responsibility in business, grounded in personal and company core values. Topics include the moral dimensions of political and economic context of business; utilitarian, Kantian, and virtue ethics; creating ethical company cultures; the role of the firm in society and theories of corporate social responsibility, including sustainability (economic, social, ecological); cross-cultural dimensions of multinational business; and social responsibility focused regulation (e.g., Sarbanes-Oxley). *Offered every semester. Prerequisites: Lower-division business core courses and the core curriculum math requirement, except that this course may be taken concurrently with Accounting 2 or Economics 4.*

## **Curriculum Business Administration**

### **185 Managing the Global Firm**

An exploration of the global manager's environment, which includes the cultural context of global management, formulating and implementing strategy for international and global operations, and global human resources management. The course helps students to develop a global vision and global management abilities at the organizational, strategic, and interpersonal level. Topics include cross-cultural management, global human resource management, global workforce planning (people, mobility), developing and managing global competencies (people and processes), and labor relations policies and management. *Prerequisites: Lower-division business core courses and the core curriculum math requirement; BusAd 131.*

### **195 Internship**

Work-study program conducted in an internship position under the supervision of a faculty member. Normally open to junior and senior students only. *Permission of instructor and department chair required.*

### **197 Independent Study**

An independent study or research course for students whose needs go beyond the regular courses in the curriculum. *Permission of the instructor and department chair required.*

## 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 substance 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

Michelle L. Shulman, Ph.D., *Associate Professor, Chair*

Kenneth J. Brown, Ph.D., *Professor*

Steven J. Bachofer, Ph.D., *Professor*

Debjani Bhaduri, Ph.D., *Adjunct Professor*

Valerie A. Burke, Ph.D., *Associate Professor*

Joel D. Burley, Ph.D., *Professor*

John S. Correia, Ph.D., *Professor Emeritus*

Patricia Jackson, Ph.D., *Adjunct Professor*

Mark Lingwood, Ph.D., *Assistant Professor*

Jeffrey A. Sigman, Ph.D., *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

### ADMISSION REQUIREMENTS

Students planning a major in chemistry must 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).

### MAJOR REQUIREMENTS

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

- (1) the standard chemistry major
- (2) the chemistry major with an environmental concentration
- (3) the biochemistry major (offered jointly with the Biology Department; see Biochemistry major for more information)

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

### LOWER DIVISION

The following lower-division courses are required for the two majors in chemistry: **Chemistry 8, 9 (lab), 10, 11 (lab), 89; Mathematics 27, 38**. Each major has additional lower-division requirements as follows:

- For the standard chemistry major, students must also take **Mathematics 39** and **Physics 1, 2 (lab), 3, 4 (lab)**.
- For the chemistry major—environmental concentration, students must also take: **Physics 1, 2 (lab), 3, 4 (lab)** or **Physics 10, 20 (lab), 11, 21 (lab)**; and **Biology 1, 1L (lab)** and **2, 2L (lab)**.

### UPPER DIVISION

The following upper-division courses are required for the two majors in chemistry: **Chemistry 104, 106, 114, 115, 130**. Each major concentration has additional upper-division requirements as follows:

- For the standard chemistry major, students must take **Chemistry 108, 110, 111 or 119, 118, 197 or 199**.
- For the environmental concentration, students must take **Chemistry 108 or 118, 119**, and one other upper-division chemistry course. Also required are **Biology 125** and either **Biology 113, 146, or 152**.



## Curriculum Chemistry

### MINOR REQUIREMENTS

The minor in chemistry requires **Chemistry 8, 9 (lab)** and **10, 11 (lab)**, and any three upper-division chemistry courses beyond **Chemistry 104**.

### PREREQUISITE GRADE

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

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## C O U R S E S

### LOWER DIVISION

#### 2 Principles of Chemistry

An introduction to topics in organic chemistry and biochemistry for those students with an interest in the life sciences. Students may not enroll in this course until they have been sufficiently counseled as to whether it is appropriate to their needs. This course is designed for nursing and kinesiology students. Four lectures per week. *Prerequisite: one year of high school chemistry. Offered every spring.*

#### 3 Principles of Chemistry Lab (.25)

Laboratory to accompany **Chemistry 2**. Must be taken concurrently with **Chemistry 2**. A simplified introduction to experimentation in chemistry. One lab per week. *Laboratory fee required. Offered every spring.*

#### 8 General Chemistry I

A study of the fundamental principles of chemical science and the chemistry of the more common elements and their compounds. Four lectures per week. Admission requires high school chemistry and an adequate score on a math diagnostic exam. *Offered every semester. Satisfies Scientific Understanding of the Core Curriculum.*

#### 9 General Chemistry Lab I (.25)

Laboratory to accompany **Chemistry 8**. Must be taken concurrently with **Chemistry 8**. An introduction to experimentation in chemistry. One lab per week. *Laboratory fee required. Offered every semester.*

#### 10 General Chemistry II

A continuation of **Chemistry 8**. Four lectures per week. *Prerequisites: Chemistry 8, 9 with grades of C– or better. Offered every spring.*

#### 11 General Chemistry Lab II (.25)

Laboratory to accompany **Chemistry 10**. Must be taken concurrently with **Chemistry 10**. One lab per week. *Prerequisites: Chemistry 8, 9. Laboratory fee required. Offered every spring.*

#### 20 Concepts in Chemistry

A course especially designed to acquaint the non-science student with science as a way of thinking and to introduce important chemical concepts and their relation to human activities. Three lectures and one lab per week. *Laboratory fee required.*

#### 89 Chemical Literature (.25)

A systematic investigation of the literature of chemistry and allied fields. *Offered every fall.*

### UPPER DIVISION

**Chemistry 8, 9 (lab), 10 and 11 (lab)** with grades of C– or better are prerequisite to all upper-division courses. **Chemistry 104 and 106** are prerequisite to **Chemistry 108, 110, 111 and 130, 135, 136 and 138**.

#### 104 Organic Chemistry I

An introduction to the concepts of structure and reactivity of organic compounds. Four lectures and one lab per week. **Chemistry 104** is offered only in the fall term. *Laboratory fee required. Offered every fall.*

#### 106 Organic Chemistry II

A continuation of **Chemistry 104**. Four lectures and one lab per week. *Prerequisite: Chemistry 104 with a grade of C– or better. Laboratory fee required. Offered every spring.*

#### 108 Theory and Practice of Separation and Identification

A study of the separation, purification, and identification of compounds using chemical, chromatographic and spectroscopic techniques. Two lectures and two labs per week. *Laboratory fee required. Offered in alternate years, fall semester.*

#### 110 Special Topics in Chemistry

An exploration of important areas in modern chemical research involving various elements of the discipline. The course includes reading and discussion of journal articles and may include use of the computer for molecular modeling, information retrieval and analysis of data, depending on the selected topics. A prime learning objective of this course is to assist the student to use other instructional materials besides textbooks. *Prerequisites: Chemistry 89 and Chemistry 130. Offered in alternate years, spring semester.*

#### 111 Advanced Organic Chemistry

An in-depth examination of the important mechanisms of organic reactions, the methods used to study them, and the relationship between structure and reactivity. Three lectures per week. *Offered in alternate years, spring semester.*

#### 114 Physical Chemistry I

A study of chemical theory, specifically thermodynamics, chemical kinetics, and quantum mechanics. Three meetings and one lab per week. *Prerequisites: Mathematics 27, 28 (38 preferred). Laboratory fee required. Offered in alternate years, fall semester.*

#### 115 Physical Chemistry II

A continuation of **Chemistry 114**. Three lectures and one lab per week. *Prerequisite: Chemistry 114 with a passing grade. Laboratory fee required. Offered in alternate years, spring semester.*

**118 Instrumental Chemical Analysis**

A study of the principles used in the design and construction of instruments and their applications in chemistry. Two lectures and two labs per week. *Laboratory fee required. Offered in alternate years, spring semester.*

**119 Environmental Chemistry**

A study of the theory and practice of water, air and soil chemistry with emphasis on the problem areas within our environment. Three lectures and one lab per week. *Laboratory fee required. Offered in alternate years, fall semester.*

**130 Advanced Inorganic Chemistry**

A study of the structures, reactions and relationships of the elements and their compounds. Three lectures per week. *Offered in alternate years, fall semester.*

**135 Biochemistry** (cross-listed with Biology)

A study of the biochemical principles with an emphasis on enzymes and metabolism of biochemistry. Three lectures and one lab per week. *Laboratory fee required. Offered every year, fall semester. Prerequisites: Biology 1, 1L, and 2, 2L.*

**136 Advanced Topics in Biochemistry**

(cross-listed with Biology)

A further study of the biochemical principles with an emphasis on macromolecular structures, membrane related topics (structure, transport, signal recognition and transduction, and other topics not covered in biochemistry). Three lectures and one lab per week. *Laboratory fee required. Offered every alternate year, spring semester. Prerequisite: Biochemistry 135 (Bio 135).*

**138 Biophysical Chemistry**

A study of the physical chemical aspects of biochemistry. Three lectures per week. *Offered in alternate years, spring semester. Prerequisites: Mathematics 27, 28, or 38.*

**197 Special Study**

Laboratory research in chemistry, under the direction of a faculty advisor. Results from the research project will be summarized in the form of a written thesis and an oral or poster presentation. *Prerequisites: senior standing and the consent of the faculty advisor. Laboratory fee required. Offered as needed.*

**199 Special Study – Honors**

Laboratory research in chemistry, under the direction of a faculty advisor. Results from the research project will be summarized in the form of a written thesis and an oral or poster presentation. *Prerequisites: senior standing, a 3.0 GPA (minimum) in chemistry coursework and the consent of the faculty advisor. Laboratory fee required. Offered as needed.*

### CLASSICAL LANGUAGES

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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 pragmatically desirable perks of Classical studies.

#### FACULTY

John A. Dragstedt, Ph.D., *Professor, Chair*

Michael Riley, Ph.D., *Professor, Chair*

Rali Christo, Ph.D., *Lecturer*

John A. Dragstedt, Ph.D., *Professor*

Brother S. Dominic Ruegg, FSC, Ph.D.,  
*Professor Emeritus*

#### 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.

**GREEK MAJOR**

Greek 3 and 4 or an acceptable equivalent are prerequisite to all upper-division courses, except for Greek 163 and 166.

**LATIN MAJOR**

Latin 3 and 4 or an acceptable equivalent are prerequisite to all upper-division courses, except for Latin 163.

**UPPER DIVISION CLASSICS MAJOR**

Eight upper-division courses combining study of Latin and Greek.

**GREEK MAJOR**

Eight upper-division courses focused on Greek.

**LATIN MAJOR**

Eight upper-division courses focused on Latin.

**MINOR REQUIREMENTS**

The minor in Latin requires Latin 101, 102, 110 and two electives in Latin. The minor in Greek requires Greek 101, 102, 106 and two electives in Greek.

**PREREQUISITE GRADE**

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

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**C O U R S E S**

**CLASSICAL LANGUAGES**

**LOWER DIVISION**

**1 Etymology: The Greek and Latin Roots in English (.25)**

A course in vocabulary-building and word-power. Students learn how to decode a wide range of complicated English vocabulary, to make better and more precise vocabulary choices, and to improve oral and written communication skills. Over 60 percent of all English words have Greek or Latin roots. In the sciences and technology, the figure rises to over 90 percent. This course surveys Greek and Latin derivatives in English and examines the contexts in which the original meanings have changed. Students learn to interpret correctly the semantic range of Greek and Latin roots in English. The English language emerges as a dynamic system intricately linked to historical, social, and cultural realities.

**UPPER DIVISION**

**100 Classical Mythology**

Introductory course. Study of the highly flexible narrative content of Greek and Roman myths, the underlying thought patterns behind it, and the ancient attitudes to myth in our main sources, the literary works of Greek and Roman writers. Classical myths and mythological references in both Classical and non-Classical literature and art emerge in historical contexts.

**GREEK**

**1 Elementary Greek**

Beginner's course. Morphology, syntax, introduction to the reflective and scientific analysis of language. (Cross-listed as Integral 51.)

**2 Elementary Greek**

Continuation of Greek 1. Reading of texts of Plato and Aristotle. *Prerequisite:* Greek 1. (Cross-listed as Integral 52.)

**3 Intermediate Greek**

Reading of selected authors, study of various types of discourse. Reading of Plato, Aristotle, lyric poetry and drama. Discussion of logic, rhetoric and dialectic. *Prerequisite:* Greek 2. (Cross-listed as Integral 53.)

**4 Intermediate Greek**

Continuation of Greek 3. *Prerequisite:* Greek 3. (Cross-listed as Integral 54.)

**LATIN**

**1 Elementary Latin**

Beginner's course. Morphology, syntax, exercises in composition and translation.

**2 Elementary Latin**

Continuation of Latin 1. *Prerequisite:* Latin 1.

**3 Intermediate Latin**

Reading of prose. Deepened study of language. *Prerequisite:* Latin 2.

**4 Intermediate Latin**

Reading of poetry. *Prerequisite:* Latin 3.

## Curriculum Classical Languages

### GREEK

#### 101 Plato

A reading of a shorter and a longer dialogue with consideration of the contemporary background, and the range of philological and philosophical questions. A number of the dialogues that are lesser-known are read and considered in translation. An attempt is made to view the totality of Plato's work and life.

#### 102 Homer

A study of epic dialect and technique of composition; methods of historical and literary interpretation. The nature of myth and a comparison of the diverse forms of ancient epic in various cultures are topics.

#### 103 Greek Historians

The history of Greek historiography is studied by examples of the methods of Herodotus, Thucydides, Xenophon and Polybius from their texts.

#### 105 Greek Orators

Why rhetoric was the major science of antiquity is investigated. Examples are taken from the canon of Attic orators.

#### 106 Greek Dramatists

Greek playwrights are studied in as broad a representation as possible: the tragedians, Aristophanes and Menander.

#### 107 Aristotle

A study of Aristotle's scientific method and its relationship to metaphysics as exemplified in the *Physics* and *Metaphysics*, as well as of his concept of dialectic as opposed to that of Plato.

#### 110 New Testament Greek

A sampling of Hellenistic Greek is studied as background, and the course then concentrates upon the Gospels and Paul in selection.

#### 115 Greek Lyric Poets

Special attention is accorded Pindar. The history of Greek lyric is studied in examples.

#### 160 Greek Literature in Translation

Texts of epic, dramatic, lyric, and historical and philosophical genres are presented and discussed, and their relationships to modern literature considered.

#### 163 Greek History and Civilization

A study of the religious, social, political and economic conditions of Ancient Greece (2000–250 B.C.) through history and archaeology. Selected ancient authors are read in their historical context. The course is the first half of a study of ancient history. (Cross-listed as **History 181**.) Offered in alternate years.

#### 166 Classical Archaeology

A study of the topography and monuments of Greece and Rome. Methods of archeological research.

#### 199 Special Study – Honors

An independent study or research course for upper-division majors with a B average in Greek. Permission of the instructor and department chair is required. Course normally requires Greek composition. On an individual basis, students work with composition textbooks to submit for revision their own renderings into Classical Greek.

### LATIN

#### 101 Cicero

The full variety of Cicero's texts is sampled, and he is located within the history of the Roman Republic.

#### 102 Roman Historians

A study of representative texts of Sallust, Livy and Tacitus, with attention to the widest range of interpretative problems.

#### 103 Patristic Latin

Texts of Tertullian, Augustine and Boethius are read, with special attention to *Confessions*.

#### 104 Roman Comedy

A study of the plays of Plautus and Terence, with attention to contemporary social history and the traditions of the stage.

#### 108 Horace

A study of Horace's major lyrics, with admission of various methods of interpretation for discussion.

#### 109 Roman Law

The nature and history of Roman law is studied in translation. Its theoretical and historical relation to common law is examined.

#### 110 Virgil

The entire corpus of Virgil's writing is sampled. Philosophical and literary problems are examined.

#### 161 Latin Literature in Translation

Texts of all genres are considered. Historical background and mythological tradition are presented as well as connections to modernity.

#### 163 Roman History and Civilization

A study of pre-Roman Italy and the growth of Rome into a worldwide empire (1000 B.C.–450 A.D.) through history and archaeology. Selected ancient authors are read in their historical context. The course is the second half of a study of ancient history. (Cross-listed as **History 182**.) Offered in alternate years.

#### 199 Special Study – Honors

An independent study or research course for upper-division majors with a B average in Latin. *Permission of instructor and department chair is required.*



## COLLEGIATE SEMINAR PROGRAM

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The Collegiate Seminar Program involves all undergraduate students and faculty in a four-course series of exploration and discussion centered on the great writings that have shaped the thought and imagination of the Western world. The program aims to develop in students skills of analysis, critical reading, critical thinking, perspective-taking, interpretation and communication to help them read and discuss significant works 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 establishes questions about the texts to challenge the students to develop, through the process of careful reading and discussion, defensible interpretations of their own. Discussion entails the stating of opinions and the uncovering of assumptions; students present evidence to support their position or to defend it against objections; they respond to other students' views, exposing the contradictions and clarifying ambiguities. Via substantial writing assignments, students continue their inquiry into the texts, developing a thesis supported by cogent analysis based on textual evidence.

Through engagement in discussion and writing, students are encouraged to read actively, to think critically, to listen well, to converse in a spirit of cooperation, and to reflect upon and refine their ideas and opinions, developing skills they can use throughout their lives. All students entering before Fall 2012 are required to take Seminar 20 in fall and 21 in spring (regardless of graduation plans) and are expected to complete 122 during their sophomore year and 123 during their junior year.

Entering transfer students enroll in **Seminar 102** and then take **Seminar 103** and **104** as required.

Students matriculating as freshmen are subject to the Core Curriculum requirements (see Program of Study). Such students are required to take **SEM 1, 2, 103, and 104**, as follows: **SEM 1** in Spring of the first year, **SEM 2** 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

Jose Feito, *Director, Psychology*  
 Deanne Kruse, *Program Manager*  
 Carla Bossard, *Biology*  
 Brother Charles Hilken, *FSC, History*  
 Barry Horwitz, *English*  
 Lewis Jordan, *Seminar*  
 Tereza Joy Kramer, *Director, Center for Writing Across the Curriculum*  
 Hilda Ma, *English*  
 Susan Marston, *Education*  
 Rashaan Meneses, *Liberal & Civic Studies Program*  
 Edward Porcella, *Integral Liberal Arts*  
 Ellen Rigsby, *Communication*  
 Grete Stenersen, *Director, Critical Perspectives*  
 Frances M. Sweeney, *Modern Languages*

### GOALS OF THE COLLEGIATE SEMINAR PROGRAM

The Collegiate Seminar Program 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.

### COLLEGIATE SEMINAR VISION STATEMENT

The Collegiate Seminar Program 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.

### LEARNING OUTCOMES

**Seminar Specific Learning Outcomes:** As a result of their participation in the Collegiate Seminar Program, 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.

## Curriculum Collegiate Seminar Program

### 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 the Collegiate Seminar Program, 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 the Collegiate Seminar Program 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 the Collegiate Seminar Program, 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 the Collegiate Seminar Program, 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.

## C O U R S E S

### Seminar 1 **Critical Strategies and Great Questions**

This first seminar develops the skills of critical thinking, critical reading and writing, and shared inquiry that are foundational to the Collegiate Seminar Program. Students learn strategies for engaging with a diversity of texts, asking meaningful questions about them, and effectively participating in collaborative discussions regarding them. Reading and writing assignments are specifically designed to support students' gradual development of these strategies and skills.

Plato, *"Allegory of the Cave"*

LeGuin, *"The Ones Who Walk Away from Omelas"*

Woolf, *"How Should One Read a Book?"*

Al Ghazali, *"Manners to be Observed by Teachers and Students"*

Seneca, *"Moral Epistle #88"*

Supreme Court, *Korematsu v. the United States (1944)*

Alexie, *"What You Pawn I Will Redeem"*

Martin Luther King, *"Letter from a Birmingham Jail"*

Jefferson, *"The Declaration of Independence"*

Thucydides, *"Mytilenian Debate," "The Melian Dialogue"*

Johnson, *"Melvin in the 6th Grade"*

Genesis 22

Brome Abraham and Isaac

Cervantes, *"The Man Who Was Recklessly Curious"*

Galileo, *The Starry Messenger*

Mo Tzu, *"On Universal Love"*

Matthew 5–7, *"Sermon on The Mount"*

Carson, *Silent Spring*

Spiegelman, *Maus*

Epictetus, *The Handbook (The Encheiridion)*

Sophocles, *Antigone*

Aristotle, *Nicomachean Ethics*

Homer, *The Odyssey*

### Seminar 2 **Western Tradition I**

Employing and building upon the strategies of critical thinking, critical reading, and shared inquiry learned in the first seminar, students will read, write about and discuss a selection of classical, early Christian and medieval texts from the Western tradition.

Gospel parables

Sappho (selections)

Aeschylus, *The Oresteia*

Thucydides, *History of the Peloponnesian War*

Euclid, *Geometry*

Plato, *Meno*

Aristotle, *Nicomachean Ethics*

Terence, *The Brothers*

Lucretius, *On the Nature of the Universe*

Virgil, *Georgics*

Plutarch, *Coriolanus*

Augustine, *Confessions*

Hildegard, *Scivias*

Boethius, *On the Consolation of*

*Philosophy, bk 1*

Marie de France, *Nightingale, et al.*

Dante, *Purgatorio*

Chaucer, *The Canterbury Tales*

### Seminar 102 **Western Tradition I** for transfers

This first seminar for transfer students develops the skills of critical thinking, critical reading and writing, and shared inquiry that are foundational to the Collegiate Seminar Program. Students will read, write about and discuss a selection of classical, early Christian and medieval texts from the Western tradition.

### Seminar 103 **Western Tradition II**

Employing and building upon the strategies of critical thinking, critical reading, and shared inquiry learned in previous seminars, students will read, write about and discuss a selection of Renaissance, 17th, 18th and 19th century texts from the Western tradition.

### Seminar 104 **The Global Conversation of the 20th and 21st centuries**

Building on the Western tradition explored in the second and third seminars, readings focus on the Great Conversation of the modern world, which includes the West but also includes important intercultural and global voices. The course focuses on issues of significant relevance for a 21st century student, as well as texts that allow for integrative thinking across the entire Collegiate Seminar sequence. The last portion of the course will include students reflecting on what they have learned and how they have grown, revisiting the steps of their intellectual development in a capstone experience.

COURSES (for pre-2012 General Education Requirements)

#### 20 **Greek Thought**

Gilgamesh

Homer, *The Odyssey*

Aeschylus, *Agamemnon, Libation Bearers, Eumenides*

Sophocles, *Oedipus Rex, Antigone*

Thucydides, *Peloponnesian Wars*

Aristophanes, *Lysistrata*

Plato, *Meno, Apology, Crito, Symposium*

Aristotle, *Nicomachean Ethics*

Euclid, *The Elements*

Art Selections (*artworks*)

Sappho, *poems*

Mo Tzu, *selections*

*The reading list is current but subject to modification.*

*From some texts selections are read.*

## Curriculum Collegiate Seminar Program

### 21 Roman, Early Christian, and Medieval Thought

Epictetus, *The Handbook*  
Lucretius, *On the Nature of the Universe*  
Virgil, *The Aeneid*  
Plutarch, *Life of Coriolanus, Life of Mark Anthony*  
Genesis, 1–6  
Gospel of Mark  
Art Selections  
St. Augustine, *Confessions*  
Hroswitha, *Abraham*  
Marie de France, *The Lais of Marie de France*  
de Pizan, *The Book of the City of Ladies*  
Dante, *The Divine Comedy, "The Inferno"*  
Chaucer, *Canterbury Tales*  
Rumi, *selected poems*  
Maimonides, *Guide of the Perplexed*  
*Prerequisite: Seminar 20.*  
*The reading list is current but subject to modification.*  
*From some texts selections are read.*

### 110 Classical, Christian and Medieval Thought

*For transfer students only.*  
Homer, *The Odyssey*  
Aeschylus, *Agamemnon, Libation Bearers, The Eumenides*  
Thucydides, *Peloponnesian Wars*  
Plato, *Meno*  
Sappho, *poems*  
Aristotle, *Nichomachean Ethics*  
Virgil, *The Aeneid*  
Rumi, *selected poems*  
St. Augustine, *Confessions*  
Marie de France, *The Lais of Marie de France*  
Dante, *Inferno*  
Chaucer, *Canterbury Tales*  
*The reading list is current but subject to modification.*  
*From some texts selections are read.*

### 122 Renaissance, 17th- and 18th-Century Thought

Machiavelli, *The Prince*  
Luther, *On Christian Liberty*  
Cervantes, *Don Quixote*  
Shakespeare, *The Tempest*  
Adam Smith, *Wealth of Nations*  
Galileo, *The Starry Messenger*  
Descartes, *Discourse on Method*  
Hobbes, *Leviathan*  
John Locke, *Second Treatise of Government*  
Sor Juana Ines de la Cruz, *"Letter to Sor Filotea De La Cruz"*  
Voltaire, *Candide*  
Rousseau, *Discourse on Inequality*  
Wollstonecraft, *A Vindication of the Rights of Woman*  
Jane Austen, *Pride and Prejudice*  
Lippi, *"La Vergine Col Figlio" (art)*  
*Prerequisite: Seminar 21 or 110 and sophomore standing.*  
*The reading list is current but subject to modification.*  
*From some texts selections are read.*

### 123 19th- and 20th-Century Thought

Newman, *The Uses of Knowledge*  
Darwin, *On the Origin of Species*  
Whitman, *Leaves of Grass, selection*  
Marx, *Wage-Labour and Capital*  
Weber, *The Protestant Ethic and the Spirit of Capitalism*  
Neruda, *Selected odes*  
Kafka, *Metamorphosis*  
Thoreau, *Walking*  
Freud, *Dissection of the Psychological Personality*  
Shaw, *Mrs. Warren's Profession*  
Woolf, *A Room of One's Own*  
Picasso, *"Guernica" (art)*  
Unamuno, *St. Emmanuel The Good, Martyr*  
Garcia Marquez, *Love and Other Demons*  
Malcolm X, *"The Ballot or the Bullet"*  
Martin Luther King, *Letter from Birmingham Jail*  
Gloria Anzaldúa, *selections*  
*Prerequisite: Seminar 122 and junior standing*  
*The reading list is current but subject to modification.*  
*From some texts selections are read.*

### 144 Multicultural Thought

Selected readings from 20th-century multicultural authors of the United States, especially from California. Readings continue the dialogue with authors from previous seminars, give renewed attention to questions raised in those contexts and address contemporary issues as well.  
*Prerequisite: Seminar 20 or 110.*

### 145 World Traditions

Readings from the traditions of Asia, Africa and the Middle East that raise basic human questions of courage, compassion, loyalty and wisdom. These works from around the world are selected to extend the themes and ideas from both the Western Tradition sequence and the Multicultural Thought seminar to a truly global conversation.  
*Prerequisite: Seminar 20 or 110.*

### 190 Co-Leader Apprenticeship (.25)

A course designed for specially selected, experienced seminar students assigned to assist a faculty member as student co-leader for a specific seminar class. As co-leaders, students participate as discussion facilitators and models in a seminar they have already completed. Meetings with assigned seminar faculty by arrangement. May be repeated for credit.

### 192 Introduction to Methods and Field Experience in Elementary Level Discussion Groups (.25)

*Prerequisite: Seminar 122*  
*For course description, see Liberal and Civic Studies.*

## COMMUNICATION

Recognizing that the mission of Saint Mary's College is to instill a liberal arts, Catholic and Lasallian character into all areas of the College community, the goal of the Department of Communication is to incorporate these traditions into a curriculum that identifies the process of communication as a primary means by which we construct social reality, recognize and analyze social processes, and effect social change. We see the content of the field as complex and interdisciplinary, and thus seek to pursue the continuing goals of improving the effectiveness of our communication, enhancing creativity and productivity in ourselves and others, promoting a sense of social reality that is fair and just for all members of society, and ensuring the continuation of critical contemplation as a means of strengthening and enriching the social good. We therefore encourage ethical and systematic inquiry into a broad range of areas, including mass and alternative media, rhetoric, interpersonal, communication, new media and digital culture, organizational communication, visual studies, ethics, intercultural communication and cultural studies.

Communication as an academic field draws upon the arts, the social and natural sciences, and the professions. The communication faculty have interdisciplinary backgrounds that enrich the academic and cultural environment of the department. The curriculum is both conceptual and applied with core courses preparing the student for an in-depth exploration of one or more areas of inquiry.

### FACULTY

Edward E. Tywoniak, M.F.A., *Ed.D.*,

*Associate Professor, Chair*

Shawny Anderson, Ph.D., *Associate Professor*

David Benin, Ph.D., *Adjunct Assistant Professor*

Sue Fallis, Ph.D., *Associate Professor*

Cathy B. Glenn, Ph.D., *Adjunct Associate Professor*

Makiko Imamura, *Assistant Professor*

Dan Ray Leopard, Ph.D., *Associate Professor*

Ellen Rigsby, Ph.D., *Associate Professor*

Rev. Michael A. Russo, Ph.D., *Professor*

Aaron D. Sachs, Ph.D., *Assistant Professor*

Scott Schönfeldt-Aultman, Ph.D., *Associate Professor*

### LEARNING OUTCOMES:

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

- **DEMONSTRATE** a comprehensive understanding of key terms and major lines of research in the field.
- **EXPLAIN** and critically assess major communication theories and apply theory-driven explanations to empirical/real life examples.
- **IDENTIFY**, apply and assess appropriate methods to construct a communication research question and project.
- **RESEARCH** and analyze a communication topic using the appropriate library resources and the conventions of scholarly writing, citation and research ethics.
- **DEVELOP** basic competency with media technologies and the literacy necessary to use them and critique their use in a variety of appropriate communication contexts.
- **EMPLOY** critical reading, writing, and thinking skills as they research, analyze and write/create a thesis or capstone project that incorporates what they have learned in the major (inclusive of theory and methodology) in a topic of their own choosing.

### MAJOR REQUIREMENTS

Students who major in communication take a total of 11 courses, seven of which are required plus four electives. Of the four electives, two must be upper-division application courses denoted by the word "Application" after the title.

### CORE COURSES

Lower division **Communication 2, 3, 10.**

Upper division **Communication 100, 110, 111 and 196.**

Four courses, two of which are application courses denoted by the word "Application" after the title.

### 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.

### CORE COURSES

Lower division **Communication 2 and 3.**

Upper division **Communication 100.**

Plus three upper-division electives (one of which is an upper-division application course).

### PREREQUISITE GRADE

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



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### C O U R S E S

#### LOWER DIVISION

##### **2 Communication and Social Understanding**

This course intends to acquaint students with ways of critically assessing the everyday communication practices and texts (spoken, visual and mediated) which construct and transmit social knowledge. Introduces students to issues such as language, meaning, rhetoric, persuasion, definition, mediation, representation, visual culture, social knowledge, understanding the “self,” the relationship between culture and communication, the social construction of reality, and the assessment of the influence of mass communication. Students will participate in in-depth discussions based in primary texts of communication theory and produce analytical projects that demonstrate their grasp of course content. *Satisfies Artistic Understanding (Analysis) of the Core Curriculum.*

##### **3 Communication Inquiry**

This intensive discussion course utilizes important communication texts as the basis for learning many of the questions and terms that define the discipline of communication. Readings will concentrate in the areas of interpretation, identity, rhetoric and culture to better understand how we construct culture, society and the self through the various forms of communication, and how we analyze those constructions. Emphasis will be on developing the ability to use the readings to build theoretical literacy, to interpret written and visual texts with that theory, and to use the theory to analyze notions of identity.

##### **10 Argument and Advocacy**

Communication scholar, Rod Hart, writes that advocacy “is the human creature’s most natural way of changing the world. It is also the most civilized way of doing so. Bombs, torture and mayhem change the world too, but those are primitive modalities and they lead to unstable outcomes. Symbolic influence is better. It lasts longer and it’s less noisy.” In this spirit, this course examines general principles of argument and advocacy as they relate to rhetorically creating change in different spheres of social life. Students will explore how the conventions of argument change—and how advocacy functions—in law, science, religion and politics. Students will develop an understanding of argument and evaluation theories, while also embodying those theories by developing practical advocacy and critical appraisal strategies.

#### UPPER DIVISION REQUIREMENTS

*Students must have sophomore standing to enroll.*

##### **100 Communication Theory**

This course provides students with a review of major theories applicable to communication among individuals, within organizations, in politics and in the elite and mass media. Through readings and discussion of seminal core texts, students are encouraged to judge for themselves the strong and weak portions of alternative concepts, models and theoretical concepts, as well as to evaluate the empirical methods from which these theories are derived.

##### **110 Quantitative Methods**

An introduction to communication research approaches that allow us to generalize our understanding to specific instances. For example, we might wish to investigate the influence of mediated political message characteristics on voting behavior or how nonverbal cues influence the formation of romantic relationships. The course provides an overview of research designs, sampling, data collection and data analysis for the empirical construction of these knowledge bases. *Prerequisites: 2, 3, 10 or permission of the chair.*

##### **111 Qualitative Methods**

This course introduces students to qualitative methodology and offers students an opportunity to design and practice qualitative methods. Topics addressed will include origins of qualitative methodology, ethnography, participant observation, interviewing, formulating research questions, collection and analysis of data, writing the literature review and authoring the qualitative-grounded essay. *Prerequisites: 2, 3, 10 or permission of the chair.*

##### **196 Senior Capstone**

Senior standing required. Students conceptualize and conduct their own research methodological approach (including performative or narrative) addressing a socially significant communication issue, under the approval and supervision of an instructor. Students are encouraged to explore a question/issue that will represent the culmination of their undergraduate experience and reflect their finest work as a college student. At the conclusion of the term, students will present their work to interested members of the College community. *Prerequisites: 100, 110, and 111 or permission of the chair.*

UPPER DIVISION ELECTIVES

*Two of the four must be upper-division application courses, denoted by the word "Application" after the title.*

**105 International Communication**

A review of our "global village," which is dangerously divided not only by power struggles and interest conflicts, but by message flows that create confusion and justified or unjustified suspicion. Special attention is given to the role of the United Nations (and its specialized agencies dealing with communication) as a vital mode of cross-cultural communication among the leaders of nations, and to the role of the media in defining global policy issues.

**106 Intercultural Communication**

An exploration of intercultural communication within various national contexts, though primarily U.S.-based. The courses will include an examination of the roles of identity, history, power, language, cultural values, non-verbal communication, migration, cultural space, popular cultural communication and relationships. Students will also become familiar with intercultural communication theories and with approaches to studying intercultural communication. Seeks to provide a basis for comprehending the relationship between culture and communication and for understanding cultural practices, differences and similarities.

**107 Political Communication**

The interplay of the press, politics and public policy is a key feature in understanding our democracy today. This course examines the role of communication, information and media technologies in the electoral and legislative processes. Special attention is given to how the Internet and other media have altered the political landscape.

**109 Visual Communication**

In this course, students study visual culture, learn to do visual analysis and explore key ideas in visual communication including visual methodologies, such as compositional interpretation, semiotics, discourse analysis and psycho-analytic analysis. Possible topics include exploration of the visual components of window advertising, video games, video camera technology, photography, film, television, news, the body, comics, theme parks and museums. Other possibilities include discussing art, representations of race, and taking a walking visual tour of campus.

**112 Interpersonal Communication**

Upper-level course treating major theories and concepts in interpersonal communication. Lecture, discussion, readings and activities integrating concepts such as nonverbal communication, listening, intimate relationships, family relationships, interracial relationships, conflict, conflict management, forgiveness, negotiation, gender, perception and self-concept, technology's role in communication, as well as relationship development, maintenance, struggles and termination.

**113 Rhetorical Criticism** [Application]

This course will provide students the opportunity to learn and practice rhetorical criticism. Students will analyze artifacts (textual, visual, online) by employing methods such as Neo-aristotelian criticism, cluster criticism, fantasy-theme criticism, feminist criticism, generic criticism, ideological criticism, metaphor criticism, narrative criticism, pentadic criticism, generative criticism and queer criticism.

**116 Advertising and Civic Engagement** [Application]

This course is designed to give students an understanding of both the theory and practice of advertising through the medium of civic engagement projects. The first half of the course will allow you to study the underlying theories of the practice of advertising; in the second half, students will have the opportunity to apply these theories as they generate and possibly implement advertising campaigns for on-campus clients.

**117 Public Relations** [Application]

This course provides an in-depth understanding of the theories of public relations and the ways in which they are practiced throughout our society, both in the marketplace and in the political realm. Emphasis is on application of these theories in student-authored projects that focus on civic engagement in the community. This course affords students the opportunity to research, plan, execute and evaluate a public relations campaign.

**118 Media Law**

This course examines the function of the laws regulating media and communication and explores how legal, political, social, administrative, economic and technological factors contribute to determining public policy on media issues. Of primary concern is the First Amendment's relationship to intellectual property, torts and telecommunication law.

**122 American Journalism** [Application]

An introduction to the craft of news writing and reporting in print and electronic news media. Historical development of newspapers, journals, blogs and magazines—in print, on television/radio, and online; emphasis on journalism as a profession and ethical conduct.

**123 Sports Journalism** [Application]

American culture, its contests and celebrations have moved from the sports page to the front page. This course explores the history, literature and practice of sports journalism in print, TV/radio and new media. Students will examine issues of gender and ethics, develop editorial criteria for sports coverage, and learn the "best practice" in writing for print and broadcast. *Prerequisite:* 122.

## Curriculum Communication

### 125 Introduction to Media, Technology and Culture [Application]

This introductory core course focuses on the critical and technical concepts and skills necessary for understanding communication practices in the 21st century. The course emphasizes three aspects of digital literacy: computer literacy, information literacy and visual literacy. As the digital revolution has become commonplace, this course places today's communication technologies in a broader historical context. The course involves both theory and practice. Students will be required to create multimedia projects, as well as learn key theories about digital communication strategies and approaches in a global, networked digital age. This course is the prerequisite to all upper-division media application courses. *Satisfies Artistic Understanding (Analysis and Creative Practice) of the Core Curriculum.*

### 132 Audio Production [Application]

Recognizing the importance of the sonic arts in contemporary forms of media, this course introduces students to: (1) basic acoustical theory, (2) musical concepts as related to media production, (3) aesthetic and technical elements of sound design, (4) audio field recording, and (5) non-linear audio editing and post-production techniques. *Prerequisite: 125.*

### 133 Video Production [Application]

This course introduces students to the basics of digital video production. Topics covered include: (1) introduction to film language and sound design, (2) video camera basics and video-production workflow, (3) cinematography and lighting, (4) non-linear video editing, and (5) post-production techniques. *Prerequisite: 125.*

### 143 Advanced Media Production I [Application]

This course is a continuation of media skills and concepts developed in 132 and 133. These are upper-division media courses that delve into areas of specialization and advanced applications in media production. Possible topics include web design, digital photography, motion graphics, video game design, animation, DVD authoring and advanced audio engineering. *Prerequisite: 132 or 133.*

### 144 Advanced Media Production II [Application]

This course is a continuation of media skills and concepts developed in 143. These are upper-division media courses that delve into areas of specialization and advanced applications in media production. Possible topics include web design, digital photography, motion graphics, video game design, animation, DVD authoring and advanced audio engineering. *Prerequisite: 143.*

### 147 Persuasion

This course examines the theory and practice of persuasive communication in a variety of forms ranging from public relations campaigns to visual media, political debate, film, fiction, religion and music. Course emphasizes the utility of classical and modern rhetorical frameworks for understanding contemporary persuasive efforts in a broad range of contexts, as well as other persuasive theories, including Robert Cialdini's influence theory, Sherif's social judgment theory and Miller's information processing theory.

### 158 Film

This course examines film history and film theory through the lens of communication. As a dominant mode of communication and as a major art form, the study of film itself ranges from theatrically-based Hollywood films to digital cinema. This course emphasizes the centrality of film to the visual imagination and the development of visual culture.

### 161 Communication and Social Justice [Application]

This course engages the power of communication as a transformative act. In the pursuit of social justice, communication can be a tool, a weapon and a witness on behalf of community service, social change and political struggle. The role of communication in relation to social justice is not just studied abstractly, but passionately practiced and embodied through real-world projects and first-hand experiences. This course involves a service-learning component.

### 163 Seminar in Special Topics

These are topical, special-interest courses exploring an area of study or particular problem in the field of communication. Topics cover the range of communication theory, rhetoric and persuasion, law and public policy and visual media.

### 170 Communication Management [Application]

The development of techniques and strategies for formal rhetorical argument as applied to informal and formal group processes in contemporary businesses. Includes communication management within multicultural settings, discussion and analysis of organizational needs assessment, communication auditing and decision-making.

### 190 Student Media Practicum (.25)

One-quarter academic credit may be applied to student participation in radio, video, visual, film, journalism, internship, digital media, public relations, advertising or independent study. Macken Collegiate Forensics Program may be taken for full or fractional credit. *Does not satisfy an Area requirement in the pre-2012 general education requirements.*

### 195 Internship

Work in an appropriate internship position in the field of communication, under the supervision of a faculty member. Normally open only to communication majors in the senior year, with approval of the department chair and supervising instructor. Majors may qualify with a B average or better. *Does not satisfy an Area requirement in the pre-2012 general education requirements.*

### 197 Special Study

An independent study or research course for upper-division majors with a B average or better in communication courses. *Permission of the instructor and department chair required.*

## **COMPUTER SCIENCE**

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See 3+2 Engineering and Mathematics and Computer Science.

## **CROSS-CULTURAL STUDIES**

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Students who intend to pursue careers or graduate work in such fields as bilingual education, community services or international relations, or who wish to broaden their program of studies, may petition to establish an interdisciplinary major in cross-cultural studies. Such a major must include courses from at least three disciplines and consist of nine upper-division courses with at least two chosen from each of the three disciplines. Lower-division courses will depend upon the various disciplines chosen.

For information regarding the composition of the interdisciplinary cross-cultural major, students should contact the chairs of the appropriate departments that form the major. The major must be approved by these department chairs and by the dean of the School of Liberal Arts.

Appropriate courses might be chosen from the departments of Anthropology, Economics, English, History, Modern Languages, Philosophy, Politics, Psychology and Sociology.

# ECONOMICS

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Economics is often called the “science of choice.” The economics major helps develop clear, rational problem-solving skills useful in business, government and everyday life. Additionally, the economics major provides an understanding of economic institutions and policies today and as they have developed over time.

The major in economics leads to either a Bachelor of Science or a Bachelor of Arts, depending on the student’s area of interest. The Bachelor of Science major is a quantitatively oriented program that provides excellent preparation for graduate studies and careers in economics or business administration. The Bachelor of Arts 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 Bachelor of Arts major with a concentration in Sustainability Studies is aimed at students interested in the environmental and social impacts of growing economies. Students choosing this concentration 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.

The courses required for both majors combine a core of economic theory with the opportunity for students to explore a wide range of applications and/or to pursue in-depth a personal interest area in economics.

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, Ph.D., *Professor, Chair*  
Roy E. Allen, Ph.D., *Professor*  
Steven Balassi, Ph.D., *Adjunct*  
Ravi Bhandari, Ph.D., *Associate Professor*  
Jerry J Bodily, Ph.D., *Professor*  
Kristine L. Chase, Ph.D., *Professor*  
Richard H. Courtney, Ph.D., *Associate Professor*  
Joan U. Hannon, Ph.D., *Professor*  
Andras Margitay-Becht, Ph.D., *Adjunct*  
Hugh J. McAllister, Ph.D., *Professor*  
Asbjorn Moseidjord, Ph.D., *Professor*  
Andrew Williams, Ph.D., *Professor*

### 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 **Economics 195**.

### HONORS

Majors who maintain at least a B average in economics may qualify to complete an honors thesis in their senior year. Honors thesis candidates normally begin the thesis project in **Economics 120** or **142** and, with permission of the instructor and department chair, complete it in **Economics 199**.

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.



**BACHELOR OF SCIENCE DEGREE  
MAJOR REQUIREMENTS**

## LOWER DIVISION

Economics 3 Principles of Micro Economics  
 Economics 4 Principles of Macro Economics  
 Statistics (may be satisfied by BusAd 40  
 or Mathematics 4)  
 Mathematics 27 and 28, or 27 and 38

## UPPER DIVISION

Economics 102, 105, 106, 141, 142 and four additional full-credit upper-division courses in economics, not to include Economics 199.

**BACHELOR OF ARTS DEGREE  
MAJOR REQUIREMENTS**

## LOWER DIVISION

Economics 3 Principles of Micro Economics  
 Economics 4 Principles of Macro Economics  
 Statistics (may be satisfied by BusAd 40 or  
 Mathematics 4)  
 One of the following: Mathematics 3, 27, or any upper-division mathematics course except Mathematics 101.

## UPPER DIVISION

Economics 102, 105, 106, 120 and five additional full-credit upper-division courses in economics (not to include Economics 199). Bachelor of Arts majors who have completed the appropriate prerequisites in math and statistics may include Economics 141–142 among their upper-division economics elective courses.

Two courses from among the following allied disciplines:

**Anthropology:** 114, 123, 130

**History:** 104, 105, 117, 134, 136, 137, 151, 154, 161, 162, 172

**Philosophy:** 108, 113, 115, 116

**Politics:** 101, 104, 106, 107, 110, 111, 114, 120, 126 and 127, 130, 135

**Sociology:** 120, 124, 134

*Substitutions, waivers of prerequisites or class standing require the approval of the department chair.*

Some upper-division courses (including the required courses 120, 141, and 142), may be offered in alternate years only. The student must determine, prior to his/her registration for the junior year, in a conference with his/her advisor, which courses are currently being given in alternate years so that he/she will have an opportunity to complete all required courses in a timely manner.

**BACHELOR OF ARTS DEGREE WITH A  
CONCENTRATION IN SUSTAINABILITY  
STUDIES MAJOR REQUIREMENTS**

## LOWER DIVISION

Same as for the regular Bachelor of Arts degree and in addition:  
 General Biology/Lab 50/51  
 Environmental and Earth Science/Lab 92/93

## UPPER DIVISION

Economics 105, 106 and 150; and one of the following:  
 Economics 102, 135 or 192

Two courses from the School of Science which may include:

Environmental and Earth Science 100, 110, 140 and 175  
 Biology 113, 125, 142, 144 and 152.

*(Instructor approval required for biology courses.)*

Two courses from Other Perspectives which may include:

Politics 135, 136

Philosophy 117, 130

History 130, 155, 160

Sociology 134

Liberal & Civic Studies 121 *(instructor approval required)*

Capstone Courses:

Economics 120, 197 or 195

*(when offered, .25–1.0 credit)*

Economics 196, Senior Project (.25 units)

**NOTE:** Students should consult with their advisor to confirm their program of study, including which courses satisfy core curriculum requirements.

**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/Macro Economics (Economics 3, 4); Statistics (may be satisfied by BusAd 40, or Mathematics 4; Micro/Macro-Economic Theory (Economics 105, 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 Economics 120 or (with the appropriate math and statistics prerequisites) Economics 141–142

**PREREQUISITE GRADE**

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

### C O U R S E S

#### LOWER DIVISION

##### **3 Principles of Micro-Economics**

Introduction to the concepts and tools of micro-economic analysis. Micro-economics is concerned with individual economic units including representative consumers, firms and markets. Topics include resource allocation, income distribution and price, wage and quantity determination in competitive and noncompetitive markets. Micro-economic analysis is applied to selected current economic issues. *Satisfies Social, Historical, and Cultural Understanding of the Core Curriculum.*

##### **4 Principles of Macro-Economics**

Introduction to the concepts and tools of macro-economic analysis. Macro-economics is concerned with the relationship between major economic aggregates including firms, households and government. Topics include the determination of the level of aggregate economic activity, inflation and unemployment, as well as government's ability to achieve a full employment, non-inflationary Gross Domestic Product using fiscal and monetary policy. Macro-economics is applied to current economic issues including economic growth, business cycles, the government budget, and the policies of the Federal Reserve. *Satisfies Social, Historical, and Cultural Understanding of the Core Curriculum.*

#### UPPER DIVISION

Both **Economics 3** and **4** are prerequisites to all upper-division courses except **Economics 100, 111, 150, 170** and **180**. Additional prerequisites are listed with each course.

##### **100 Issues and Topics in Economics**

Analysis of a selected theme, topic, issue, era or region not covered by the regular course offerings of the department. Subject of the course will be announced prior to registration each semester when offered. Course will not be offered each semester but may be repeated for credit as content varies.

##### **102 Development of Economic Thought**

The course explores the historical and theoretical foundations of economic theory, with an emphasis on the classical political economists of the 18th and 19th centuries through a critical reading and analysis of the original works of important economic thinkers like Adam Smith, David Ricardo, Karl Marx and John Maynard Keynes. The course seeks to understand the relevance of these early economists to modern economic theory and issues. *Prerequisite: Economics 106.*

##### **105 Micro-Economic Theory**

An intermediate-level analysis of the motivation and behavior of producers and consumers under alternative market structures. Particular emphasis is placed on price determination and resource allocation, as well as the application of theory to real-world issues. *Prerequisite: Mathematics 3 or equivalent.*

##### **106 Macro-Economic Theory**

An intermediate-level analysis of the aggregate interrelationship between consumers, business, government and the foreign sector in the determination of national income, employment, price levels and economic growth rate. Particular emphasis is placed on policy alternatives available to mitigate unsatisfactory performance of these variables. *Prerequisite: Mathematics 3 or equivalent.*

##### **111 Economic History of the United States**

Historical view of the development of the United States economy with particular emphasis on economic growth, income distribution and structural and institutional change in the 19th and 20th centuries. Course themes include the evolution of market structures, business organization, trade and technology; the history of American living standards, income distribution and poverty; immigration, race and gender roles; business cycle history; the changing role of government and the rise of the American-style welfare state. Students are provided a historical perspective on the origins of current economic issues. *Generally offered in alternate years.*

##### **120 Research Seminar**

This seminar is designed to develop the student's ability to do economics research. Methods of economics research are examined and each student conducts a research project, from the initiation of the concept to be examined through hypothesis testing and evaluation of test data, under the guidance of the instructor. *Generally offered in alternate years.*

##### **130 Money, Finance, and Economic Crises**

A description and analysis of the role of money and finance in a modern economy. The role of banks and other suppliers of credit, along with the U.S. Federal Reserve System and other central banks across the world is identified. Trends and instabilities in financial markets, interest rates, inflation and the general level of economic activity will be studied, including episodes of large scale banking and financial crises. *Prerequisite: Economics 106.*

##### **135 Public Finance**

An analysis of government taxing and spending activities using theoretical, empirical, and institutional material. Topics include optimal provision of public goods, cost-benefit analysis, tax incidence, policies aimed at efficient level of externalities such as pollution, income redistribution, models of democratic and bureaucratic decision-making and the design of government procurement contracts. *Generally offered in alternate years.*

##### **136 Investments**

Description and analysis of the securities markets (bonds, stocks, etc.) from the viewpoint of the private investor. The student is introduced to asset valuation theories as well as the basis of portfolio selection. Particular emphasis is placed on the trade-off between risk and return, both for the individual assets and in a portfolio context. *Prerequisite: BusAd 40 or equivalent.*

**141–142 Methods of Quantitative Analysis**

The first part of this two-semester sequence explores the ways in which economists use mathematical techniques—especially linear (matrix) algebra and differential calculus—to represent and “solve” a wide range of theories, problems and hypotheses. Applications include the firm’s profit maximization and the consumer’s optimization of utility. *Prerequisite: Math 27–28 or Math 27–38 and Economics 105.*

The second part of the sequence is about how economists use statistical data to estimate and predict relationships between different economic variables. The goal is to have students become educated consumers and producers of econometric analysis; the former by studying how other economists make use of econometric methods in their work and the latter by doing estimations (running regressions) themselves using statistical software packages. Students will conduct an in-depth econometric research project on the topic of their choice. *Prerequisites: BusAd 40 or equivalent and Economics 141. Generally offered in alternate years.*

**150 Environmental and Natural Resources Economics**

All economic activity involves an exchange with the natural environment. Natural resources are used in production and consumption and then returned to the environment in some form of waste. The class focuses on how a market economy actually handles these exchanges and develops criteria for judging the economy’s performance in this regard. Important questions include the following: Are we exhausting our natural resources? Will we run out of cheap energy? What is the appropriate balance between economic standard of living and environmental quality? Can we rely on market forces to achieve the appropriate balance or do we need government intervention? *Generally offered in alternate years.*

**152 Labor Economics**

An extension and application of micro-economic theory to analysis of labor market processes that determine the allocation of human resources, as well as the level and structure of wages, employment and working conditions. The course devotes considerable attention to the public and private institutions (e.g., labor laws and unions) and sociological forces (e.g., prejudice and discrimination) that interact with demand and supply forces. Labor market models that take account of economic, sociological, and institutional forces are used to explain recent trends and patterns in the level and distribution of wages, employment, working conditions and union membership. The models are also used to analyze the impact on labor markets of changes in trade, technology, immigration, family structures and social norms; and to evaluate the efficiency and equity effects of government, business and union policies. *Generally offered in alternate years.*

**160 Comparative Economics Systems**

The production and distribution of goods and income and the material welfare of people—the longtime concerns of economics—can be achieved in many different ways. This course examines capitalism, socialism, traditional village economies, and other ways to organize economic activity. Case studies from around the world will include less developed as well as developed countries—China, Russia, Latin America, the Middle East and Africa. The course also examines the new globally integrated economy, based significantly on the U.S. model, and how it impacts various regions of the world. *Generally offered in alternate years.*

**170 Industrial Organization**

Industrial organization is the study of firms, markets and strategic competition. The course will examine how firms interact with consumers and one another, primarily using the tools of microeconomics and game theory. Topics include competitive strategies, price discrimination, antitrust policy, mergers and advertising. Upon completion of the course, students should be able to examine real-world mergers and other firm strategies with a critical eye and predict market outcomes and consumer impacts. *Prerequisites: Economics 3, Economics 105 or consent of instructor. Generally offered in alternate years.*

**175 Multinational Enterprises\***

This course examines multinational enterprises (MNEs) and foreign direct investment (FDI) from a number of perspectives, including motivations for international expansion, the economic impact of such expansion on home and host countries, and the political economy of MNEs. By the end of the course, students should understand why MNEs exist, under what conditions they can cause economic benefit or harm, and the complex interaction between MNEs and home and host country governments. *Prerequisites: Economics 105. Generally offered in alternate years.*

**180 Sports Economics**

Economic principles are used to analyze issues in the professional and amateur sports industries. Topics include league history and structure, labor issues, stadium financing, player salaries, competitive balance and the role of the NCAA. The economic perspective helps students better understand the industry and its economic, social and cultural significance. *Prerequisite: Economics 3. Generally offered in alternate years.*

**190 International Economics**

This course utilizes rigorous economic analysis to address key issues facing the global economy, such as international trade, direct foreign investment and the interaction of macro-economic policies across borders. Students who are majoring or minoring in economics and/or planning a career in economics or business should be familiar with international economic issues. This course will give the student a firm foundation in international trade and finance and the ability to apply it in a practical context. *Generally offered in alternate years.*

## Curriculum Economics

### 192 Economic Development

A broad overview of the leading topics in development economics, with an emphasis on the application of economic theory to problems of economic development in Latin America, Africa and Asia and the practical policy issues and debates. Topics include the definition and measurement of economic development, macro-economic theories of growth and structural change, poverty and inequality, population, human capital, agriculture and rural development, migration, environment, trade, debt, liberalization and structural adjustment, foreign investment and foreign aid. *Generally offered in alternate years.*

### 195 Internship

Work-study program conducted in an appropriate internship position, under the supervision of a faculty member. Normally open to senior students only. *Permission of instructor, department chair and SEBA Internship Coordinator required.*

### 196 Senior Project

Students in the Sustainability Concentration are to reflect critically, in writing, on the program of study they have chosen, including the interrelationships of the various courses and subjects.

### 197 Special Study

An independent study or research course for students whose needs are not met by the regular courses in the curriculum. *Permission of instructor and department chair required.*

### 199 Special Study — Honors

Independent study and research in an area of interest to the student culminating in a written thesis presenting the issue, methods of analysis and research findings. Normally open only to seniors with at least a B average in economics who have completed **Economics 120** or **Economics 141–142** with a grade of B or better. (Seniors may be allowed to concurrently enroll in **Economics 142** or **120** and **199**). *Permission of instructor and department chair required.*

## EDUCATION

The Kalmanovitz School of Education offers undergraduate courses in education as preliminary preparation for a career in teaching, and as part of a liberal education for the citizen and prospective parent. Each January Term a supervised field experience in early childhood, elementary and secondary schools is available to undergraduates to help them clarify their career choices. Students who plan to teach should consult with a School of Education advisor early in their undergraduate years to ensure that they understand the state of California requirements (academic and professional) for the various teaching credentials. (This applies both to elementary and secondary teaching, Montessori education and to special education.)

There are two paths to a teaching credential at Saint Mary's College. A student may complete an undergraduate degree and enroll in a 5th year credential program. Alternatively, students who have decided as undergraduates on a teaching career in elementary school can join the Teachers for Tomorrow Program in order to begin their credential work as undergraduates (see below).

The prospective elementary teacher often majors in the Liberal and Civic Studies Program or the Integral Program. The prospective secondary teacher should major in the field that he or she plans to teach in secondary schools. Students should consult with their faculty advisors in each discipline to confirm desired coursework for preparation in teaching.

### TEACHERS FORTOMORROW

Incoming freshman students, as well as qualifying sophomores and juniors, who are committed to becoming elementary teachers may apply for the Teachers for Tomorrow (TFT) program. This program enables students to integrate education coursework and field experiences in elementary schools with their undergraduate course of study. They earn their bachelor's degree at the end of four years and their multiple subject credential at the end of their fifth year. Students may also pursue a Master of Arts degree in their fifth year by fulfilling additional coursework and research components. For further information, please see Liberal and Civic Studies Program.

### MONTESSORI PROGRAM

Undergraduates who are interested in teaching may participate in the Montessori Teaching Credential Program. The College has a Montessori laboratory that is fully equipped with Montessori materials. The Liberal and Civic Studies Program undergraduate major may include a minor in Montessori thought, which offers courses from the Credential Program leading to early childhood or elementary credentialing by the American Montessori Society. This coursework prepares the student for career opportunities in a variety of early educational settings. It is a prerequisite to the paid internship that takes place at the graduate level and leads to the awarding of the international Montessori credential. Program of study must be planned with the program director of Montessori Education Programs and the Liberal and Civic Studies advisor. No specific majors or examinations are required for a Montessori credential. Courses for the Montessori Thought minor may be selected, in consultation with the student's advisor and the Montessori Education coordinator, from the following courses:

EDUC 119 Field Experience in Early Childhood, Child  
in the Family and Community  
EDUC 144 Cognitive Development  
ECE 163 Mathematics: Conceptual Learning  
MONT 161 Philosophy in a Cultural Context

### ELECTIVES

ECE 165 Curriculum Foundations  
ECE 164 Language and Reading Development  
ECE 131 Positive Discipline/  
Classroom Management (.5)  
ECE 167 and/or 168 Creative Arts I and II (.25 each)  
MONT 111 Field Experience (.25)  
MONT 112 Field Experience (.25)

The School of Education publishes a separate bulletin for its graduate programs. Write School of Education, Saint Mary's College of California, P.O. Box 4350, Moraga, CA 94575-4350, or phone (925) 631-4700.



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### C O U R S E S

#### LOWER DIVISION

##### **EDUC 30 Foundations of Academic Achievement I (.5)**

A three-week summer residential program that provides entering students with an academic, social and motivational orientation to life at Saint Mary's College. In a series of "info-searches," students discover the resources for solving day-to-day student problems. Instructors emphasize the keys to academic success: good note-taking, test-taking, vocabulary-building, essay-writing and informal public-speaking skills.

##### **EDUC 31 Foundations of Academic Achievement II (.25)**

Designed to help first-year students develop specific skills necessary for a successful college experience, this course is specially tailored to the needs of High Potential Program students. It is a sequel to the summer orientation program. During weekly sessions, students discuss the importance of time management, communication skills (oral and written), reading comprehension, critical thinking, interpersonal skills and self-esteem development.

*Prerequisite:* EDUC 30.

##### **EDUC 32 Foundations of Academic Achievement III (.25)**

The course addresses a number of skills college students, particularly those from "underrepresented" populations, tend to overlook when pursuing an advanced degree, e.g., composing an effective résumé and cover letter and developing interview and other job-related skills. The course text follows the journey of a student of color who experiences personal and professional success at a predominantly white middle-class institution. Students submit an expository essay in the form of a personal assessment of their first-year experience at SMC. *Prerequisite:* EDUC 31.

##### **EDUC 40 College Survival 101 (.25)**

Many students begin college with unclear assumptions about what it takes to be successful. This course encourages freshmen and first-year transfer students to undertake the journey of learning more about themselves as students in the classroom, as student leaders, as individuals adjusting to residential living with a diverse student body. Weekly discussions focus on helping freshmen to better understand the learning process and to acquire the basic academic survival skills that are key to mastery of the college experience. Readings, journal writing and field trips required.

##### **EDUC 119 Child, Family, Community—A Field Experience in Early Childhood (1)**

This class offers an opportunity for undergraduates to work with young children (third grade and below) in a school or other early childhood setting as an aid, coach, tutor or teaching assistant. Seminar discussions focus on your future role as parents, public policy makers and educators and future considerations you will be facing. This course provides an introduction to the teaching and childcare profession and also satisfies the State of California Multiple Subject Credential requirement for fieldwork before entering credential programs. How various programs (Montessori, Reggio Emilia, Waldorf, Conventional, etc.) address children's needs and parental responsibilities in making childcare choices are considered. This section satisfies the Children's Center Permit requirement for an ECE course in Child and the Family and Community.

##### **EDUC 121 Education Field Experience**

Open to sophomore and transfer students in the Teachers for Tomorrow Program, this course focus on you in an elementary school setting. It gives you an opportunity to learn about yourself through sharing with your peers, reflecting on the experience in a personal journal, focusing on educational issues through the readings and seminars, and sharing your learning through a project. It is a chance to look at yourself at many levels in terms of teaching as a career.

##### **EDUC 122 Field Experience in Education**

An opportunity for undergraduates interested in education to participate in a school or other education setting as tutors, aides, coaches, etc., depending on the students' interests and abilities. Students are responsible for arranging their own placements in the San Francisco Bay Area. Placements must be approved by the instructor. Course activities also include readings and seminar discussions pertinent to the education experience as well as completion of a journal and other written assignments.

##### **EDUC 123 Introduction to Field Experience in the Elementary Schools (.25)**

Open to freshmen and transfer students in the Teachers for Tomorrow Program, this course builds on your own experiences as a learner and your observations of children as learners. The class meetings on campus provide a theoretical context and educational structure for your applied field work done in an urban school setting.

**EDUC 124 Introduction to Methods of Teaching Mathematics and Science in the Elementary Schools (.25)**

Open to sophomore students in the Teachers for Tomorrow Program, this course builds on the students' experiences as math and science learners and their observations of children as learners. Using readings, activities and other assignments, the course introduces the student to how elementary school children's understanding of mathematics and science develops, and to the pedagogical implications of this developing understanding. The course also provides an overview of the content of the elementary mathematics and science curricula. Students enrolled in this course must be taking or have taken at least one required science course and the second required mathematics course during this term.

**EDUC 144 Cognitive Development**

An in-depth study of theories and research in cognitive development, especially Piaget. Emphasis on the relation of intellectual development to the total development of the child. Required for the Montessori minor and AMS certification. Field trips, research and observations required.

**EDUC 160–161 Resident Advisor Training (.25)**

A program of in-service education for resident advisors, providing theory and practical skills in procedural issues, emergency and first-aid techniques, paraprofessional counseling and crisis intervention skills, alcohol and drug abuse and other pertinent matters. Combined with practical experience in residential living. *Open only to current resident advisors.*

**EDUC 162–163 Advanced Resident Advisor Training (.25)**

A continuation of the resident advisors in-service education program providing for further skill development and exploration of relevant issues associated with the position. An integration of student developmental theory, paraprofessional student affairs and counseling skills, and personal growth opportunities through training and practical experience in residential living. *Open only to current resident advisors who have completed one year of experience and EDUC 160, 161.*

**EDUC 173 Interpersonal Communication for the Healthcare Provider**

This course introduces students to Robert Carkhuff's Human Resources Development Model, and focuses on specific interpersonal helping skills that have shown to result in positive client relationships. Application of this model to divergent cultures and lifestyles is emphasized. The course uses experiential learning activities, lecture and discussion.

**EDUC 197 Special Study**

An independent study or research course for the undergraduate whose needs are not met by the other courses in the curriculum. Requires submission of a proposal, acceptance of supervision responsibilities by a School of Education instructor and approval of the dean. Montessori Thought (Leads to Montessori Teaching Certificate Program).

**ECE 131 Positive Discipline and Classroom Management (.5)**

Understanding and implementing positive techniques leading to self-discipline on the part of the child. In introduction to professional responsibilities and classroom management techniques based on Montessori, Alfie Kohn, Jane Nelson, and other theorists. Field work and seminars.

**ECE 159 Practical Life Curriculum (1)**

Understanding the philosophical and theoretical foundations of the Montessori practical life curriculum and its relation to fostering independence, responsibility and self-esteem, Preparing the environment and creating materials and the value of task analysis in creating curriculum. (See ECE 165)

**ECE 160 Conceptual Curriculum (1)**

Understanding the philosophical and theoretical foundations of sensorial, concrete experiential learning using the Montessori sensorial curriculum. Providing keys to the understanding of concepts through the use of concrete representations of abstractions.

**ECE 163 Mathematics: Conceptual Learning**

Montessori mathematical materials, their function and use in the child's learning experience with emphasis on conceptual learning through self-discovery. Progression from the concrete to the abstract with comparison to current mathematical methodologies. Relating the materials to their theoretical structures and the development of logicomathematical thought.

**ECE 164 Language and Reading Development**

Theories of language acquisition; development of oral and symbolic language; and the integration of reading theories with contemporary educational thought. Comprehensive review including the use of the language experience approach, phonics and linguistic approaches to the development of pre-reading, reading and writing skills and the role of multicultural literature in promoting inclusive classrooms. (Emphasis on writing-to-read progression.) Montessori language materials, their function and use in child learning experience.

**ECE 165 Curriculum Foundations**

Understanding the philosophical and theoretical foundations of practical life and sensorial curriculum. The importance of teaching daily living skills to foster independence and responsibility and education of the senses as basis for future abstract learning. *Note: This course combines course components of ECE 159 and ECE 160, for 1 credit each, if taken separately.*

## Curriculum Education

### **ECE 166 Study of the Sciences:**

#### **Natural, Physical and Social (1)**

An integration of Montessori curriculum areas within the study of the natural and social sciences: physical and political geography, geology, physics, astronomy, history, peoples of the world, zoology and botany. Multicultural and ecological issues are emphasized within the context of the interrelatedness of all of life.

### **ECE 167 Creative Arts I (.25)**

Integrating musical experiences, including increasing auditory awareness and discrimination, and rhythmic movement activities into the total environment.

### **ECE 168 Creative Arts II (.25)**

Facilitation of children's creative explorations in visual, graphic and manipulative art experiences using a wide variety of media. Includes application of Montessori philosophy and methodology in the art curriculum.

### **MONT 111 Advanced Field Observations in**

#### **Early Childhood Education (.25)**

Observation in Montessori and other ECE classrooms. Includes the exploration of skills and techniques of observation and descriptive, analytical reporting. Examination of the ethnic and cultural diversity of schools, demographics and implications for teaching practices. Forty (40) hours of fieldwork and seminars.

### **MONT 112 Advanced Field Observations in**

#### **Early Childhood Education (.25)**

Observation in Montessori and other ECE classrooms. Includes the explorations of skills and techniques of observation and descriptive, analytical reporting. Examination of the ethnic and cultural diversity of schools, demographics and implications for teaching practices. Forty (40) hours of fieldwork and seminars.

### **MONT 161 Montessori Philosophy in**

#### **a Cultural Context (1)**

This course examines the philosophical foundations of Montessori education in a developmental context and within the further context of the family and the community. Along with, and embedded in the Montessori philosophy, students will consider the psychology of parenting practices, parent-teacher relationships, locating community and professional resources and the critical value of full inclusion.

### 3+2 ENGINEERING PROGRAM

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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. Saint Mary's has transfer agreements with two engineering schools: University of Southern California in Los Angeles and Washington University in St. Louis. These agreements assure that, once you have completed the required courses at Saint Mary's, you will be able to complete the course work at those schools in two years. In addition, Washington University guarantees admission to our students who have a grade point average of 3.25 or above. 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.

#### FACULTY

**Chris Ray, Ph.D.**, *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.

#### REQUIREMENTS

Students must satisfy the following requirements: three years of study with the completion of 27 transferable course credits and a cumulative grade point average of 3.0 or better; the majority of the Core Curriculum requirements of Saint Mary's College as follows:

##### Habits of Mind:

Collegiate Seminar Courses: 3 courses including **CS 1, 2, and 103**

Writing Courses: 3 courses including **English 4, 5**, and an upper division WID course

##### Pathways to Knowledge:

Mathematical Understanding: 1 course

Theological Understanding: 1 course,  
Christian Foundations

Social, Historical, and Cultural Understanding: 2 courses

Artistic Understanding: 2 courses

##### Engaging the World:

3 courses from across the areas Common Good, American Diversity, Global Perspectives, and Community Engagement

*Completion of the following courses:*

**Mathematics 27, 38, 39, 134**

**Computer Science 21**

**Physics 1, 2 (lab), 3, 4 (lab), 60**

**Chemistry 8, 9 (lab), 10, 11 (lab)**

**Math/Science electives (4 courses)**

Other courses may be required or recommended for entrance into particular engineering majors. The student must consult with the 3+2 Engineering Program director regarding his/her course of study.

## ENGLISH

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### FACULTY

Carol L. Beran, Ph.D., *Professor, Chair*  
Chester Aaron, M.A., *Professor Emeritus*  
Marilyn Abildskov, M.F.A., *Professor*  
Edward Biglin, Ph.D., *Professor*  
Clinton Bond, Ph.D., *Professor*  
Glenna Breslin, Ph.D., *Professor*  
David J. DeRose, Ph.D., *Professor*  
Janice Doane, Ph.D., *Professor*  
Jeanne Foster, Ph.D., *Professor*  
Graham W. Foust, Ph.D., *Associate Professor*  
Brother Ronald Gallagher, FSC, Ph.D., *Associate Professor*  
Wesley Gibson, M.F.A., *Associate Professor*  
Robert E. Gorsch, Ph.D., *Professor*,  
Rosemary Graham, Ph.D., *Professor*  
Sandra Anne Grayson, Ph.D., *Professor*  
Brenda L. Hillman, M.F.A., *Professor*  
Barry D. Horwitz, M.A., *Lecturer*  
Jeannine M. King, Ph.D., *Associate Professor*  
Kathryn Koo, Ph.D., *Associate Professor*  
Carol S. Lashof, Ph.D., *Professor Emerita*  
Hilda H. Ma, Ph.D., *Assistant Professor*  
Lisa Manter, Ph.D., *Professor*  
Molly Metherd, Ph.D., *Associate Professor*  
Rafael Alan Pollock, Ph.D., *Professor Emeritus*  
Naomi Schwartz, M.A., *Adjunct*  
Christopher J. Sindt, Ph.D., *Associate Professor*  
Norman Springer, Ph.D., *Professor Emeritus*  
Phyllis L. Stowell, Ph.D., *Professor Emerita*  
Lysley Tenorio, M.F.A., *Associate Professor*  
Ben Xu, Ph.D., *Professor*  
Matthew Zapruder, M.A., M.F.A., *Assistant 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.

### MAJOR REQUIREMENTS

#### LOWER DIVISION

English 19, 29

*These courses must be taken in sequence.*

English 19 is prerequisite to English 29. English 29 is prerequisite to English 167, 168, and 170.

#### UPPER DIVISION

English 103, 104, 175

One course in literary theory, chosen from the following:  
**167, 168, 170**

One American literature survey, chosen from the following:  
**150, 151, 152**

One course in English or American literature before 1800

One course in English or American literature before 1900

*Four additional courses in English. No more than one of these may be lower division.*

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:

- **CREATIVE WRITING EMPHASIS:**
  - English 25 (preferably freshman or sophomore year)
  - Any three upper-division creative writing classes:  
**English 102** (poetry, fiction, non-fiction, dramatic writing, screenwriting) or **English 100, Advanced Composition**
  - Two semesters of **English 26** (.25 credit)
- **LITERARY THEORY AND HISTORY EMPHASIS** (preparation for graduate study)
  - One additional course in literary criticism or theory
  - One additional pre-1900 course
  - **English 198** (honors thesis) in the fall semester of the senior year
  - Recommended: **English 200**, the graduate-level course in modernism (undergraduates must apply to enroll in this course)
- **DRAMATIC AND FILM ARTS EMPHASIS:**
  - **English 125** or **126** (Film)
  - Any three of the following:  
**English 102:** Dramatic Writing or Screenwriting  
**English 182:** The Drama  
**English 183:** Topics in Drama  
**English 184:** Contemporary Drama  
**English 185:** Individual Dramatists
  - Other English and upper-division January Term courses with film or drama-based content may also apply to the emphasis.



**TEACHING CREDENTIAL IN ENGLISH**

The major in English has been accepted, with certain modifications, as meeting the subject matter preparation requirements of the State of California for a teaching credential. Completion of the approved program waives the Praxis and SSAT examinations. It is still necessary to take a sequence of education courses. At Saint Mary's, these are available at the graduate level (some may be taken during the senior year). It is important that those thinking of a teaching career consult both the coordinator of the Subject Matter Preparation Program in English 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.

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, Mandarin, Spanish, Latin and Greek).

A major in dramatic arts is available through the Department of Performing Arts. Requirements for this major include electives chosen from among **English 182, 183, 184, 185**.

**SPECIAL NOTE:**

Students who successfully complete two years in the Integral Program before declaring an English major are exempt from the department's Shakespeare, pre-1800, and pre-1900 requirements.

**MINOR REQUIREMENTS****ENGLISH MINOR**

A minor in English requires **English 19, 29, 175**, and three upper-division English electives.

**CREATIVE WRITING MINOR**

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 **English 19, 25**, two semesters of **26**, and three upper-division courses chosen from among the following:

**English 100:** Advanced Composition

**English 102:** Creative Writing Workshop

(may be repeated for credit in fiction, poetry, creative non-fiction, drama, and screenwriting).

**PREREQUISITE GRADE**

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

**C O U R S E S****LOWER DIVISION****3 Practice in Writing**

Designed to enable students to bridge the gap between their present level of writing competency and that expected of students entering **English 4**. Students focus on developing and organizing ideas, constructing complex sentences, and enhancing proofreading and editing skills. Enrollment in each section limited to 10 to allow individualized instruction. A grade of at least C– is prerequisite to enrollment in **English 4**. *Does not satisfy an Area requirement in the pre-2012 general education requirements.*

**4 Composition**

Students write analytical, expository and persuasive essays; they also study examples of good writing. Students are expected to produce thoughtful, lively essays characterized by a clear thesis, adequate development of ideas, careful organization, coherent paragraphs, and sentences that employ the conventions of standard written English.

**English 4** teaches a writing process that ranges from developing ideas through careful revision. Instructors often employ a peer-editing approach, in which students present their work to classmates, who respond with suggestions for improvement. This procedure teaches critical reading skills and helps students to become effective editors of their own and others' writing. A grade of at least C– is prerequisite to enrollment in **English 5**. *Does not satisfy an Area requirement in the pre-2012 general education requirements.*

**5 Argument and Research**

Students continue to develop the rhetorical and critical-thinking skills they need to analyze texts and to structure complex arguments. In addition, the course gives students practice in exploring ideas through library research and in supporting a thesis through appropriate use of sources. Students write and revise two or more essays, at least one of which is a substantial research essay that presents an extended argument. *Does not satisfy an Area requirement in the pre-2012 general education requirements.*

**19 Introduction to Literary Analysis**

A course to introduce skills of analysis and interpretation that will help students to understand and enjoy works of literature and to articulate their understanding in discussion and essays. Special attention is given to literary terms and conventions and to the problems involved in writing about works of literature. Required for English majors, this course begins the major and is prerequisite to **English 29**. *Satisfies Artistic Understanding (Analysis) in the Core Curriculum.*

## Curriculum English

### 23 American Voices

An introduction to some of the many voices that constitute the diverse literary cultures of the United States. Readings may include novels, poems, short stories, slave narratives, Native-American chants, or diaries and letters organized around a theme or issue. Examples of possible offerings: *The Immigrant Experience*, *Race and Sexuality in America*, *The City in American Literature*, *American Autobiography*, or *Growing Up in America*. *Satisfies Artistic Understanding (Analysis) and American Diversity in the Core Curriculum.*

### 25 Creative Writing: Multi-Genre Studies

An introduction to the critical and creative techniques and vocabularies of the major genres of creative writing—poetry, fiction, nonfiction, playwriting, and screenwriting. Students will be introduced to the craft of these genres while learning to explore their own written voice in a workshop-style environment. *Satisfies Artistic Understanding (Analysis and Creative Practice) of the Core Curriculum.*

### 26 Creative Writing Reading Series (.25)

Students enrolled in this course attend the public events of the Creative Writing Reading Series and have an opportunity to meet visiting writers and discuss the writing and performances of the readers in the series. *(Course may be repeated for credit. Students in the creative writing minor must take this course twice.)*

### 27 English Department Book Club (.25)

This class meets for one hour a week or two hours every other week to discuss works chosen jointly by an instructor and interested students. Its focus will vary from semester to semester, but may include such topics as books and the films based on them, fantasy fiction, memoir, detective fiction, or contemporary writing.

### 29 Issues in Literary Study

An introduction to the disciplinary concerns relevant to the study of English and American literature. Through readings in theory and literature, class discussion and writing, students engage with the following topics: diverse interpretive approaches, the role of the reader, and canon formation. *Prerequisite: English 19. This course is a prerequisite for English 167, 168 and 170.*

## UPPER DIVISION

### 100 Advanced Composition

This course is designed to improve students' analytical, persuasive and expository writing as well as to help them develop voice and style. Students will build on their research skills with the aim of producing effective upper-division college papers on complex topics. In addition, the course will cover motivation and commitment to writing and revising, appealing to specific audiences, developing and organizing ideas. *Prerequisites: English 4 and 5. Exception: With the Permission of the Director of Composition, transfer students with advanced standing may take this course in lieu of English 5.*

### 101 Writing Adviser Training Workshop (.25)

Training in the art of helping fellow students develop, organize, and articulate their ideas in writing. Students develop tutoring skills through practice and discussion in a workshop setting.

### 102 Creative Writing

Offerings rotate among poetry, fiction, creative nonfiction and dramatic writing. May be repeated for credit as genre varies. *Satisfies Artistic Understanding (Analysis and Creative Practice) of the Core Curriculum.*

### 103 British Literature I

Chronological study of British literature from the Middle Ages to 1700, including Chaucer, Shakespeare and Milton, with attention to close reading and historical context. **English 103** is not prerequisite to **English 104**.

### 104 British Literature II

Chronological study of British literature from the Neoclassic, Romantic, Victorian and Modern periods, with attention to close reading and historical context. Writers studied may include Pope, Wordsworth, Austen, Mary Shelley, Dickens, Woolf, Yeats and T.S. Eliot. **English 103** is not prerequisite to **English 104**.

### 105 Children's Literature

Intensive readings in imaginative literature for children. Topics may include adolescent fiction, multicultural literature, picture books, fairy tales, issues in selecting books for children, history, enduring themes, forms of fantasy, conventions and relationship to adult literature. *Satisfies Artistic Understanding (Analysis) of the Core Curriculum.*

### 110 Linguistics

An introduction to the scientific study of language. Language as a system: phonetics, phonology, morphology, syntax, semantics and discourse. Language in context: language in relation to history, culture, social class, region, ethnicity, and gender. Language considered biologically: as a uniquely human characteristic, in brain development, first- and second-language acquisition, and in animal communication systems.

### 111 Topics in Linguistics

Study of specialized topics in linguistics. Topics may include language and thought, language acquisition, second-language acquisition, sociolinguistics, and language and literature.

### 115 Chaucer

Studies in the poetry of Chaucer with emphasis on the *Canterbury Tales*; a study of Chaucer's language directed toward the ability to read the poetry with ease and understanding. *Satisfies Artistic Understanding (Analysis) of the Core Curriculum.*

### 118 20th-Century Literature

Reading and discussion of major works of literature written since 1900. Poetry, fiction, drama or essays included. *Satisfies Artistic Understanding (Analysis) of the Core Curriculum.*

**119 Contemporary Literature**

Reading and discussion of contemporary poetry, fiction, drama, or essay, with occasional inclusion of other media.

**120 The Short Poem**

Study of the development of lyric poetry written in English from the 16th century to the present.

**125 Film**

Viewing and discussion of films with emphasis on theory, history and aesthetics of film. *Satisfies Artistic Understanding (Analysis) of the Core Curriculum.*

**126 Film**

Viewing and discussion of films of a particular genre, country, or director. Examples: American comic film, Japanese film, film noir, films of Hitchcock. May be repeated for credit as content varies. *Satisfies Artistic Understanding (Analysis) of the Core Curriculum.*

**130 Single Author**

Intensive study of the major works of one important author. Some attention to background and biography. *May be repeated for credit as author varies.*

**138 Short Fiction**

Close reading of short stories and novellas of the 19th and 20th centuries. *Satisfies Artistic Understanding (Analysis) of the Core Curriculum.*

**140 Studies in Literary Genre**

Exploration of a particular literary genre. Examples of possible offerings: satire, tragedy, comedy, memoir, science fiction, detective fiction, Gothic fiction and nature writing. *Satisfies Artistic Understanding (Analysis) of the Core Curriculum.*

**141 Studies in Medieval Literature**

Study of British literature through 1500, focusing on the period as a whole or some aspect of it. Examples of possible offerings: Chaucer and His Contemporaries; Fabliau and Romance; the Arthurian Tradition; Medieval Allegory and Enigma; Women Writers of the Middle Ages.

**142 Studies in Renaissance and 17th-Century Literature**

Study of British literature from 1500 to 1660, focusing on the period as a whole or some aspect of it. Examples of possible offerings: Renaissance Drama Exclusive of Shakespeare; 16th-Century Poetry; 17th-Century Poetry; Prose of the English Renaissance; Renaissance Storytelling.

**143 Studies in Restoration and 18th-Century Literature**

Study of British literature from 1660–1800, focusing on the period as a whole or some aspect of it. Examples of possible offerings: Tory Satirists; Johnson and His Circle; Pre-Romantic Poetry; the Emergence of the Professional Woman Writer.

**144 Studies in 19th-Century Literature**

Study of British literature from 1800–1900, focusing on the period as a whole or on some aspect of it. Examples of possible offerings: Romantic Poetry; Victorian Poetry; the Social Problem Novel; Gothic Fiction; the “Woman Question” in the 19th Century.

**150 American Literature Before 1800**

Study of American prose, poetry, and fiction of the 17th and 18th centuries with particular attention to the representation of cultural diversity. Readings may include Native American literature, Puritan journals and poetry, prose by the Founding Fathers, and “domestic” novels by women.

**151 American Literature 1800–1900**

Study of American prose, poetry and fiction of the 19th century from the Transcendentalists to 1900, with particular attention to the representation of cultural diversity. Readings may include the literary traditions of Native Americans, African Americans, immigrants and women.

**152 20th-Century American Literature**

Study of American prose, poetry and fiction of the 20th century, with particular attention to the representation of cultural diversity. Readings may include writers representing modernism, the Harlem Renaissance, the Jazz Age and the Great Depression, the literary traditions of Chicano-, Hispanic-, and Asian-Americans.

**153 American Ethnic Writers and Oral Traditions**

Study of the literary or oral imaginative achievement of an American ethnic or cultural group such as Native Americans, Asian Americans, American Jews, specific Black cultural groups, Hispanic Americans or Chicano communities. *Satisfies Artistic Understanding (Analysis) and American Diversity in the Core Curriculum.*

**154 Studies in African-American Literature**

Study of some aspect of the African-American literary tradition. Examples of possible offerings are: Oral Tradition and Slave Narratives, African American Novelists, the Harlem Renaissance, Contemporary African American Poets. *Satisfies Artistic Understanding (Analysis) and American Diversity in the Core Curriculum.*

**160, 161 Development of English Fiction**

Studies in the origin and development of the English novel with attention to foreign influences. **English 160** is not prerequisite to **161**.

**162 The American Novel**

Studies in the range of varieties of the American novel.

**163 The Other English Literatures**

Studies in literature in English outside the English and American traditions. Examples: the Commonwealth Novel, the African Novel in English, Writers of the Caribbean, and Canadian Literature. May be repeated for credit as content varies. *Satisfies Artistic Understanding (Analysis) of the Core Curriculum.*

## Curriculum English

### 167 Literary Criticism

Readings in the development of critical theory from Aristotle to Coleridge. *Prerequisite: English 29.*

### 168 Literary Criticism

Readings in 19th- and 20th-century criticism and aesthetics. *Prerequisite: English 29.*

### 170 Problems in Literary Theory

Intensive study of the varying problems in literary theory. Examples of recent course offerings: Metaphor, Symbol and Myth; Philosophy in Literature; Feminist Theory; Post-Colonial Theory. May be repeated for credit as content varies. *Prerequisite: English 29.*

### 171 Literary Movements

Study of groups of writers related by time, place or interest. Examples of possible offerings are: The Metaphysical Poets, Modernism, the Bloomsbury Group, Negritude, American Expatriates, Surrealism, The Pre-Raphaelites. May be repeated for credit as content varies.

### 173 Women Writers

Intensive study of some aspect of literature by women. Examples of possible topics are: 19th-Century British Novelists; Contemporary Women Poets; and American and Canadian Short Story Writers. May be repeated for credit as content varies. *Satisfies Artistic Understanding (Analysis) of the Core Curriculum.*

### 175 Shakespeare

Close study of selected major plays and poems with attention to developing the ability to read the plays with ease and to experience them with pleasure. May be repeated for credit as topic varies. *Satisfies Artistic Understanding (Analysis) of the Core Curriculum.*

### 180 Milton

Study of the minor poems, of *Paradise Lost* and *Paradise Regained*, and of representative prose works such as the *Areopagitica*. Attention will be given to Milton's life and times.

### 182 The Drama

Study of ancient, modern and contemporary forms of drama. May include film and television. Attention is given to plays as works designed for performance. Emphasis on the structure and forms of dramatic texts.

### 183 Topics in Drama

Intensive study of a group of plays as products of their times and places. Examples of possible offerings are: Theater of the Absurd, Women Playwrights, Mythic Drama, Expressionist Drama, Restoration Drama. The plays are considered as works designed for theatrical production. May be repeated for credit as topic varies.

### 184 Contemporary Drama

Introduction to current plays by American and British playwrights. Attention is given to plays as works designed for theatrical production.

### 185 Individual Dramatist

Intensive study of the major works of one important dramatist. Some attention to background, biography and criticism, as well as to the plays as works designed for theatrical production. May be repeated for credit as content varies.

### 197 Special Study

An independent study or research for students whose needs are not met by courses available in the regular offerings of the Department of English. *Permission of the instructor and the department chair required.*

### 198 Senior Honors Thesis (Independent Study)

Directed reading and research under the supervision of a department faculty member, culminating in the writing of an academic thesis. Senior standing required. Course admission by application to department chairperson.

## MASTER OF FINE ARTS PROGRAM IN CREATIVE WRITING

The MFA Program in Creative Writing is a two-year course of study in the genres of fiction, nonfiction and poetry. 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 program requires completion of a creative master's thesis and 10 courses, including intensive writing workshops, craft seminars and literature courses.

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## C O U R S E S

### 200 Modernism and Modernity

For the purposes of this course, "modernism" refers to the international artistic movement that involved many art forms and responded to a sense of social breakdown in the early part of the 20th century. At the heart of modernism lay the notion that the social, political, religious and artistic structures of human life may, in fact, be falsehoods or fantasies. As a result of this new sense of reality, aesthetics had to be revised: Order, narrative and unity began to reflect a *desire* for coherence rather than a mirror placed in front of nature. Some of the defining characteristics of modernist work are the following: social criticism, particularly of Victorian social mores; a radical re-examination of the nature of reality and time; construction out of fragments or "images"; alienation from accepted beliefs and social structures; an awareness of the nature of consciousness. That said, the definition of modernism should be fluid and allowed to evolve over time.

Through lecture and discussion, the course will cover many of the movements of modernism, including symbolism, decadence, futurism, cubism, expressionism, dadaism and surrealism, offering approaches to a selection of literary texts from the period. In addition, the course will consider modernism after World War II, looking for connections between modernism and the contemporary period.

**211 Fiction Workshop**

This course is an intensive exploration of the ideas, techniques and forms of fiction with a primary emphasis on the careful analysis and discussion of student works-in-progress. Students will grapple with the questions of voice, point of view, dramatic movement, structure, rhythm and imagery, as well as with any and all issues of art and craft that arise from the individual manuscripts. By the end of the course, the students should develop the terminology and the critical skills for revising fiction, and should develop a good understanding about issues and trends in the genre.

**212 Poetry Workshop**

The primary aim of this course is to allow the students as much freedom as possible in their writing while teaching them the skills to identify their strengths and weaknesses. The most important work for the student will be to locate his or her style or voice, with encouragement to produce at least one new poem per week. By the end of the course, the students should develop the terminology and the critical skills for revising poetry, and should develop a good understanding about issues and trends in the genre. Students may also be encouraged to write a poetic statement in which they will analyze their own poems—with particular attention to their development over the semester.

**214 Creative Nonfiction Workshop**

This course gives students the opportunity to explore material in various areas of nonfiction, such as memoir, personal essay, or travel writing. The course addresses issues of voice, scene, point of view, and theme, as well as any other elements of nonfiction writing that will emerge from individual manuscripts. By the end of the course, the students should develop the terminology and the critical skills for revising nonfiction, and should develop a good understanding about issues and trends in the genre.

**221 Tutorial In Fiction**

Students will meet over the course of the semester with the instructor of the workshop for individual sessions to review strengths and areas for revision of manuscripts. The instructor will suggest additional reading, ideas for revision, writing exercises, and specific areas where a student might improve his/her craft.

**222 Tutorial In Poetry**

Students will meet over the course of the semester with the instructor of the workshop for individual sessions to review strengths and areas for revision of manuscripts. The instructor will suggest additional reading, ideas for revision, writing exercises, and specific areas where a student might improve his/her craft.

**224 Tutorial in Creative Nonfiction**

Students will meet over the course of the semester with the instructor of the workshop for individual sessions to review strengths and areas for revision of manuscripts. The instructor will suggest additional reading, ideas for revision, writing exercises, and specific areas where a student might improve his/her craft.

**231 Contemporary Fiction**

A careful study of a range of important works by contemporary writers of novels and short stories with attention to thematic and formal analysis. Writers to be studied may include Martin Amis, Margaret Atwood, Michael Cunningham, Don DeLillo, Nadine Gordimer, Louise Erdrich, Carole Maso, Toni Morrison, Alice Munro, Joyce Carol Oates, and John Edgar Wideman.

**232 Contemporary Poetry**

This course will examine a variety of different trends in contemporary poetry and enable students to distinguish between some of the most important voices. The course is likely to explore the relations between contemporary poets and some of their precursors with an eye toward how these writers have affected such post-World War II movements as the confessional school, the beats, open field, the New York School, the Black Arts Movement, and the Language poets. It will also consider the poetry of the present day in which there is far less of a consensus as to which poets, trends or schools are central.

**234 Contemporary Creative Nonfiction**

This course is a literary survey of contemporary nonfiction, including the personal essay and narrative nonfiction. Students will investigate the relationship between art and culture, between the writer and his/her society. The course will place special emphasis on formal analysis of themes and patterns in contemporary writing. Writers likely to be included are Jo Ann Beard, Joan Didion, Dave Eggers, Lucy Grealy, Pico Iyer, Mary Karr, Philip Lopate, Richard Rodriguez, Terry Tempest Williams and Tobias Wolff.

**250 Alternate Genre**

A writing workshop course in an alternative genre, such as playwriting, screenwriting or young adult fiction. This course explores the form's tradition, techniques and possibilities, and focuses on the analysis and discussion of student works-in-progress.

**261 Craft Seminar in Fiction**

This course focuses on issues that influence the writing of fiction. Some seminars may focus on issues of craft or aesthetics—narrative structure in the novel, point of view, or dialogue—and others may be thematic in nature—historical fiction, realism or the postmodern ethos. Readings may include a wide range of fiction from diverse backgrounds and historical periods as well as the students' own works-in-progress.

**262 Craft Seminar In Poetry**

This course focuses on issues that influence the writing of poetry. Some seminars may focus on issues of craft or aesthetics—figuration, the line, or open field theory—and others will be thematic in nature—politics and poetics, revolution and poetics, psychoanalysis and surrealism, nature poetics, etc. Readings may include a wide range of poetry from diverse sources and historical periods as well as the students' own works-in-progress.



## Curriculum English

### 264 **Craft Seminar in Creative Nonfiction**

This course focuses on issues that influence the writing of nonfiction. Some seminars may focus on issues of craft of aesthetics—narrative structure, point of view, or dialogue—and others may be thematic in nature or explore a subgenre of nonfiction—personal essay, memoir, nature writing, travel writing, humor, book review, historical narrative, biography, etc. Readings may include a wide range of nonfiction from diverse backgrounds and historical periods as well as the students' own works-in-progress.

### 280 **Internship**

Students have the opportunity to pursue internships either for elective credit or as an extracurricular activity. The teaching internship is designed to permit the student to observe the conduct of a college course and to share the pedagogical activity of a supervising instructor. Students also have the opportunity to receive credit for internships in publishing, arts administration, or teaching writing in the community. Though students may pursue an internship in publishing or arts administration at any time in their studies, the program encourages students to do so in their second year. Furthermore, teaching internships are only available to second-year students.

### 290 **Thesis**

During the spring semester of the second year, each MFA candidate is required to pursue a tutorial course of study under the direction of an assigned faculty writer in the student's genre. Through this tutorial, the student performs the revision necessary to turn two years of writing into a coherent, polished book-length thesis: a collection of essays, poems, or short stories; a novel, a memoir, or other book-length work of nonfiction. Students meet with their thesis director several times during the semester to confer on the following aspects of the thesis: final revision and editing of individual pieces to be included in the manuscript, selection and arrangement of material, and coherence of the work as a whole. The student takes an oral examination with the thesis director and second reader in order to assess the student's knowledge of contemporary literary aesthetics and how they relate to his/her work. Upon satisfactory completion of the thesis and the oral exam, the thesis director and second reader approve the thesis.

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

For more information, contact the MFA Program in Creative Writing, P.O. Box 4686, Saint Mary's College, Moraga, CA 94575-4686, or phone (925) 631-4457 or (925) 631-4762.

## ENVIRONMENTAL AND EARTH SCIENCE AND STUDIES PROGRAMS

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The Environmental Science and Studies (ESS) programs instill in students knowledge from many disciplines. This knowledge is applied to the study and management of the environment. Students examine the structure, function and dynamics of ecosystems, the interaction between physical and living systems, and how human enterprise is adversely affecting environmental quality. They explore how environmental degradation and pollution can be lessened or prevented by the application of sound management principles derived from ecological theory. In the study of the environment, students obtain the satisfaction of working toward an understanding of the natural systems around them, the opportunity to acquire the skills necessary to participate in the solution of serious environmental problems and the insights essential to a successful search for rational alternatives to present forms of ecosystem mismanagement. The programs foster critical thinking and holistic ways of knowing, and offer a variety of specific approaches from the experimental protocols of the natural sciences to ones that are similar to those of the social sciences and humanities. It seeks to achieve a balance between the empirical and normative aspects of environmental study.

The location of Saint Mary's College, near urban and suburban centers as well as a diversity of natural areas including tidal, freshwater, estuarine and marine systems; a delta, mountains, lakes, deserts, forests, valleys and scrub lands, allows access to an impressive array of study sites ranging from the relatively undisturbed to the severely impacted. Internships are available to offer first-hand experience in a variety of fields.

### FACULTY

**Roy Allen, Ph.D.**, *Professor of Economics*  
(*Natural Resource Economics and Human Ecology*)

**Steven Bachofer, Ph.D.**, *Professor of Chemistry*  
(*Environmental Chemistry*)

**Alice Baldrige, Ph.D.**, *Associate Professor of Geology*  
(*Geosciences, Hydrology, Remote Sensing*)

**Carla C. Bossard, Ph.D.**, *Professor of Biology*  
(*Plant Science, Ecology, Terrestrial Systems*)

**Joel Burley, Ph.D.**, *Professor of Chemistry*  
(*Atmospheric Chemistry, Environmental Chemistry*)

**Greg Croft, Ph.D.**, *Lecturer in ESS Program*  
(*Geophysics, Resource Evaluation*)

**Larry Cory, Ph.D.**, *Professor of Biology*  
(*Evolution, Environmental Perturbations*)

**John Ely, Ph.D.**, *Associate Professor of Sociology*  
(*Society and the Environment*)

**Rebecca Jabbour, Ph.D.**, *Associate Professor of Biology*  
(*Evolution, Genreal Biology*)

**Alex LaGatta, Ph.D.**, *Lecturer in EESS*

**Gretchen Lemke-Santangelo, Ph.D.**, *Professor of History*  
(*U.S. Environmental History*)

**Michael P. Marchetti, Ph.D.**, *Fletcher Jones Professor of Biology*  
(*Conservation, Aquatic Ecology, Invasive Species*)

**Asbjorn Moseidjord, Ph.D.**, *Professor of Economics*  
(*Environmental Economics*)

**Ron Olowin, Ph.D.**, *Professor of Physics and Astronomy*  
(*Geosciences, Environmental Modeling, Astronomy*)

**Roy Wensley, Ph.D.**, *Professor of Physics and Astronomy*  
(*Computational and Ecosystem Modeling*)

### 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** skillfully environmental findings through seminars, written scientific reports and visual presentations.
- **KNOW** how to find 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 Environmental and Earth Science and Studies Programs

### 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. The Studies program hosts an ongoing seminar series with three presentations per year, coordinated by the program director. This series includes broad areas of interest related to the environment, from poetry to science, and will include field trips to sites of interest on occasion. All majors in the program will be required to attend at least six of these special events in addition to their course requirements. 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.

### ENVIRONMENTAL SCIENCES MAJOR (BS)

*Required: 16 courses plus a senior project*

#### SEVEN REQUIRED LOWER DIVISION COURSES

EES 40/41 Geology and the Earth or  
EES 100 Hydrology  
CHEM 8/9 General Chemistry 1  
CHEM 9/10 General Chemistry 2  
MATH 27 Calculus 1  
BIO 1 Cell, molecular and genetics  
BIO 2 Organisms – evolution  
PHY 10/20 General Physics for biologists

#### FOUR REQUIRED UPPER DIVISION COURSES

BIO 119 or MATH 113 Biostats or equivalent  
ECON 150 Environment and Natural Resources  
Economics  
POL 135 or 136 Environmental Politics  
(or POL 136 Env Law)  
BIO 125 General Ecology

#### FIVE UPPER DIVISION ELECTIVES FROM THE FOLLOWING

EES 100 Hydrology  
EES 110 Geographic Information Systems  
EES 140 Environmental Geology/Natural Disasters  
EES 175 Wetlands  
BIO 113 Aquatics/Marine Biology  
BIO 142 California Flora and Communities  
BIO 144 Botany  
BIO 152 Conservation Biology  
CHEM 119 Environmental Chemistry  
CHEM 104 Organic Chemistry 1  
CHEM 106 Organic Chemistry 2

*Senior Project (.25)*

EES 197 Independent Study/Senior project

### ENVIRONMENTAL STUDIES MAJOR (BA)

*Required: 14 courses plus a senior project*

#### FIVE REQUIRED COURSES

BIO 50 General Biology  
BIO 125 General Ecology  
ECON 150 Environment and Natural  
Resources Economics  
POL 135 Environmental Politics  
(or POL 136 Environmental Law)  
EES 100 Hydrology

#### SELECT THREE LOWER DIVISION ELECTIVES FROM THE FOLLOWING, INCLUDING ALL LABS

MATH 4 Statistics and Probability  
EES 40/41 Geology and the Earth/Lab  
EES 60/61 Urban Environmental Issues/Lab  
PHY 40 Physics/Lab  
EES 92/93 Environmental Science/Lab or  
BIO 152 Conservation Biology

#### SIX UPPER DIVISION ELECTIVES

FROM THE FOLLOWING, INCLUDING LABS  
PHIL 130 Environmental Ethics  
HIS 155 Environmental History of Latin America  
SOC 134 Society and Environment  
POL 136 Environmental Law

EES 110 Geographic Information Systems  
EES 140 Environmental Geology/Natural Disasters  
EES 175 Wetlands  
EES 180 Geology and Environment of Parks  
BIO 113 Aquatic/Marine Biology  
BIO 142 California Flora and Communities  
BIO 144 Botany  
BIO 152 Conservation Biology

*Senior Project (.25)*

EES 197 Independent Study/Senior project

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

## Environmental and Earth Science and Studies Programs **Curriculum**

### **EARTH SCIENCE MAJOR (BS)**

*Required: 16 courses plus a senior project*

#### LOWER DIVISION CORE COURSES

EES 10/41 Lab Geology and the Earth  
ESS 50/51 Historical Geology  
BIO 50/51 General Biology  
CHEM 8/9 General Chemistry  
CHEM 10/11 General Chemistry II  
MATH 27 Calculus I  
MATH 28 Calculus II  
PHY 10/20 General Physics

#### UPPER DIVISION CORE COURSES

BIO 125 General Ecology  
ECON 150 Environmental and Natural Resources  
POL 135 Environmental Politics or  
POL 136 Environmental Law  
EES 197 Independent Study/Senior Project (.25)

*Select two of the following courses:*

EES 100 Hydrology  
EES 110 Introduction to GIS  
EES 140 Environmental Geology/Natural Disasters  
EES 160 Mineralogy  
EES 170 Igneous and Metamorphic Petrology  
EES 175 Wetlands  
EES 180 Sedimentology and Stratigraphy  
EES 190 Structural and Regional Geology  
BIO 119 BioStatistics and Research Design

### **ENVIRONMENTAL SCIENCE MINOR**

*Choose two lower division courses*

EES 92 Environmental Science  
BIO 50 General Biology  
EES 40 Physical Geology  
EES 60 Urban Environmental Issues

*Choose four upper division courses*

EES 100 Hydrology  
EES 110 GIS  
EES 113 Marine Biology  
EES 175 Wetlands  
BIO 125 Ecology  
BIO 142 Cal Flora  
BIO 144 Botany  
BIO 152 Conservation Biology

### **ENVIRONMENTAL STUDIES MINOR**

*Choose two lower division courses*

EES 92 Environmental Science  
BIO 50 General Biology  
EES 40 Physical Geology  
EES 60 Urban Environmental Issues

*Choose four upper division courses*

BIO 125 Ecology  
BIO 152 Conservation Biology  
ECON 150 Natural Resource Economics  
POL 135 Environmental Politics  
POL 136 Environmental Law  
EES 100 Hydrology  
EES 110 GIS

### **EARTH SCIENCE MINOR**

*Choose three lower division courses*

EES 40 Physical Geology  
EES 50 Historical Geology  
EES 92 Environmental Science

*Choose three upper division courses*

EES 100 Hydrology  
EES 110 GIS  
EES 140 Natural Disasters  
ECON 150 Natural Resource Economics

*One of the following*

BIO 113 Marine Biology  
BIO 142 Cal Flora  
BIO 144 Botany  
BIO 146 Ecophysiology

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## **C O U R S E S**

### LOWER DIVISION

#### **40 Geology and the Earth (Physical Geology)**

Nature and distribution of earth materials, the processes by which the materials are formed and altered, and the nature and development of the earth. The introductory course in the earth science sequence offered every fall term. *Satisfies Area B requirement in pre-2012 general education requirements. Satisfies Scientific Understanding of the Core Curriculum.*

#### **50 Earth and Life Through Time (Historical Geology)**

Principles of interpretation of earth history. Study of plate tectonics and sea-floor spreading as related to the development of continents, ocean basins and mountain belts. Origin, evolution and diversification of life through time. The second introductory course in the earth science sequence offered in the spring term. *Satisfies Area B requirement in pre-2012 general education requirements. Satisfies Scientific Understanding of the Core Curriculum.*

## Curriculum Environmental and Earth Science and Studies Programs

### 60 Urban Environmental Issues

A general education science course that serves the ESS program as a lower division chemistry course. This course focuses on the environmental issues of redevelopment of Superfund sites. The course has been taught as a learning community linking it with another sociology course. This Learning Community has had a significant community outreach component studying the redevelopment of Alameda Point, formerly NAS Alameda. The chemistry curriculum is presented in context evaluating the environmental risks and the technologies applied to clean up the site. *Satisfies Area B requirement in pre-2012 general education requirements. Lab fee \$175.*

### 75 Wetlands

Wetlands was designed to enable non-science major students to experience science as a way of knowing. Students study the environmental and organismal characteristics of various ecosystems which have soil covered with water at least part of the year. They study the biotic and abiotic factors that make wetlands unique. By examining the hydrology and biogeochemistry of fresh and salt water marshes, swamps, mangroves, bogs, vernal pools and peatlands, students come to understand the ecological and economic values of wetlands and about the threat to their continued existence. *Satisfies Area B requirement in pre-2012 general education requirements. Satisfies Scientific Understanding and Community Engagement in the Core Curriculum. Lab fee \$175.*

### 92 Introduction to Environmental Science

The entry level course reviewing the field. Physical, chemical, biological, geological and cultural dimensions of environmental problems are examined in this course. It surveys the historical roots of these problems, then considers components such as population pressure, air and water pollution, global change, desertification, deforestation et al. An introduction to ecological principles is provided. *Satisfies Area B requirement in pre-2012 general education requirements. Satisfies Scientific Understanding and Common Good of the Core Curriculum.*

## UPPER DIVISION

### 100 Hydrology

The hydrologic cycle, from precipitation, evapotranspiration, infiltration and runoff, to surface and groundwater. Hydrograph analysis, stream gaging and discharge determination. Groundwater occurrence, movement and evaluation. Hydrologic regions of U.S., emphasizing the western states. *Prerequisite: Area B math in the pre-2012 general education requirements or permission of instructor. No lab but field trip(s).*

### 110 Introduction to GIS/Remote Sensing

Use of Geographic Information Systems (GIS) for interpretation of spatial data and preparation of maps. Display and manipulation of vector and raster data, including point locations, street maps, boundaries and satellite images. Map scale, projections, and coordinate transformations. Basic database queries. Principles of Global Positioning Systems (GPS). The course will include examples from several disciplines. *Prerequisite: Area B math in the pre-2012 general education requirements or permission of instructor. Lab and field trips.*

### 140 Environmental Geology/Natural Disasters

The interaction between geologic processes and human society. Topics include rock, mineral, water, and energy resources, volcanic hazards, earthquakes, landslides, floods, erosion, coastal processes, plate tectonics, geologic time, pollution problems and environmental management. *Prerequisite: Area B math in the pre-2012 general education requirements or permission of instructor. No lab but field trip(s).*

### 160 Mineralogy

Principles of mineralogy, crystal symmetry, structure and chemistry. Laboratory emphasizes physical properties and identification of minerals in hand sample and thin section. The key course requirement for a major. Rocks are collections of minerals. So one must know one's minerals. *Prerequisites: Introductory chemistry and EES 40 or permission of instructor. Lab.*

### 170 Igneous and Metamorphic Petrology

Characteristics, phase relations, and origin of igneous and metamorphic rocks. Plate-tectonic setting of magmatism and metamorphism. Laboratory emphasizes rock classification based upon hand-lens and microscopic examination of mineralogy and texture. *Prerequisite: EES 160 or equivalent or permission of instructor. Lab and field trips.*

### 180 Sedimentology and Stratigraphy

Depositional systems and sedimentary processes. Facies models, succession, age relationships and correlation of strata. Petrology and provenance of sedimentary rocks. *Prerequisites: EES 40 or EES 160 or equivalent or permission of instructor. Lab and field trips.*

### 190 Structural and Regional Geology

Geometric, kinematic and dynamic analysis of structures of igneous, sedimentary and metamorphic rocks. Laboratory emphasis on descriptive geometry and stereographic solutions to structural problems; geologic maps and structure sections. *Prerequisite: EES 40 or permission of instructor. Lab and field trips.*

### 195 Geologic Field Methods

Introduction to geologic field methods and instruments, use of aerial photographs and topographic maps in geologic mapping, preparation of geologic maps of local areas. *Prerequisites: EES 40 and two upper division courses or permission of the instructor. One hour lecture, 6 hours field. Summer Session offering.*



## ETHNIC STUDIES

Ethnic Studies at Saint Mary's focuses on all U.S. ethnic groups, with particular attention paid to the major underrepresented minority groups: African American, Latino, Asian American/Pacific Islander and Native American. The program offers a multidisciplinary minor encompassing courses from many curricular areas, among others: anthropology, the arts, economics, history, politics, psychology, communication and sociology. Courses that fulfill this minor help students learn about the contributions that each group has made to American society, and address issues of social justice, discrimination, immigration and globalization. The Ethnic Studies minor complements the College's commitment to social justice and to fostering a diverse community that respects and appreciates cultural difference.

### FACULTY ADVISORY BOARD

David Quijada, Ph.D., *Associate Professor of Ethnic Studies, Director of Ethnic Studies*

Shawny Anderson, Ph.D., *Associate Dean of Liberal Arts*  
Travis S. Becker, M.A., *Assistant Director,*  
*Intercultural Center*

Reid Davis, Ph.D., *Adjunct Assistant Professor*  
*of Performing Arts*

Cynthia Ganote, Ph.D., *Associate Professor of Sociology*

Jeannine King, Ph.D., *Associate Professor of English*

Kathryn Koo, Ph.D., *Associate Professor of English*

Mary McCall, Ph.D., *Professor of Psychology*

Marie Pagliarini, Ph.D., *Associate Professor of Theology*  
*and Religious Studies*

Alvaro Ramirez, Ph.D., *Professor of Modern Languages*

Scott Schönfeldt-Aultman, Ph.D., *Associate Professor*  
*of Communication*

Ynez Wilson Hirst, Ph.D., *Adjunct Associate Professor*  
*of Sociology*

### LEARNING OUTCOMES

After the completion of the minor, students will:

- **UNDERSTAND** the history and social theories relevant to a critical analysis of African American, Latino, Native American and Asian American/Pacific Islander ethnic groups.
- **APPLY** these theoretical and analytical frameworks to gain insight into an increasingly complex, multicultural and interdependent world.
- **EXPERIENCE** a community setting that works with or serves one of the groups identified above through a service-learning course, community-based research or their senior project.

### MINOR REQUIREMENTS

For successful completion of the ethnic studies minor, students must complete the following three courses:

**Ethnic Studies 001: Introduction to Ethnic Studies**

**Collegiate Seminar 124: Multicultural Thought**

**Ethnic Studies 196: Senior Thesis and Portfolio**

(to be taken only after successful completion of ES 001, with a grade of C- or higher, and two upper-division electives in the minor).

Students must also choose three upper-division courses, one from each of the following three areas:

**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 below are representative of courses that would fulfill this area.

**Sociology 112: Race and Ethnicity**

**Sociology 116: New Immigrants and Refugees**

**Sociology 123: Ethnic Groups in the United States**

**Sociology 135: Whiteness**

**Sociology 135: Marginalized Groups in**  
**American Society**

**Communication 104: Intercultural Communication**

**History 136: Immigration and Ethnic Relations in**  
**American History**

**Politics 110: Minority Politics**

**Psychology 165: Cross-Cultural Psychology**

**Arts and Literature:** Within ethnic studies, the role of arts and literature is not only to reflect the social reality of ethnic experience 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. The courses below are representative of the types that fulfill this area.

**English 154: Studies/Trauma in African-American**  
**Literature**

**Performing Arts 130: Theatre of American Culture**

**Art History 166: The Artist in 20th Century Society**

**Modern Languages 150: Chicano/Chicana Literature**

**Socioeconomics and Inequality:** This area includes courses that address the relationship between ethnicity and economic, political and social inequalities in contemporary society. The courses below are representative of the types that fulfill this area.

**Sociology 115: Wealth and Poverty**

**Sociology 120: Social Movements and Social Change**

**Sociology 135: Marginalized Groups in American**  
**Society**

**Economics 152: Labor Economics**

**Politics 115: Theories of Justice**

**Religious Studies 117: Wealth and Poverty in the Bible**

## Curriculum Ethnic Studies

Students work closely with a faculty advisor throughout the course of their program. Advisors help each student organize the details of their personalized minor in order to address each student's interests and fulfill the requirements.

Students should secure approval for any course from the director of the program before taking the course to ensure it meets the criteria. Students who have taken courses in the past who believe they may meet the criteria should meet with the director.

### PREREQUISITE GRADE

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

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## CORE COURSES

### 1 Introduction to Ethnic Studies

This course provides an introduction to the complex nature of racial and ethnic populations in the United States. It seeks to understand the diverse traditions and cultures of the people of the United States in order to gain an appreciation for American diversity. It offers a critical understanding of the origins and impacts of settler colonialism, conquest, slavery, war and immigration on the development of the U.S. We will examine the ways in which race and ethnicity intersect with gender, class, sexuality, citizenship and nationality in order to better understand how systems of power and inequality are constructed, reinforced and challenged. *Satisfies an Area C requirement in the pre-2012 general education requirements. Satisfies American Diversity and Common Good of the Core Curriculum.*

## HISTORY

In offering a disciplined study of the past, the History Department provides perspectives on issues that arise out of the tensions societies have to face in every generation—tensions between freedom and authority, between reason and faith, between personal agency and impersonal structures and forces. The department promotes the ability to read critically and to write coherently, as it attempts to meet the needs of students with varying objectives: the history major, the student from another department seeking a broader background for his or her own discipline, or the student who is simply curious about a specific age, society or problem. In each course the history faculty cultivates understanding rather than simply memorizing facts, in the belief that the experience gained through systematic analysis of historical issues equips students not only for the teaching of history or for advanced study in history and related fields but also for the study of law, journalism, or library science; for the pursuit of careers in local, state, or national public service; for business positions that demand literate, imaginative, and resourceful people; and for the active and critical participation necessary to live in a democracy.

The department also participates in the following interdisciplinary majors and minors: Women's and Gender Studies, Ethnic Studies, Environmental Studies and International Area Studies.

### FACULTY

Myrna Santiago, Ph.D., *Professor, Chair*  
 Carl J. Guarneri, Ph.D., *Professor*  
 Brother Charles Hilken, FSC, Ph.D., *Professor*  
 Ronald Isetti, Ph.D., *Professor Emeritus*  
 Gretchen Lemke-Santangelo, Ph.D., *Professor*  
 Katherine S. Roper, Ph.D., *Professor Emeritus*  
 Ae Leah Soine, Ph.D., *Assistant Professor*  
 E. Elena Songster, Ph.D., *Assistant Professor*

### LEARNING OUTCOMES

*When students fulfill the requirements of the history major they will be able to:*

- **THINK** historically, read critically, write coherently, and speak persuasively.
- **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** primary and secondary sources to construct sophisticated, persuasive, and logical interpretations of historical problems and events.

### MAJOR REQUIREMENTS

#### LOWER DIVISION

**History 1, 2, or 4, 5; 17, 18; and 10.** (**History 1, 2** is the World History sequence; **History 4, 5** is the Western Civilization sequence. Students may combine **History 1 and 5** or **History 2 and 4**, but may not combine **History 1 and 4** or **History 2 and 5**.)

#### UPPER DIVISION

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

One course in specific problems of research and writing (**History 106**) and one course in either historical interpretation (**History 104**) or historical theory (**History 105**).

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, or Latin American history).

United States: **History 130** (when applicable), **131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142**

Latin America: **History 150** (when applicable), **151, 152, 153, 154, 155**

Medieval Europe: **History 110** (when applicable), **111, 112, 113**

Modern Europe: **110** (when applicable), **113, 114, 115, 116, 117, 118, 119**

Africa: **History 170** (when applicable), **171, 172**

Asia: **History 160** (when applicable), **161, 162**

One upper-division elective, chosen from any of the History Department's courses.

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

## Curriculum History

### MINOR REQUIREMENTS

The minor in history requires the following:

Any two lower-division history courses; **History 10**, **History 104**, **105** or **106**; two additional upper-division courses, each in a different area of concentration.

### PREREQUISITE GRADE

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

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## C O U R S E S

### LOWER DIVISION

#### 1 World History to 1500

An introduction to the study of world societies from a global perspective, dating from the Paleolithic age to the 16th century, and focusing on the development of civilizations, the rise of world religions, and the interactions and exchanges among peoples in Eurasia, Africa, India, Southeast Asia and the Americas. *Satisfies Social, Historical, and Cultural Understanding and Global Perspectives in the Core Curriculum.*

#### 2 World History since 1500

An introduction to the study of world societies from a global perspective, dating from the 16th century to today, focusing on colonialism, political revolutions, industrialization, imperialism, the North-South divide, and twenty-first century globalization. *Satisfies Social, Historical, and Cultural Understanding and Global Perspectives in the Core Curriculum.*

#### 4 History of Western Civilization to 1500

An introduction to history through the study of Western civilization from its origins in the Mediterranean world to the age of discovery in 15th-century Europe. Readings include primary sources as well as works dealing with issues of interpretation. *Satisfies Social, Historical, and Cultural Understanding in the Core Curriculum.*

#### 5 History of Western Civilization since 1500

This course will introduce students to “Western Civilization” as an evolving idea to be followed, contested, and redefined from the religious, social, and political upheavals of sixteenth-century Europe to contemporary debates over the role of Western values and traditions in an increasingly global society. Topics and themes may include: state-building, daily life and popular culture, war and revolution, nationalism and imperialism, and European/global integration. Through historical narratives, primary sources, literature, and multimedia, we will consider how questions over political and cultural borders, social and economic stratification, and shared and contested values pushed and pulled the people of “Western Civilization” closer together and farther apart—from each other and the rest of the world. *Satisfies Social, Historical, and Cultural Understanding in the Core Curriculum.*

#### 10 Introduction to Historical Methods

Drawing upon primary-source documents and secondary works by historians covering a wide range of places and periods, this course introduces students to fundamental concepts of historical thinking, including methods of historical analysis, issues of interpretation, and inquiry into varied historical approaches and genres. Attention is also given to historical research strategies and writing skills.

#### 17 History of the United States to the Civil War

A chronological survey of American history from European colonization to the Civil War, with an emphasis on racial, ethnic, class and gender relations, immigration and migration, the rise and impact of social movements, and the relationship between North America and the world. *Satisfies Social, Historical, and Cultural Understanding and American Diversity in the Core Curriculum.*

#### 18 History of the United States since Reconstruction

A chronological survey of American history from Reconstruction to the present, with an emphasis on racial, ethnic, class and gender relations, immigration and migration, the rise and impact of social movements, and the relationship between the United States and other nations. *Satisfies Social, Historical, and Cultural Understanding and American Diversity in the Core Curriculum.*

### UPPER DIVISION

Students must have sophomore standing to enroll in upper-division courses.

#### 100 Topics in World History

Analysis of a selected theme, problem, era, or region not covered by regular course offerings of the department. Topics are announced prior to registration each semester. Students may repeat this course, as subject matter changes.

#### 104 Historical Interpretation

This seminar on historiography addresses questions of historical methods, focusing on methodological controversies and interpretations within a specific area of history. Topics vary according to instructor.

#### 105 Modern Approaches to History

A study of the development of history as a scholarly discipline beginning with fundamental questions of method and research, followed by analysis of major controversies stemming from contemporary approaches to historical research and to public history. In addition, resident historians discuss the problems they encounter in their research and writing.

#### 106 Seminar in Historical Research

The capstone of the History department, this seminar expects students to demonstrate that they have mastered the skills of the discipline: using primary sources and interpreting them to make a historical argument that contributes to the historiography. Each student does a research paper (30 pages of text) under the guidance of the professor. Topics vary according to instructor. *Pre-requisite for students entering after Fall 2012: History 10.*

**110 Topics in European History**

Analysis of a selected theme, problem, era, or region not covered by the regular offerings of the department. *May be repeated for credit as content varies.*

**111 Birth of Europe**

A study of the early development of medieval society and institutions, emphasizing the formative influences of classical, Christian, and Germanic culture in the creation of the Middle Ages. The course traces the Middle Ages from A.D. 300 to 1000, considers such issues as medieval monasticism and the papacy, the rebirth of empire under Charlemagne, the origins of feudal society, and the effects of Byzantine culture and the rise of Islam upon the Latin West. *Offered in alternate years.*

**112 Europe in the High and Middle Ages**

A study of the years A.D. 1000 to 1450, that period in which the seeds of medieval culture, sown during the 700 preceding years, come into full flower—the age of the Crusades and chivalry, Romanesque and Gothic architecture, St. Francis, St. Thomas and Dante. The course is divided into thematic sections treating the relationship between the Christian and Muslim worlds, papal-imperial politics, social and economic changes, the rise of the universities, and the waning of the Middle Ages. *Offered in alternate years.*

**113 The Age of the Renaissance**

An exploration of the rise of humanism in Europe between 1350 and 1550. The course focuses upon the educational and artistic movements that began in Italy and spread north to the rest of Europe. Attention is given to providing a social and political context for the cultural achievements of the period. Renaissance culture will be examined in light of its classical and medieval roots. *Offered in alternate years.*

**114 Early Modern Europe**

A survey of 16th-century European society, emphasizing social and political changes brought about by widespread religious reforms. Attention is given to key religious figures, such as Martin Luther, John Calvin and Theresa of Avila. This course will also explore cultural history, the impact of the printing press, and the spread of capitalism. *Offered in alternate years.*

**115 France and Germany: From National Revolutions to the European Union**

This course will address major theoretical and historiographic debates over national identities, nation-state formation, and citizenship. Drawing upon the case studies of France and Germany, we will trace the processes of defining European nationhood and citizenship since the end of the eighteenth century. Themes will include revolutions, the unification of people and political entities, imperialism and irredentism, domestic tensions between majority and minority interests, and steps toward European integration culminating in the European Union. We will examine changing definitions of French, German, and European citizenship to discuss how nations perpetually construct and redefine boundaries of inclusion and exclusion based on gender, class, race, ethnicity, and religion. *Offered in alternate years.*

**116 Transnational Origins of the Welfare State**

The European welfare state of the post-World War II era has been praised as the hallmark of post-war socio-economic recovery and stability, generous state-funded systems of education, health-care, and social safety nets, and models of social justice and human equity. Yet, critics see a system plagued by inefficiency, bloated government bureaucracies, discredited forms of socialism, and ongoing threats to individual liberty. This course will explore the origins and development of European social welfare out of the early industrialized economies of Great Britain, the United States, and Germany, and modern debates over the ideal level of government intervention and obligations to its citizens and non-citizens. *Offered in alternate years.*

**117 20th-Century Europe**

A survey of European society from the outbreak of World War I to the present. Major themes include the failures of international stability, the problems of technological society, the effects of the Russian Revolution, the rise of fascism, the phenomenon of decolonization, and the development of the European Community, World War II and the Holocaust, the Cold War, in the aftermath of the collapse of the Soviet system. *Offered in alternate years.*

**118 The Victorian Empire**

The “sun never set” on the global British empire of the nineteenth and early twentieth century, but its scale alone makes it difficult to comprehend from the multiplicity of local and global perspectives involved in its construction, contestation, and evolution. This course will trace the development of the British Empire before, during, and after the heyday of Queen Victoria’s empire (1837–1901) from geographic, demographic, and temporal vantage points. We will explore the intertwined nature of imperial, national, and racial identities in the British Empire, political contestations over citizenship and belonging, imperial wars and revolutions, industrialization and class conflicts, changing gender roles and sexual mores, and the flourishing of popular imperial literature and culture around the world. Students will also engage independently and collaboratively with children’s and adult literature, historical and contemporary films, museum and cultural exhibits, and both scholarly and primary texts from and about the Victorian Era that continue to shape our own historical consciousness of the British, their empire, and the era. *Offered in alternate years.*

## Curriculum History

### 119 Germany History

If national histories serve to reinforce common identities and traditions within the context of the modern nation-state, then what are we to make of the diverse central European peoples tied together by the questionable force of the German imperial state in 1871, only to be characterized by brutal dictatorship(s) and re-fragmented states throughout the twentieth century? This course seeks to understand how aspects of tradition within the predominantly German-speaking regions of central Europe were weighed and mobilized in order to answer the questions of who are the Germans and what is or where is Germany? To this end, our course materials will explore the making of what have become trademark German political, social, and cultural traditions (poetry, fairytales, music, militarization, environmentalism, and beer drinking) within particular eras of German history since 1500. *Offered in alternate years.*

### 130 Topics in American History

Analysis of a selected theme, problem, era, or region not covered by the regular offerings of the department. *May be repeated for credit as content varies.*

### 131 Colonial History of the United States

This course examines the collision of peoples in colonial North America from the first contacts between Europeans and Native Americans through the importation of African slaves to the establishment of enduring white colonial settlement. Emphasis is placed on the global context of European expansion, the changing nature of Indian-white relations, the diversity of colonial settlements, the rise of North American slavery, Britain's ascendancy over its European rivals, and colonists' connections to British imperial and mercantile systems. *Offered in alternate years.*

### 132 The American Revolution and the Early Republic

Spanning the period from the 1750s to the 1830s, this course examines the transformations brought to colonial America by the Revolution, the establishment of nationhood and the Constitution, and the development of political and social democracy. Emphasis is placed on the international context of revolution and independence, the founding generation's debates and documents, the course of American race relations, and the rise of popular religion and politics. *Offered in alternate years.*

### 133 Era of the Civil War and Reconstruction

An examination of American society and politics from the Age of Jackson to the end of Reconstruction. Major focus is on the Civil War as the great crisis of national unity. Topics include slavery and other sectional differences that underlay the conflict; the political events that led to war; the struggle on the battlefield and home fronts; emancipation and its effects; and the new nation that emerged after the "failed revolution" of Reconstruction. *Offered in alternate years.*

### 134 Recent History of the United States

A study of the United States from 1890 to the present with an emphasis on America's rise (and potential fall) as a global superpower, and its struggle to address inequalities of race, gender and income, and competing visions of the "American dream." *Offered in alternate years.*

### 135 America in the World: The History of U.S. Foreign Relations

An examination of the nation's foreign relations, broadly defined, from commerce, wars, and imperialism in the 19th century through the challenges of war, hegemony, and global integration in the 20th century. The roots of U.S. policies are traced to domestic political, economic, and cultural influences as well as geopolitical considerations, and America's growing impact abroad is examined and assessed. *Offered in alternate years.*

### 136 Immigration and Ethnic Relations in American History

A study of immigrant groups in the United States from early nationhood to the present, assessing their response to and impact upon American society. Topics discussed include the global context of migration to America, "colonized" vs. immigrant minorities, problems of adjustment and assimilation in comparative perspective, ethnic politics and culture, nativism and conflicts over citizenship, black migration to the North, and competing theories of American ethnic and race relations. *Satisfies Social, Historical, and Cultural Understanding and American Diversity of the Core Curriculum. Offered in alternate years.*

### 137 United States History in Comparative and Transnational Perspective

This course integrates American history into global frameworks of analysis by exploring connections and comparisons between the United States' historical development and that of other nations. Topics include common experiences with European colonization, revolution and nation-building, political systems, frontiers and native peoples, slavery and race, reform and women's movements, transatlantic and transpacific migration, industrialism, imperialism, and the rise and fall of the welfare state. Attention is also paid to the impact of American culture abroad. *Offered in alternate years.*

### 138 The Development of Modern American Culture

This course draws on documentary sources that illustrate and dissect American ways of life from the late 1800s to the present. It analyzes popular novels, movies, oral histories, art, and social criticism to determine the changing shape of American culture, the various subcultures that compose it, and the relationship of culture to social and economic forces. Special attention will be given to race, region, class, gender, and religion as agents of diversity, and conversely, the influence of ideology, mobility, consumerism, and mass culture in unifying Americans. *Satisfies Social, Historical, and Cultural Understanding and American Diversity of the Core Curriculum. Offered in alternate years.*



**139 History of Women in America**

A survey of American women's history from 17th century colonial encounters to the present with an emphasis on ethnic and class diversity, shifting definitions and cultural representations of womanhood, and the efforts of women to define their own roles and extend their spheres of influence. *Offered in alternate years.*

**140 African-American History: 1619 to 1865**

A survey of African American history from the late 15th century through the Civil War with an emphasis on comparative slave systems, slave culture and resistance, free black communities, black abolitionist thought and its connections to the broader Atlantic world, and the transition from slavery to freedom. *Offered in alternate years.*

**141 African-American History: 1865 to the Present**

A survey of African American history from Reconstruction to the present with an emphasis on structural barriers to full equality, black migration, institution building, the enduring struggle for economic, political, and social equality, and the transnational dimensions of the black freedom struggle. *Satisfies Social, Historical, and Cultural Understanding and American Diversity of the Core Curriculum. Offered in alternate years.*

**142 History of California**

A chronological survey of California history from its pre-contact beginnings to the present, with an emphasis on ethnic diversity, national and transnational interactions, environmental problems, social movements, competing visions of the "California dream," and contestations over the allocation of economic, social, and political power. *Satisfies Social, Historical, and Cultural Understanding and American Diversity of the Core Curriculum. Offered in alternate years.*

**150 Topics in Latin American History**

Analysis of a selected theme, problem, era, or region not covered by the regular offerings of the department. *May be repeated for credit as content varies.*

**151 Women in Latin American History**

An examination of the participation of women in struggles for social justice in Latin America, asking what has motivated women to abandon traditional roles and how they have shaped debates about human rights, democracy, feminism, ecology, and socialism in selected Latin American countries. *Offered in alternate years.*

**152 Revolution in Latin America**

A study of the struggle for social justice in Latin America, with an emphasis on origins, class and gender participation, global contexts, successes and failures of revolutions in Mexico, Bolivia, Guatemala, Cuba, Chile, Nicaragua, and selected contemporary countries. *Satisfies Social, Historical, and Cultural Understanding; Global Perspectives; and Common Good of the Core Curriculum. Offered in alternate years.*

**153 The African Diaspora in Latin America**

The course follows the African heritage of the Caribbean, Brazil, and the Atlantic coast of Central and South America. It examines the origins of the African population, the roles it has played in economic, political, and cultural developments in the region, as well as the ongoing struggle for social justice against racism and discrimination. *Offered in alternate years.*

**154 Latin America, the United States, and the Drug Trade**

An examination of the origins and development of the north-south drug trade, exploring the roles played by countries like Peru, Bolivia, Colombia, and Mexico; and the impact of the trade and the drug wars on U.S.-Latin America diplomatic relations, democracy and human rights. *Offered in alternate years.*

**155 Latin American Environmental History**

A review of the latest scholarship in the field, including topics such as the role of disease in the Spanish conquest, monocrop plantation agriculture, conservation, the destruction of the tropical rainforest, the ecological effects of oil extraction, nuclear power, chemical and pesticide use, and the meanings of sustainable development. Countries covered will vary from year to year. *Satisfies Social, Historical, and Cultural Understanding and Global Perspectives of the Core Curriculum. Offered in alternate years.*

**160 Topics in Asian History**

Analysis of a selected theme, problem, era, or region not covered by the regular offerings of the department. Students may repeat course, as subject matter changes.

**161 Modern Japan**

The course begins in 1603 with the establishment of the Tokugawa Shogunate and ends with present-day Japan. Emphasis is placed on social, cultural, environmental and economic history. Special attention is given to the transformations of Japanese society and the changing nature of its interactions within the region of Asia and across the globe over the course of this historical period. *Offered in alternate years.*

**162 Modern China**

The course begins in 1911 with the toppling of the Qing (Manchu) Dynasty and ends with the split identity of present-day Communist China and the Republic of China in Taiwan. Emphasis is placed on social, cultural, environmental, political, and economic history. The course examines one of the most tumultuous eras of Chinese history and traces China's emergence from a struggling young republic to a growing superpower. *Offered in alternate years.*

## Curriculum History

### 163 Ethnic Identity and Conflict in China

An examination of the perception of ethnicity in China during ancient, Imperial, modern, and contemporary periods. The course explores concepts of difference, race, ethnicity, and identity, as well as conflicts and policies derived from these notions, including the experience of specific groups as they tried to become part of mainstream Chinese society or to distinguish themselves from it. We will learn how ethnicity played a role in the construction of empire and nation in Chinese history. *Offered in alternate years.*

### 170 Topics in African History

Analysis of a selected theme, problem, era, or region not covered by the regular offerings of the department. Students may repeat this course, as subject matter changes.

### 171 African History to 1850

A study of human origins in Africa, black migration, the expansion of Islam in Africa, the slave trade, and the rise of ancient kingdoms of Ghana, Mali, Zulu. The course searches for and establishes the cultural identity of Africa before slavery, and the influence of ancient Egyptian, Nubian and Meroe cultures on subsequent sub-Saharan civilization. *Offered in alternate years.*

### 172 African History Since 1850

A study of the major themes of state building, Islamic revolutions, colonialism, nationalism and pan-Africanism, the role of the military in recent decades, African decolonization and economic development in the context of the modern world. The course emphasizes the development of African contemporary culture in comparison with that of select nations and regions of the developed world. *Offered in alternate years.*

### 197 Special Study

An independent study or research course in subject matter not offered by the department. Students must submit a proposal the semester prior. **History 10** and approval by the instructor and department chair required. *See department chair for details and forms.*

### 199 Special Study – Honors

An independent study or research course for upper-division history majors with at least a 3.0 GPA in history. Students must submit a proposal the semester prior. **History 10** and approval by the instructor and department chair required. *See department chair for details and forms.*

## INTEGRAL PROGRAM

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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, of the liberal arts.

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 tutors are drawn from the various departments of the larger College.

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. The program has received national accreditation from the American Academy for Liberal Education.

### TUTORS

Michael Riley, Ph.D., *Classical Languages, Director*  
 Theodore Tsukahara, Ph.D., *Economics*  
 Brother Kenneth Cardwell, FSC, Ph.D., *Rhetoric*  
 Theodora Carlile, Ph.D., *Dramatic Art*  
 Steven Cortright, M.A., *Philosophy*  
 Alexis Doval, Ph.D., *Theology*  
 Elizabeth Hamm, Ph.D., *History of Science*  
 Brother T. Brendan Kneale, FSC, *Emeritus*  
 Joseph Lanigan, *Emeritus*  
 Jacob Lester, Ph.D., *Biology*  
 Brother Raphael Patton, FSC, Ph.D., *Mathematics*  
 Rafael Alan Pollock, *Emeritus*  
 Edward Porcella, Ph.D., *Philosophy*  
 James Sauerberg, Ph.D., *Mathematics*  
 Roy Wensley, Ph.D., *Physics*  
 Brother Martin Yribarren, FSC, Ph.D., *Music*  
 Joseph Zepeda, Ph.D., *History and Philosophy of Science*

### LEARNING OUTCOMES

Students who complete the program will demonstrate:

- **CAPACITY** for disciplined examination and discussion of fundamental ideas and questions, as treated or suggested by some of the great written texts.
- **ACQUAINTANCE** with 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.
- **BASIC** general competence in reading and listening, and in the verbal and written formulation of judgments, distinctions, questions and arguments.

### REQUIREMENTS

As a separate 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. Note that the College requires further the successful completion of four January courses and sufficient electives to bring the total to 36 courses. Those completing the first two years of the program have fulfilled all requirements of the College in general education, except English and two January courses.

### 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 freshman year. In extraordinary cases, a remedial course in January may allow a freshman entrance in February.*

*Any course in this program with a prerequisite assumes a grade of C– or better in the prerequisite course.*

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**C O U R S E S**

**SEMINARS**

**11–12 Freshman Seminar**

Homer, Aeschylus, Herodotus, Sophocles, Euripides, Aristophanes, Plato, Aristotle and Euripides.

**113–114 Sophomore Seminar**

The Law and Prophets, Psalms, Gospels and selected Epistles, Virgil, Lucretius, Tacitus, Plotinus, Epictetus, Augustine, Anselm, Aquinas, Dante, Chaucer, Rabelais, Machiavelli, Luther, Montaigne and Shakespeare.

**115–116 Junior Seminar**

Cervantes, Descartes, John of the Cross, Milton, Spinoza, Pascal, Corneille, Racine, Molière, Hobbes, Swift, Locke, Berkeley, Fielding, Leibniz, Hume, Boswell, Kant, Diderot, Rousseau, Voltaire, Blake and the Federalist Papers.

**117–118 Senior Seminar**

Goethe, Austen, Bernard, Hegel, Flaubert, Marx, Dostoevski, Kierkegaard, Melville, Twain, Tolstoi, Nietzsche, William James, Freud, Proust, Joyce, Heidegger, and a selection of modern authors.

**196 Senior Essay (.25)**

The writing and defense of an essay under the direction of a tutor chosen by the student. This course is directed by the leader of the Senior Seminar.

**TUTORIALS**

**31–32 Freshman Mathematics**

The Elements of Euclid, the Timaeus, introduction to the Almagest of Ptolemy.

**133–134 Sophomore Mathematics**

The Almagest, the Conic Sections of Apollonius, selections from On the Revolutions of Copernicus and the Epitome of Kepler.

**135–136 Junior Mathematics**

The Geometry of Descartes, Principia Mathematica of Newton, an introduction to calculus.

**137–138 Senior Mathematics**

The Theory of Parallels of Lobachevski, the Essays on Numbers of Dedekind, and Relativity by Einstein.

**51–52 Freshman Language**

Grammar and expression: introduction to Greek vocabulary, morphology and syntax, the nature and function of parts of speech, phrases and clauses. Thought and the author's language: exercises taken from Herodotus, Plato, Sophocles, Thucycides, the New Testament, Aristotle, Euripides and Sappho.

**53–54 Sophomore Language**

Logic and dialectic: analysis and translation of Greek authors, with emphasis on dialectical investigation in the Phaedo, the Theaetetus, the Sophist, the Phaedrus and Prior Analytics.

**155–156 Junior Language**

English and American poetry and rhetoric. Close reading and discussion of a comedy, a tragedy and a romance of Shakespeare, poems of Wordsworth, Keats, Dickinson, Stevens, Yeats; the political rhetoric in Jefferson, Lincoln and Martin Luther King, Jr.; works on prejudice by Melville, Hawthorne, Douglass and O'Connor.

**157–158 Senior Language**

Dialectic ancient and modern: caution on its limits, the Philebus and Parmenides, Aristotle's *Ethics* and *Metaphysics*, Aquinas' *On the Principles of Nature* and *On Being and Essence*, Kant's *Critique of Pure Reason* and Hegel's *Phenomenology and Logic*.

**71–72 Freshman Laboratory**

Observation, description and measurement in optics, astronomy, statics and acoustics. Field and laboratory study of plants and birds. Readings: Aristotle, Galen, Archimedes, Euclid and Ptolemy. *Fee: \$75 per term.*

**74 Music I**

Introduction to basic terminology, notation, diatonic scale, rhythm and chords. Reading of early texts on music and group participation in making music. *Fee: \$75.*

**174 Music II**

An optional extension to the Music I class for more careful treatment of theory and performance. This course is not required for the degree.

**Integral 178 Junior Laboratory**

Junior Laboratory combines readings and discussion with practical experiments. It is the examination of first principles of physics and chemistry. Readings range from Galileo, Black, Lavoisier, Dalton, Thompson, Gay Lussac, Avogadro, Cannizzaro, Berzelius, Faraday, Mendeleev, and others, concluding with a look at quantum theory. Course replaces **Integral 175**. *Fee: \$75.*

**Integral 179 Senior Laboratory**

Senior Laboratory focuses on the biological, beginning with Darwin and moving to heredity and genetics with Mendel, Sutton, Morgan, Wilson, Dawkins, Ruse and others. Course replaces **Integral 176**. *Fee: \$75.*

## INTERNATIONAL AREA STUDIES

The international area studies (IAS) major is designed for students preparing for an increasingly global environment through the multidisciplinary study of a world region. The course of study integrates several academic disciplines, language proficiency, cultural literacy, independent research, and residential experience abroad.

The IAS major is geared toward students who want to focus their major program of study on a geographical regional interest 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 a selected world region from multiple academic perspectives. The IAS major requires maturity and a sense of adventure and is designed for those who appreciate and look forward to living in a larger, more globalized world.

This is a highly individualized program, aimed both at satisfying students' interests and at preparing them for positions requiring a strong international background. Students work closely with a faculty advisor throughout their program who help them organize the details of their personalized program.

### FACULTY ADVISORY BOARD

María Luisa Ruiz, Ph.D., *Modern Languages, Director*

Ronald Ahnen, Ph.D., *Politics*

Roy Allen, *Economics*

Jennifer Heung, Ph.D., *Anthropology*

Helga Lénárt-Cheng, Ph.D., *Modern Languages*

Alvaro Ramirez, Ph.D., *Modern Languages*

Aeleah Soine, Ph.D., *History*

E. Elena Songster, Ph.D., *History*

### LEARNING OUTCOMES

*Graduates of the International Area Studies Program will demonstrate:*

- **APPRECIATION** of 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.

### MAJOR REQUIREMENTS

#### REGION SELECTION

Students select a region of the world in which they have a particular interest and will concentrate their studies. Four choices are available: East Asia, Europe, Latin America, and a student defined region such as Africa that is selected by the student with the approval of the Director of International Area Studies.

### LOWER DIVISION

*Students must complete the following five courses:*

**Anthropology 1: Introduction to Social and Cultural Anthropology**

**Economics 3: Principles of Micro-Economics**

**Economics 4: Principles of Macro-Economics**

**History 2: World History**

**Politics 1: Introduction to Comparative Politics**

### UPPER DIVISION

*Students must complete the following six courses:*

**IAS 100 Cultural Geography and Global Societies**

**IAS 196 Independent Study–Senior Thesis**

One each from the following four disciplines according to regional concentration:

	East Asia	Europe	Latin America
<b>Anthropology</b>	ANTH 121: China	ANTH 121: Europe	ANTH 121: Central America or Latin America
<b>History</b>	HIST 160, 161, 162	HIST 110, 115, 116, 117	HIST 150, 151, 152, 153, 154
<b>Literature and Art</b>	<i>check with Director for appropriate courses</i>	ENG 103, 104, 144, 160, 161; FREN 121, 122, 123; SPAN 120, 121, 122, 127, 160 or MODL 187; MODL 186	SPAN 140, 141, 143, 145; MODL 188, 189
<b>Politics</b>	POL 144	POL 146	POL 145

Note: Students must take ANTH 121 when the content is on their region.

## Curriculum International Area Studies

### DEPARTMENTAL CONCENTRATION

In addition to the above courses, IAS majors must complete the requirements of a minor area of study chosen from anthropology, economics, history, modern languages or politics. The choice of minor provides a key focus for the student and aids in their preparation for the senior thesis, which generally is written in that field. In addition, students often pursue a graduate degree in their minor field.

### LANGUAGE

Students must complete the equivalent of level four (4) semesters in a foreign language appropriate to the region they select. Language study should correspond with the country where students wish to spend their study abroad.

### STUDY ABROAD

Study abroad is a vital component to the IAS major and provides students with an important experience that allows them to truly understand the cultural complexities and lived experiences of their chosen region. The interdisciplinary and language courses taken by students will prepare them for exceptionally enriching cultural experiences. A student's choice of country should correspond with their language study. Majors are strongly encouraged to spend a minimum of one semester studying abroad in their selected region during their junior year. While abroad, students pursue a research project selected in consultation with their advisor that will help form the basis for the senior thesis.

### SENIORTHESIS

On their return, students complete a thesis based on their research project as a one credit independent study course (196). Students write their thesis under the supervision of an advisor selected from the IAS faculty governing board of their minor discipline or another faculty member with approval of the director.

### MINIMUM GPA

A minimum GPA of 3.0 is required for declaring an international area studies major.

### 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.

Others go on to graduate school in international business, international studies, or in their minor field. Most major universities have graduate 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.

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 IAS 100 and IAS 196 for credit toward the major.

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## CORE COURSES

### 100 Cultural Geography and Global Societies

This course exposes students to the breadth and excitement of the field of geography. Cultural geography studies the ways people shape and give meaning to their environment and allows us to look at the fascinating variety of human activity in the world—the human landscape. Geographic knowledge is vital to understanding national and international issues that dominate daily news reports. This course examines the relevance of geographic methods and concepts to social science topics such as agricultural patterns and practices, architecture, ethnic traditions and conflicts, gender, health, migration, population, political economy, poverty, religion, resource utilization, social change and urban planning. *Prerequisite: Anthropology 1. This course may only be completed at Saint Mary's College.*

### 196 Independent Study: Senior Thesis

As a culmination of their studies, students are required to work independently with a faculty member to complete a senior thesis. The thesis should display a student's ability to conduct independent research, and to write and think critically about salient issues related to their chosen minor and region. Sponsorship by an IAS faculty advisory board member (associated with the student's minor) and approval by the program director is required. This course should be taken in the senior year. *This course may only be completed at Saint Mary's College.*



## JANUARY TERM

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The faculty of January 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. Each January Term is organized around a central theme, chosen by the community, and faculty forward a new curriculum composed of content and approaches designed to stimulate the imagination and experiment with both subject matter and technique.

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.

### JANUARY TERM COMMITTEE

Susan F. Fallis, *Communication, Director*

Carla Bossard, *Biology*

Robert Bulman, *Sociology*

Paul Giurlanda, *Theology & Religious Studies*

Asbjorn Moseidjord, *Economics*

Thomas Poundstone, *Theology and Religious Studies*

Denise Witzig, *Women's & Gender Studies*

Julia Odom, *Registrar*

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### SAMPLE COURSES

*(actual courses vary every year)*

#### ON CAMPUS:

#### **JAN 020 Precious Watersheds**

*(designated as a service-learning course)*

Water is essential for life. Civilization is dependent on having sufficient quantities of high quality water. Waterfalls and rushing rivers impart sensations of enjoyment and fulfill our spirits. Water is used in formal spiritual ceremonies, and thus is also a cultural necessity. Yet, water can also be evaluated as a critical commodity for economic sustainability. In California, the war over water rights led to a stronger national environmental movement with the landmark case to preserve Mono Lake. This course will focus on what our individual and societal responsibilities are with respect to maintaining watersheds. The readings will set up a foundation for discussion and classroom activities. The curriculum will be organized so students can gain some level of expertise and then utilize their skills to inform others. The weekly planned field trip will require an additional afternoon time commitment and will be set on Thursday afternoons (including the first week of Jan term). This is in addition to the treks during class to our on-campus seasonal wetland, the Saint Mary's College Swamp (formerly Lake La Salle). The service learning component of this class will have three parts: 1) creating some media materials for a community/civic organization and documenting this task; 2) planning educational materials for the web resource; and 3) performing educational outreach work. A team presentation on a specific issue will occur in the last week as a part of the web materials aspect of the course.

### JAN 035 **If You Cross the Border, What is the Law Which Governs Your Conduct? – A Neophyte’s Look at Public and Private International Law**

“The world is flat,” says New York Times columnist Thomas Friedman. Maybe, but countries still have borders. Borders represent the jealous protection of the customs, mores, religion, and laws of each country’s peoples. Crossing borders invites a duty of respect and compliance. But in this globalized world, whose law applies to exchanges among this family of nations or to citizens in transit or to international commercial transactions?

Concepts such as “crimes against humanity” were used post-World War Two to prosecute Nazi leaders and the war leaders of Japan. Who had the authority to make such laws, especially after the wrongful acts had already been committed? Who has the power to prosecute Balkan Serb leaders for their acts against indigenous Muslims and again in the prosecution of the tyrants of Rwanda.

The United Nations, the European Economic Union, NATO, the World Trade Organization and the like come about following the principles of public international law—the stuff of diplomats. But what about the alleged environmental wrong doings of Texaco in Ecuador? Should Chevron, who purchased Texaco after the alleged spills, be liable? To whom? Who should decide... Ecuador courts or U. S. courts?

Nation-to-nation public international law has a long history from which certain principles have become accepted practice. The same is not true for law governing conduct of individuals or trans-national commercial activities. This course introduces participants to the fascinating and complex world of public and private international law, the glue which brings certainty to the cross-border activities of globalization.

### JAN 057 **Borders and Blue Shirts**

Offering perspectives from a remarkable variety of guests—including prosecutors, defense lawyers, a former warden of San Quentin State Prison, a retired prison guard, a correctional educational counselor, a parole officer and a convicted felon—this course engages the California prison system in an objective study and directs students to imagine and design a system that critically addresses the many challenges endemic to the current correctional system.

### JAN 120 **Nightmare Futures**

*(designated as a social justice course)*

*“I don’t try to describe the future. I try to prevent it.”*

– Ray Bradbury

Since time immemorial people must have been dreaming of the ideal and just society—or even simply the better society. In 1516 an Englishman named Thomas More gave a name to this vision of an ideal or just society—“Utopia”—and the name stuck. In Greek Utopia means “No-Place” and, by virtue of a pun, “Good-Place.” It was left to the twentieth century to translate utopian principles into reality in a really grand way and then to discover their unintended consequences. As Tom Wolfe has observed, the twentieth century was the great age of utopian impulses, with one utopian scheme after another being attempted, each one trying to “go back to zero,” to begin again, and to remake humankind. Our central concern will be the literary response to the twentieth century’s Utopian urge.

Science fiction works by projecting trends into the future or imagining possibilities realized in the future. But that part of science fiction that is called dystopian follows Bradbury’s formula. Dystopias are “Bad-Places,” bad futures that seem to be implied by current trends. Anti-Utopias, a subset of Dystopias, are utopias which turn out to be, in practice, “Bad-Places,” the evil and oppressive consequences of someone else’s utopian dream. We will begin with Sir/St. Thomas More’s original, Utopia, and then examine 20th-century responses to the utopian impulse. We will also consider the utopian aspirations of modern totalitarian movements, from the Bolsheviks to the Khmer Rouge.

**JAN 147 The Copernican Revolution and the Galileo Affair**

This course is a multi-disciplinary investigation into two closely related historical episodes: the triumph of Copernicus's heliocentric system, and the famous trial and condemnation of Galileo. The "Galileo affair" is one of the most symbolic and hotly contested episodes in history, and debates about its proper interpretation continue today. This is the case not just because it is the poster child for conflict between religion and science, but also because of the challenging questions about scientific development that the Copernican revolution raises. The class will start with an intensive survey of astronomical and cosmological theories leading up to and including Copernicus. We will read extensively from Galileo's astronomical treatises, from the documents relating to his trial, and from various writers seeking to establish what happened and what lessons the affair holds. Along the way we will reflect on the relationship between faith and reason, authority and inquiry, religion and science, and try to understand more fully the process of scientific development and intellectual revolution. The course is intensive and the reading load is significant. Classes will vary between lecture, group work, and seminar discussions. A central project of the class will be the preparation, and carrying out, of an in-class debate, in which students articulate and defend positions on behalf of Galileo or his accusers. There will be two major written assignments: an interpretative, text-based paper and a final research paper, in which each student will analyze a contemporary argument or position responding to the Galileo affair.

**TRAVEL**

**JAN 170 SMC Kilimanjaro: Crossing Tanzania**

*(designated as a social justice and a service-learning course)*  
Using a Problem-Posing Documentary Studies approach, students will produce multimedia projects while they also perform development work in under-resourced communities of Tanzania. Students will cover five specific areas of study: 1) Documentary Studies, 2) Problem-Posing Pedagogy, 3) Multimedia Production, 4) Aid and Development, and 5) elementary Swahili language. We will participate in low-level construction projects as well as water and sanitation work in outlying areas. Along with the academic content of the course come other direct responsibilities, including daily chores to maintain our mobile development unit, team responsibilities, and health and nutrition work with our own group and with children in our host country. In addition to our development work, we will take a group excursion in the form of a three-day safari in the Serengeti and the Ngorongoro Crater.

**JAN 171 Crops, Cash, and Crossing Borders: Food Justice in Nicaragua**

*(designated as a social justice and a service-learning course)*  
We all need food to survive, but in a world dependent on an increasingly globalized food system, most of us are alienated from the food we consume. This course will examine the impact of our global food system by exploring the struggle for food justice and sovereignty in Nicaragua. As the second-poorest country in the Western hemisphere, Nicaragua has endured many difficulties and upheavals, including foreign intervention, revolution, and devastating natural disasters. We will explore the history of Nicaragua, looking in particular at its relationship with the United States, as well as the role of this relationship on food issues in Nicaragua. From there, we will examine current food justice principles and practices in Nicaragua, especially in relation to the local-global tension between self-sufficient food production and the production of "cash crops" like coffee and cocoa. In order to gain a more thorough understanding of these issues, students will spend several days living with rural farmers and their families as we help in the coffee harvest, and we'll get a crash course in organic farming on the bird-friendly Gaia Estate. We will also learn how chocolate is made, hear from survivors of pesticide poisoning in the banana trade, and tour socially responsible sugar and dried fruit factories. Our adventure will even include visiting a famous volcano and time on a gorgeous beach relaxing and reflecting on our experiences. Embodying the Jan Term theme of "crossing borders" in numerous ways, this course will change the way you see the world!

## KINESIOLOGY

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### FACULTY

Steve Miller, Ph.D., *Associate Professor, Chair*  
James Barber, M.S., *Lecturer*  
Jeff Bernard, Ph.D., *Lecturer*  
Rebecca Concepcion, Ph.D., *Associate Professor*  
James Farris, M.S., *Lecturer*  
Sue Johannessen, M.A., *Lecturer*  
Craig Johnson, Ph.D., *Associate Professor,*  
*Graduate Program Director*  
Deane Lamont, Ph.D., *Professor*  
William Manning, M.A., *Lecturer, Graduate*  
*Program Coordinator*  
Derek Marks, Ph.D., *Associate Professor*  
Debra Pace, Ph.D., *Lecturer*  
Megan Toma, Ph.D., *ATC, Lecturer*  
Claire Williams, Ph.D., *Assistant 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 a bachelor of arts degree. The major is designed for students with interests in the field of human movement. 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 or health and human performance. 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.

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

### SPORT AND RECREATION MANAGEMENT

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

Kinesiology 2, three different Kinesiology activity classes (in addition to Kinesiology 2), Kinesiology 10, 12, 15, 20, Accounting 1, Economics 3.

#### UPPER DIVISION

Kinesiology 105, 108, 111, 112, 114  
Business Administration 120, 124, 131

### HEALTH AND HUMAN PERFORMANCE

This is an individualized course of study constructed to meet the needs of students with varied career and graduate school goals, e.g., sports medicine, exercise physiology, health education or community health. The interdisciplinary coursework is designed in consultation with a faculty advisor to meet the individual interests of the student.

Students in the health and human performance track are required to complete the following coursework:

#### LOWER DIVISION

Kinesiology 10, 15  
Biology 10/11, 13/14, 25/26, and Chemistry 2/3

#### UPPER DIVISION

Kinesiology 110, 110L, and one of the following:  
Kinesiology 106, 111, 112 or 114

A minimum of seven additional upper-division courses are required. These courses are selected from the offerings of the Department of Kinesiology and those of other academic units such as: anthropology, sociology, biology, chemistry, communication, physics and psychology. These classes should be relevant to the health and human performance emphasis. Coursework samples are available from the Department of Kinesiology.

**MINOR REQUIREMENTS**

There are three areas of study that lead to a kinesiology minor:

**SPORT & RECREATION MANAGEMENT EMPHASIS**

Kinesiology 10, 15, 20, 105, 108, 111 and 114

**ATHLETIC TRAINING EMPHASIS**

Kinesiology 10, 15, 102, 109, 110, 112 and 119

**HEALTH EDUCATION EMPHASIS**

Kinesiology 10, 12, 107, 109, 110, 115 and 118

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**C O U R S E S****LOWER DIVISION ACTIVITY COURSES****2 First Aid and CPR (.25)**

The study and practice of first aid and cardiac pulmonary resuscitation (CPR) methods and techniques. The course provides certification in American Red Cross Standard First Aid and CPR.

**4–8 Activity Courses (.25)**

The Department of Kinesiology offers a broad range of exercise and sport classes. Course content is directed toward developing in students: 1) a knowledge base relative to personal health that will encourage regular and safe exercise over the lifespan, and 2) the requisite motor skills to enable enjoyable participation in various sport modes.

**4 Aquatics**

Instruction and participation in activities such as lifesaving, swimming, and water polo.

**5 Dance**

Instruction and participation in various dance forms: ballet, jazz, modern, tap and ballet.

**6 Individual/Dual Activities**

Instruction and participation in activities such as archery, badminton, golf, personal defense and tennis.

**7 Team Activities**

Instruction and participation in activities such as basketball, softball, indoor soccer, outdoor soccer and volleyball.

**8 Fitness Activities**

Instruction and participation in activities such as aerobics, body conditioning, fitness walking, circuit training and weight training.

**LOWER DIVISION ACADEMIC COURSES****10 Introduction to Kinesiology**

Introduces students to the academic field of study that is Kinesiology. Examines the historical events, philosophical positions and sociological theories that concern the human being in motion. Particular attention is devoted to the cultural place of the corporeal actions known as play, game, sport, athletics, and exercise. Students investigate American health behaviors (especially physical activity and food decisions) and how they relate to major U.S. public health issues. The fundamentals of exercise science and sport management are introduced and the emerging field of health promotion is considered. Each student writes and presents a term paper on an exercise related public health topic. Students are familiarized with the field's main subdisciplines, their major research themes, and current career opportunities in Kinesiology and the allied medical field.

**12 Fitness and Health Education**

Examines the principles of physical fitness and components of personal health. The body's response and adaptation to regular exercise will be discussed; programs will then be designed to improve cardio-respiratory endurance, muscular fitness, flexibility, body composition and low back health. Key topics in personal health will include: nutrition and weight management, stress, substance abuse, sexually transmitted diseases, aging, and personal safety.

**15 Measurement and Evaluation in Kinesiology**

An introductory survey of tests and measurement techniques utilized in the field's subdisciplines. This course provides students the opportunity to consider fundamental research questions in Kinesiology and explore issues related to evaluation. Investigation into the field's research literature including an analysis of the research methods and statistical tests used is a major focus of the course.  
*Prerequisite: Kinesiology 10.*

**20 Introduction to Sport and Recreation Management (formerly Kinesiology 101)**

A survey of key topics associated with sport management during which students will analyze the concepts and methods of administering sport and recreation service organizations. Course components include: a survey of sport management systems in the US, including legislative authorization and controls; strategic management; sport-sales and revenue; sport communication; sport marketing and branding; consumer behavior; and human resource management. This course also includes an integrative, sport management-related field experience.  
*Prerequisites: Kinesiology 10 and 15 — concurrent enrollment in Kinesiology 15 is allowed (or for non-majors, permission of the instructor).*

## Curriculum Kinesiology

### UPPER DIVISION COURSES

The study of human movement from the point of view of the physical sciences. Fundamentals of human motion are examined from the anatomical, physiological and biomechanical perspectives with an emphasis on motor skill application. *Prerequisites: Kinesiology 10 and Biology 13/14 (or for non-majors, permission of the instructor).*

#### 103 Physical Education in the Elementary School

A study of the theoretical basis for designing movement experiences for children of elementary-school age. Special emphasis on recent trends in movement dealing with the elementary-school child. *Satisfies Montessori Program requirements.*

#### 105 Facility and Event Management

A study of the organization and supervision of recreation facilities as well as the concepts and methods of planning/producing sporting events. Course components include: facility operations and management, policies and procedures, budgeting, staffing, event planning/management, crowd control and security, programming/scheduling, maintenance, and risk management. Trends influencing the design and operations of sport facilities will be discussed. *Prerequisites: Kinesiology 10, 15, and 20 (or for non-majors, permission of the instructor).*

#### 106 Women in Sport

This course will analyze the relationship between gender and sport from multiple perspectives. Emphasis will be placed on exploring the changing roles in sports for women, as well as how past and current beliefs regarding gender equity, health, and women's role in society shape the experiences of women in sports in our society today. Topics will include: the history of women in sport, structural constraints facing women in sport, race and ethnicity, women's health issues, sexuality and homophobia as they pertain to sport, the role of the media, the sporting body, Title IX and career opportunities for women, and the future of sports for women in our society. *Prerequisite: Kinesiology 10 (or for non-majors, permission of the instructor).*

#### 107 Nutrition for Sport and Physical Activity

Integrates the scientific foundations of nutrition and exercise. Special topics include optimizing wellness, physical fitness and performance through diet, the use of ergogenic aids, weight loss and gain techniques, eating disorders and sport-specific nutrition planning. *Prerequisite: Kinesiology 10 (or for non-majors, permission of the instructor).*

#### 108 Legal and Administrative Issues

Provides each student with a broad analysis of the United States' legal system and to the major cases and laws that make up the legal aspects of sport, recreation, and physical activity. Particular attention will be paid to proactive risk management strategies for teachers, coaches, and administrators that will minimize their organizations' legal liability. Topics include: an overview of the legal system, negligence, intentional torts, risk management, contracts, constitutional law, and intellectual property law. *Prerequisites: Kinesiology 10, 15, and 20 (or for non-majors, permission of the instructor).*

#### 109 Care and Prevention of Athletic Injuries

Provides students with a broad foundation of sports medicine concepts. While the focus is on injury prevention, students will develop a greater understanding of the terminology and concepts related to acute injury recognition and the care, evaluation and treatment of common sport and fitness related injuries/conditions. Administration concepts will also be covered. Students will learn to demonstrate various taping applications and practice clinical skills. Students must complete observation hours with local certified athletic trainers. *Prerequisites: Kinesiology 10 and 15 (or for non-majors, permission of the instructor), Biology 13/14.*

#### 110 Exercise Physiology

A study of physiological parameters and mechanisms that determine the adaptations of the physiological systems of humans in response to exercise; e.g., exercise metabolism, work and fatigue; development of strength and flexibility; cardiorespiratory effects of exercise and training; sport activity in extreme environmental conditions—high altitudes, heat, cold; measurement of factors determining sport fitness. *Prerequisites: Kinesiology 10 and 15 (or for non-majors, permission of the instructor), Biology 25/26.*

#### 110L Exercise Physiology Laboratory

Laboratory to accompany KINES 110 Exercise Physiology. One lab per week for two hours. Must be concurrently enrolled in KINES 110. *Lab fee \$100.*

#### 111 History of Health, Sport and Exercise

Examines the sportive and exercise cultures of selected past societies. We begin by exploring the place of sport and exercise in ancient Sumer, Egypt, Mesoamerica, and (in more depth) Greece and Rome. During the second half of the semester the focus is on sporting experiences in North America. Our investigations center on physical activity among native Americans and early colonists and during the revolutionary and antebellum periods; the rise of rationalized sport during the Gilded Age and Progressive Era, the arrival of the so called Golden Age of Sport, and the intersections between sport, the mass media, and the Civil Rights Movement. We close with a brief history and analysis of athletics at Saint Mary's College of California. *Prerequisites: Kinesiology 10 and 15 (or for non-majors, permission of the instructor).*



**112 Sport and Exercise Psychology**

Examines contemporary psychological principles as they apply to the domains of sport and exercise. The course seeks to utilize relevant theories and empirical research in psychology, education, and allied health fields in order to inform best practices in sport and exercises as they related to motivation, leadership, group dynamics, performance enhancement, health and well-being, moral and social development, and career transitioning. *Prerequisites: Kinesiology 10 and 15 (or for non-majors, permission of the instructor).*

**114 Sociology of Sport and Physical Activity**

Examines the contemporary issues in sport and physical activity from a sociological perspective. Students will explore current sociological theories/paradigms, research techniques and analyze empirical research in sociology, education and related fields while focusing on the social and cultural structures, patterns and organizations associated with sport. Topics include the in-depth study of sport as it relates to: the socialization process, racial and gender equity, upward social mobility, politics, economics, and our educational system in North America. *Prerequisites: Kinesiology 10 and 15 (or for non-majors, permission of the instructor).*

**115 Fitness Assessment and Exercise Prescription**

A course of study that covers laboratory and field tests used to assess physical fitness components as well as principles of exercise prescription. Test results are used to develop individualized exercise prescriptions to improve cardiorespiratory fitness, muscular fitness, body weight and body composition, flexibility and stress levels. Creation of a comprehensive fitness assessment binder and participation in the GaelFit program are included, along with instruction on health screening, cardiovascular, muscular and flexibility assessment and program design. This course includes a weekly two-hour lab in addition to the three hours of lecture. *Prerequisite: Kinesiology 110/110L.*

**115L Fitness Assessment and Exercise Prescription Laboratory**

Laboratory to accompany KINES 115 Fitness Assessment and Exercise Prescription. One lab per week for two hours. Must be concurrently enrolled in KINES 115. *Lab fee \$75.*

**117 Human Motor Performance**

A neurophysical approach to understanding the sensory and perceptual mechanisms that allow for efficient physical activity. An examination of various factors that affect human development, motor performance and motor learning (motor development, timing, practice, transfer, etc.). *Prerequisites: Kinesiology 10 and 15 (or for non-majors, permission of the instructor).*

**118 Issues in Community Health**

Investigates the history, concepts and institutions that constitute the field of community health and community organizing. The demographic, socio-economic and epidemiological conditions of urban and rural regions are examined as well as the processes by which communities and organizations work together to identify common problems and objectives, acquire and mobilize resources, and create and implement actions to achieve their goals. Student will gain field experience with community-based organizations and develop practical skills to promote community health issues. *Prerequisites: Kinesiology 10 and 15 (or for non-majors, permission of the instructor).*

**119 Therapeutic Exercise and Physical Therapy Modalities**

Studies concepts and current methods of rehabilitation in sports medicine. Concepts include: flexibility, muscular strength and endurance, plyometrics, closed-kinetic chain exercise and functional progression in rehabilitation. Further topics include uses of cryotherapy, hydrotherapy, thermal agents, electrical agents and mechanical agents. A problem-solving approach to their uses is central to the course. The class visits local physical therapy clinics. *Prerequisites: Biology 13/14; Kinesiology 10, 15 and 109 (or for non-majors, permission of the instructor).*

**195 Internship**

Work practice in the field of sport and recreation management, health promotion, or sports medicine. The internship experience is planned in close consultation with and supervised by a Department of Kinesiology faculty member. *Prerequisites: Kinesiology 10 and 15.*

**197 Special Study**

An independent study or research course for students whose needs are not met by the Department of Kinesiology's regular course offerings. *Permission of instructor and department chair are required. Prerequisites: Kinesiology 10 and 15.*

**199 Special Study – Honors**

An independent study or research course for upper-division majors with a B average or better. *Permission of instructor and department chair are required. Prerequisites: Kinesiology 10 and 15.*

## **LIBERAL AND CIVIC STUDIES PROGRAM**

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Students in the Liberal and Civic Studies (L&CS) Program take five L&CS core courses. All other courses required for this program are offered by other academic departments of the College.

The L&CS Program is a broad integrative course of study that seeks the education of the whole person. In addition to traditional academic goals, the program emphasizes critical inquiry, civic and environmental responsibility, cultural awareness, ethical values, active citizenship, and self-assessment. Academics, social issues, and the arts, are integrated through coursework and service-learning experiences.

As an interdisciplinary program, L&CS fosters the development of a disciplined mind, one that honors the great ideas of the past, examines new ideas across disciplines, and strives to understand the important issues of our times from multiple perspectives. In support of the Lasallian mission of Saint Mary's College, L&CS also promotes compassionate understanding of others and a sense of community that bridges diverse cultures and transcends national boundaries. The L&CS faculty and Advisory Board believes that this program is particularly conducive to the development of well-educated individuals who are uniquely prepared to take on the role of responsible active citizenship in a democracy.

The three guiding principles of the L&CS Program are breadth, depth and integration. Breadth is provided through a balance of required and optional courses in the humanities, social sciences, natural sciences, mathematics, language, and kinesiology; depth is provided through a chosen minor/concentration in one of Saint Mary's departmental disciplines; integration is provided through the nine key courses required of all L&CS students: four Collegiate Seminar courses and five L&CS courses (Culture and Civic Responsibility, Environmental Responsibility in a Global Community, Modern Global Issues, Senior Capstone I (Democracy and Active Citizenship or Education, Democracy and Active Citizenship, and Senior Capstone II (Self-Assessment and Portfolio).

To fulfill its mission, the L&CS Program offers three academic tracks, which are described below.

### **FACULTY**

**Linda Saulsby, M.A.**, *Director of Liberal & Civic Studies Program*  
**Deepak Sawhney, Ph.D.**, *Associate Professor*  
**Monica Fitzgerald, Ph.D.**, *Assistant Professor*  
**Rashaan Meneses, M.F.A.**, *Adjunct Assistant Professor*  
**Mindy LeVu Ware, M.A., J.D.**, *Lecturer*

### **CIVIC TRACK**

This four-year track is for undergraduate students who are interested in a broad and general liberal arts program. The civic track in the Liberal and Civic Studies Program is an excellent choice for students who wish to pursue a creative and rigorous program of interdisciplinary studies as preparation for a future career in law, social work, public service, counseling, communications, business or for future academic work at the graduate level.

### **EDUCATION TRACK**

The education track is a four-year program designed for students who wish to become elementary teachers. The students in this track are provided with knowledge in a variety of disciplines to support their subject matter preparation and completion of the CSET (California Subject Examinations for Teachers). At the end of the four years, students earn a B. A. in Liberal and Civic Studies and continue their preparation for teaching by entering a credential program of their choice.

### **TEACHERS FORTOMORROW**

Incoming freshman students and qualifying sophomores who are committed to becoming elementary teachers, may apply for the Teachers for Tomorrow (TFT) Program. This special program enables students to integrate education coursework and field experiences in elementary schools with their undergraduate course of study. Students proceed through the TFT Program as cohort groups, taking many of their courses and having all of their field experiences with other members of their cohort.

TFT students fulfill most of the same requirements as students of the L&CS Program civic and education tracks; additional courses in education and field experiences replace some of the elective courses they might normally take. They earn their bachelor's degree at the end of four years and their multiple-subject credential at the end of their fifth year. Students may also pursue a Masters of Arts in Teaching (MAT) degree in their fifth year at Saint Mary's by fulfilling additional coursework and research components. To be admitted to the program, incoming freshman students must demonstrate a strong academic record in high school, including at least three years of successful study of a single foreign language. Sophomores applying to the TFT Program must also demonstrate a strong academic record in their undergraduate work and the ability to complete program requirements within the normal graduation time frame. Students are encouraged to complete foreign language requirements before admission.

Prospective students must apply separately to the TFT Program. Applications can be obtained by contacting the Liberal and Civic Studies Program office or online at [www.stmarys-ca.edu/liberal-civic-studies](http://www.stmarys-ca.edu/liberal-civic-studies).

### ADVISORY BOARD OF THE LIBERAL & CIVIC STUDIES PROGRAM

Linda Saulsby, *Director, Liberal and Civic Studies*

Monica Fitzgerald, *Liberal and Civic Studies*

Jenny Maquire, *Education*

Rashaan Meneses, *Liberal & Civic Studies*

Kathy Perez, *Education*

Deepak Sawhney, *Liberal & Civic Studies*

Frances Sweeney, *Modern Languages*

Ted Tsukahara, *Integral Studies*

Marshall Welch, *Catholic Institute for Lasallian Studies*

Claire Williams, *Kinesology*

### LEARNING GOALS

*Upon successfully completing the L&CS Program, students will be able to:*

1. Engage in critical thinking through reading, writing, discussion, and service that synthesizes empirical and theoretical knowledge through breadth, depth, and integration of studies.
2. Examine and address the social justice issues confronting our world through rigorous coursework and community engagement, and consider individual and collective responsibility for the common good.
3. Articulate ideas and examine assumptions about faith, race, class, gender, sexuality, and other dimensions of diversity and difference.
4. Demonstrate, through written and oral self-assessment and reflection, an understanding of the impact of their own academic learning experiences.

### MAJOR REQUIREMENTS

L&CS 121 Culture and Civic Responsibility

L&CS 122 Environmental Responsibility  
in a Global Community

L&CS 123 Modern Global Issues

Senior Capstone I Democracy and Active Citizenship  
or Education, Democracy and Active Citizenship

Senior Capstone II Assessment and Portfolio (.50 credit)

In the depth and breadth requirements listed below, specific course requirements may vary by the specific L&CS academic track. Substitutions to the L&CS-recommended course schedule are made with the approval of the L&CS academic advisor and the program director.

**English:** English 4, 5

**Religious Studies:** TRS 097 and one upper-division course.

**January Term:** A January Term course is required of all students for each academic year in attendance at Saint Mary's College. During one January Term, students preparing to be elementary teachers are required to take Field Experience in Education. *Prerequisite:* L&CS 121.

**Fine or Performing Arts:** One course in the history, theory, philosophy or aesthetics of art, drama, dance or music; one studio production or presentation course (may be for .25 credit or more).

**Foreign Language:** Students are required to complete sufficient college level courses in a language other than English to achieve demonstrable intermediate-level competency (equivalent to four terms of college level work). Students with native ability in a language other than English may have this requirement waived by demonstrating oral, written and reading skills equivalent to at least intermediate college-level work (four completed terms).

**Kinesiology:** One full-credit course. Education and TFT track students take **Kinesiology 103:** Physical Education in the Elementary School.

**History:** Any full-credit course. Students preparing to be elementary teachers take United States history.

**Life Science:** One course and lab. Students preparing to be elementary teachers take **Biology 50–51:** General Biology & Lab.

**Mathematics:** Two courses in mathematics or computer science. Students preparing to be elementary teachers take **Mathematics 1 and 101, or Mathematics 27 and 101, or Mathematics 27 and 28, or Mathematics 27 and 38.**

**Physical Science:** One course and lab.

**Psychology:** **Psychology 1** and an upper-division psychology class. Education track students take **Psychology 140 or Education 144.** TFT students are required to take **Education 144.**

### MINOR

Students select a minor from established departmental minors or approved interdisciplinary minors. All L&CS students must complete a minimum of four one-credit upper-division courses in their minor even if the department requires fewer than four. Whenever possible, the minor must include a course with a multicultural or global focus.

Students should plan their minor with the assistance of their L&CS academic advisor.

For more information on the Liberal & Civic Studies Program, please see our website at:  
[stmarys-ca.edu/liberal-civic-studies](http://stmarys-ca.edu/liberal-civic-studies)

### PREREQUISITE GRADE

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

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### C O U R S E S

#### 021 Culture and Civic Responsibility

This course introduces students to program themes, including diversity (issues of race, class and gender), the environment, democracy, the arts and service learning. Lectures and discussions are complimented by a cultural workshop, a visit to Glide Memorial Church and attendance at art events. Students are required to devote time each week to a service-learning project, write essays, intellectual integrations and a self-assessment. Class sessions are supplemented by a biweekly activity lab.

*Prerequisites:* English 4, and level 2 of foreign language. Sophomore standing required. Satisfies American Diversity, Community Engagement, and Common Good of the Core Curriculum. Offered in the fall.

#### 122 Environmental Responsibility in a Global Community

Taken the semester immediately following L&CS 021 whenever possible, this course focuses on the natural world in which we live, and the complex interrelationship between human activities, the values which determine these activities and their consequences for the environment. Different societies' belief systems along with their responsibility and attitudes toward the environment are examined. Students are required to devote time each week to a service-learning project, write essays, intellectual integrations and a self-assessment. Class sessions are supplemented by a biweekly activity lab. *Prerequisites:* L&CS 021, English 5, Collegiate Seminar 1. Satisfies Community Engagement and Common Good of the Core Curriculum. Offered in the spring.

#### 123 Modern Global Issues

The purpose of this course is to gain broad-based exposure to some of the cultural, political and economic issues related to and arising from the processes of globalization. Students will study recent critical dialogues and philosophies of globalization, including issues of ethnicity/race, gender, identity, urban culture, post-nationalism, multiculturalism and postcolonial studies. Students are required to participate in class, lead discussions, write essays and news article responses, give an oral presentation and complete a midterm exam. *Prerequisites:* L&CS 021 or permission of instructor. Satisfies Global Perspectives and Common Good of the Core Curriculum. Offered fall and spring.

#### 126 Praxis: Advising (.25)

This advising praxis course is required for all students in the *Teachers for Tomorrow* program. Offered in the fall and spring and meets for eight sessions.

#### 127 Praxis: Community Service (.25)

#### 129 Praxis: REACH Program (.25)

The Praxis courses are a sequence of optional .25-credit courses. Offered every semester, these courses enable students to involve themselves in structured community service, environmental, public policy or education-related fieldwork. In addition to fieldwork, students meet to discuss their experiences and produce a culminating paper or project. These courses may be repeated for credit as content varies. *Satisfies Community Engagement of the Core Curriculum.*

#### 124 Senior Capstone I

**Education, Democracy and Active Citizenship:** This is the capstone course of the Liberal and Civic Studies Program. It involves a careful examination of the assumptions upon which democracy is based and the work of citizen groups who are addressing America's social problems, from education and government to human services, jobs and the media. The course also examines the possible challenges that the current generation will face in the future. Students complete a research project that is designed to integrate L&CS core courses with service-learning work, and culminates in a formal paper and group presentation to the SMC community. This course has a biweekly activity lab. *Prerequisites:* L&CS 123

#### 130 Senior Capstone II (.50)

Students take this course in the semester immediately after Senior Capstone I. The course, which consists of eight sessions, assists students in preparing their academic portfolios and themselves for their assessment interview, which occurs in the latter part of the semester. *Prerequisites:* Senior Capstone I

#### 192 Text-Based Discussion in the Middle School Classroom (.25)

This field-based course trains and gives students hands-on experience in facilitating seminar-style, text-based discussion groups for children. After introductory training workshops, students will lead such discussion groups on-site in a middle-school classroom. Students will learn about and practice an educational style that develops critical skills, speaking, reading, and thinking in open discussion. This course is required of all Teachers for Tomorrow students. Education track students would benefit from this course, as well. This course must be taken before Senior Capstone II.

## MATHEMATICS AND COMPUTER SCIENCE

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Mathematics is a liberal art fundamental to a true education. It trains students in analytical thinking, and courses are offered with application to the natural and social sciences. Graduates of the department are active in an extraordinarily wide range of careers. The department offers both an arts and a science degree in mathematics, and a degree program with a concentration in computer science.

A minor in mathematics is available.

### FACULTY

Chris Jones, Ph.D., *Associate Professor, Chair*

Michael Allocca, *Assistant Professor*

Charles R. Hamaker, Ph.D., *Professor*

Brother Brendan Kneale, FSC, M.A., M.S.,  
*Associate Professor Emeritus*

Lidia R. Luquet, Ph.D., *Associate Professor*

Michael Nathanson, Ph.D., *Associate Professor*

Weiwei Pan, Ph.D., *Assistant Professor*

Brother Raphael Patton, FSC, Ph.D., *Professor*

Kathryn F. Porter, Ph.D., *Professor*

Jane R. Sangwine-Yager, Ph.D., *Professor Emerita*

Jim Sauerberg, Ph.D., *Professor*

Ellen Veomett, Ph.D., *Assistant Professor*

### REQUIRED UPPER-DIVISION COURSES

#### FOR A B.A. IN MATHEMATICS

A minimum of eight upper-division mathematics courses is required for a mathematics major, including **Math 111–112, Math 120, Math 150** and **Math 193**. **Math 101** may not be included toward the major.

### CONCENTRATION IN COMPUTER SCIENCE

A student wishing to concentrate in computer science must take nine upper-division departmental courses (*excluding Math 101*) including the five listed above, **Math 140, Computer Science 102** and two additional upper-division computer science courses.

### 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

*AA 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 analysis or equivalent). Students fulfill the Area B mathematics requirement of the pre-2012 general education requirements with the courses required for the major or minor.*

### REQUIRED LOWER-DIVISION COURSES

#### FOR A B.A. IN MATHEMATICS

Mathematics 27, 38, 39

Computer Science 21

### BACHELOR OF SCIENCE

A candidate for a Bachelor of Science degree in Mathematics must take in addition either **Physics 1–4** or **Chemistry 8–11**, and two further courses from the following disciplines: biology, chemistry, computer science (*except Computer Science 1*) environmental science, geology and physics.

### SECONDARY TEACHING

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 admission to a credential program. 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 courses to prepare for the CSET while fulfilling the mathematics major.

### LOWER DIVISION

Math 27, 38, 39, Computer Science 21

### UPPER DIVISION

Math 111, 112, 113, 115, 120, 130, 150, 193



## Curriculum Mathematics and Computer Science

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 the course **EDUC 122: Field Experience**, offered in the January Term at SMC. 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.

### SUGGESTED FOUR-YEAR PROGRAM

A suggested four-year program of study for a major in mathematics is available from any department member. First-year students should take **Math 27** and **38** and **CS 21**. Candidates for the Bachelor of Science should enroll in **Physics 1, 2, 3, 4** or **Chemistry 8, 9, 10, 11** in the first year. Failure to take these courses in the first year may make it impossible to complete the major in four years. Students wishing to concentrate in computer science should take both **Computer Science 21** and **102** in the first or second year.

### MINOR REQUIREMENTS

The minor in mathematics requires **Math 27, 28** or **38** (**Math 39** and/or **Math 120** are recommended), and three upper-division courses in mathematics, *excluding* **Math 101**.

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## C O U R S E S

### PREREQUISITE GRADE

*Any course listed in this department with a prerequisite requires a grade of C– or better in the prerequisite course, including the high school courses algebra I, geometry and algebra II which are prerequisites of all mathematics and computer science courses except **Math 2** and **12**.*

### LOWER DIVISION

#### 1 Fundamental Mathematical Concepts I

This course provides prospective elementary teachers with part of the background needed for teaching the content of contemporary elementary mathematics programs. The topics include problem solving, the historical development of major mathematical concepts, sets and functions, rational and irrational numbers and their operations, and number theory. Prerequisites: One year each of high school algebra I, II and geometry or equivalent, and a passing score on the placement exam. *Does not satisfy the Area B mathematics requirement of the pre-2012 general education requirements. Offered every fall.*

#### 2 Mathematics Readiness

This course covers basic algebra and geometry concepts including number systems, polynomials, solving equations and inequalities, graphs, functions, lines, systems of equations, sets and operations, ratios, proportions, measurement and percents. Emphasis will be placed on problem solving, critical thinking and mathematical reasoning. Prerequisites: *One year each of high school algebra I and geometry. Students who have also completed algebra II with a C– or better should take the Placement Exam before taking this course. Does not satisfy the Area B mathematics requirement of the pre-2012 general education requirements. Offered every semester.*

#### 3 Finite Mathematics

Topics and applications in this course are selected from linear equations and matrices, linear programming, probability, finance, Markov chains, game theory and graphs. The emphasis is on applications to business and management sciences. Prerequisites: *One year each of high school algebra I, II and geometry or equivalent and a passing score on the placement exam. Seniors are not permitted to enroll in this course. Offered every semester. Satisfies Mathematical Understanding of the Core Curriculum.*

#### 4 Introduction to Probability and Statistics

This course covers the study of combinations and permutations, descriptive and inferential statistics, probability and probability distributions, hypothesis testing, regression and correlation, along with applications in a variety of practical settings. This course may not be taken for credit in addition to **Business Administration 40** or **Psychology 3**. Prerequisites: *One year each of high school algebra I, II and geometry or equivalent, and a passing score on the placement exam. Offered every semester. Satisfies Mathematical Understanding of the Core Curriculum.*

#### 10 The Art and Practice of Mathematics

A reflective examination of basic mathematical ideas and patterns. Through participation in the discovery and development of mathematical ideas the student will view the subject as a vehicle for human creativity. The course traces the historical and contemporary role of appropriate mathematical topics. Prerequisites: *One year each of high school algebra I, II and geometry; English 5 and Collegiate Seminar 1. Offered every semester. Satisfies Mathematical Understanding of the Core Curriculum.*

#### 12 Mathematics Readiness for Calculus

This course includes the basic study of number systems, linear equations and inequalities, quadratic equations and inequalities, polynomials, rational expressions, radicals, exponentials, functions, inverse functions, logarithmic and exponential functions, angles, triangles, surface area, volume and applications. Emphasis will be placed on problem solving, critical thinking and mathematical reasoning. Prerequisites: *One year each of high school algebra I and geometry. Students who have also completed algebra II with a C– or better should take the placement exam before taking this course. Does not satisfy the Area B mathematics requirement of the pre-2012 general education requirements. Offered in the fall.*



**13–14 Calculus with Elementary Functions I, II**

A survey of polynomial, trigonometric, logarithmic and exponential functions combined with differential calculus of functions of one variable and mathematical reasoning. This calculus sequence is intended for students who need to strengthen their precalculus skills. The sequence **Math 13–14** is equivalent to **Math 27**. Prerequisites: for **Math 13**: one year each of high school algebra I, II and geometry or equivalent and a passing score on the placement exam. **Math 13** or equivalent is prerequisite to **Math 14**. **Math 13** alone does not satisfy the Area B mathematics requirement of the pre-2012 general education requirements. Offered every semester. Satisfies Mathematical Understanding of the Core Curriculum.

**27 Calculus I**

Limits, continuity, trigonometry, mathematical induction, mathematical reasoning, the derivative, applications of the derivative, antiderivatives and the integral. Prerequisites: one year each of high school algebra I, II and geometry, Precalculus, or equivalent, and a passing score on the placement exam. Offered every semester. Satisfies Mathematical Understanding of the Core Curriculum.

**28 Calculus II with Applications**

This course is designed for students majoring in the life sciences, health sciences, business administration, psychology and accounting. Topics include techniques and applications of integration, first order differential equations, functions of several variables, double integrals and applications. Prerequisite: **Math 27** or equivalent. Offered every semester.

**38 Calculus II**

This course is designed for mathematics, physics, computer science, engineering and chemistry majors. Topics include techniques and applications of integration, infinite sequences and series, power series, polar coordinates and inverse trigonometric functions. Prerequisite: **Math 27** or equivalent. Offered every spring.

**39 Calculus III**

A rigorous treatment of limits for functions of one and several variables, differentiation and integration of functions of several variables, coordinate systems, vectors, line and surface integrals, Green's, Stokes' and the divergence theorems. Prerequisites: **Math 38** or equivalent. Offered every fall.

UPPER DIVISION

**Math 101, 120, 134** and **193** are offered annually. Most of the other upper-division courses are offered on a biannual rotation. Contact the department chair for the schedule.

**101 Fundamental Mathematical Concepts II\***

This course is a continuation of **Math 1** and focuses on geometry and measurement, patterns, probability and descriptive statistics. Prerequisites: One year each of high school algebra I, II and geometry or equivalent; **Math 1** or **27** or equivalent. Does not satisfy the Area B mathematics requirement of the pre-2012 general education requirements. Satisfies Mathematical Understanding of the Core Curriculum.

**111–112 Abstract Algebra I, II**

Groups, rings, modules, vector spaces, fields and Galois theory. Prerequisites for **Math 111**: **Math 39** and **120** or equivalent, or by instructor permission. **Math 111** is prerequisite to **Math 112**.

**113 Probability and Statistics**

Discrete and continuous random variables, expectation and variance, independence, distributions and the Central Limit Theorem. Survey of statistical methods: estimation, sampling, hypothesis testing, linear regression and confidence intervals. Prerequisites: **Math 28** or **38**, or equivalent.

**114 Mathematical Modeling**

An introduction to the formulation, analysis and interpretation of results of mathematical models in the study of real-life problems chosen from the various areas of natural sciences, social sciences, economics and business. Prerequisites: **Math 28** or **38**, or equivalent.

**115 Number Theory**

Results studied include the Fundamental Theorem of Arithmetic, the Euclidean algorithm, Fermat's Little Theorem and Euler's generalization, Diophantine equations and the Law of Quadratic Reciprocity. Prerequisites: **Math 28** or **38**, or equivalent.

**120 Linear Algebra with Applications**

Matrices, simultaneous linear equations, linear transformations, vector spaces, bases, determinants, eigenvectors, Gram-Schmidt orthonormalization, techniques of mathematical proof and applications of linear algebra. Prerequisites: Any one of these pairs: **Math 27** and **28**; **Math 27** and **38**; **Math 27** and **CS 21**; **CS 21** and **CS 102**, or equivalent.

**130 Abstract Geometry**

Selection of topics which may include projective geometry, Euclidean and affine groups and axiomatic geometry and classical problems. Prerequisite: **Math 120** or equivalent.

## Curriculum Mathematics and Computer Science

### 134 Differential Equations

Ordinary differential equations, existence and uniqueness theorems, some numerical methods, Laplace transforms, series solutions, linear systems with constant coefficients. Partial differential equations, separation of variables, Fourier series *Prerequisites: Math 39, or Math 38 and Math 120, or equivalent.*

### 140 Combinatorics and Discrete Mathematics

This course focuses on discrete structures and their relations. Topics may include counting techniques, relations, graph theory and logic. *Prerequisites: Any one of these pairs: Math 27 and 28; Math 27 and 38; Math 27 and CS 21; CS 21 and CS 102, or equivalent.*

### 150 Advanced Calculus

A rigorous review of the theory of single variable calculus, topology of  $n$ -space, integration and differentiation, improper integrals, differential forms, the theorems of Stokes and Gauss. *Prerequisites: Math 39 and Math 120, or by instructor permission.*

### 185 Complex Variables

Differentiation and integration of analytic functions of a complex variable, power series, residues, conformal mappings. *Prerequisites: Math 39 and Math 120, or equivalent.*

### 190 Special Topics in Mathematics

An upper division mathematics course not listed above, such as differential geometry, numerical analysis, topology or real analysis. May be repeated for credit as topics vary. *Prerequisites: vary with topics.*

### 193 Senior Seminar

An in-depth critical examination of a topic or topics in contemporary mathematics. The course consists of directed reading, presentations, research and the writing of a final essay under the supervision of the instructor. At the conclusion of the semester students are expected to present their work at a departmental colloquium of faculty and students. The essay is evaluated by a committee consisting of the faculty supervisor and two other faculty chosen in consultation with the student. *Prerequisites: Math 111 or 150 or consent of instructor. Senior or second-semester junior standing required.*

### 197 Special Study

Independent research of topics not covered in listed courses. *Permission of the chair is required.*

### 199 Special Study – Honors

Independent study or research for majors with at least a B average in mathematics. *Permission of the chair is required.*

## COMPUTER SCIENCE

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The courses in computer science emphasize fundamental principles and computer structure. They introduce students to the design and applications of computer systems, and prepare students to use computers as tools in solving complex problems. For 3+2 Computer Science, see 3+2 Engineering Program.

### PREREQUISITE GRADES

Any course listed in this department with a prerequisite assumes a grade of C– or better in the prerequisite course, including the high school courses algebra I, geometry and algebra II, which are prerequisites of all mathematics and computer science courses. Students who have not satisfied the high school prerequisites will be required to successfully complete a special mathematics readiness course before taking any course that will satisfy the Area B mathematics requirement of the pre-2012 general education requirements.

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## C O U R S E S

### LOWER DIVISION

#### 21 Programming

An introduction to problem-solving concepts and program design. Topics covered include top-down design with a structured programming language, bottom-up testing, control statements and structured data types. No prior knowledge of programming is required. The language for the course is Python or C++; students with knowledge of another programming language will find the course valuable. Prerequisites: one year each of high school algebra I, II and geometry or equivalent, and a passing score on the placement exam. *Offered each spring.*

### UPPER DIVISION

*Consult the department chair for the schedule of offerings.*

#### 102 Advanced Programming

A continuation of **Computer Science 21**. Topics include recursion, an introduction to data structures, analysis of algorithms and object-oriented programming. Programming style and large program development are emphasized. *Prerequisites: Computer Science 21 or an equivalent C++ based course.*

#### 110 Computer Systems

Computer structure and machine languages, assembly language macros, file I/O, program linkage and segmentation. *Prerequisites: Computer Science 102 or equivalent.*

#### 174 Analysis of Algorithms

Basic notions of the design and efficiency of computer algorithms, nonnumerical algorithms for sorting and searching and numerical algorithms. Underlying data structures are examined. *Prerequisites: Computer Science 102 and Math 28 or equivalent.*

#### 190 Topics in Computer Science

This course presents connections among different disciplines which apply the principles of computer science. The theme varies. Students are required to complete a significant project involving their primary discipline. *Prerequisites: varies with topic.*

#### 197 Special Study

Independent study in topics not covered in listed courses. *Permission of the department chair is required.*

### MODERN LANGUAGES

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The Department of Modern Languages promotes learning about diverse cultural traditions and global perspectives, and prepares students with the necessary linguistic and cultural skills to understand social and cultural shifts with which to participate in globalized working world. Our language programs play a fundamental role in the mission of Saint Mary's College of California 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 modern languages, literatures, and cultures.

The programs in the Department of Modern Languages 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 international 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—speaking, listening, reading and writing—in the target language. Instruction balances a solid grammatical foundation with practical training in both classroom and multimedia settings, which include exposure to culture and geography.

The Department of Modern Languages offers courses in French, German, Italian, Japanese, Mandarin, and Spanish. Students can pursue a major in Spanish and French, and/or a minor in French, Spanish, East Asian Studies, German Studies and Italian Studies. Students interested in foreign language study are encouraged to explore the options of a major in Spanish and 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 that also promote global learning, such as International Area Studies and History.

We strongly encourage our students to study abroad for a semester or more. Students can choose from SMC sponsored programs in Japan, Germany, France, Italy, Shanghai, Mexico, and Spain, as well as in 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 successfully participate in an increasingly globalized working environment that asks for culturally knowledgeable, multilingual citizens.

## FACULTY

Lori Spicher, Ph.D., *Associate Professor, Chair*  
 Catherine Marachi, Ph.D., *Associate Professor*  
 David Bird, Ph.D., *Associate Professor*  
 Maria Grazia De Angelis, M.A., *Adjunct Associate Professor*  
 Jane Dilworth, Ph.D., *Adjunct Associate Professor*  
 Costanza G. Dopfel, Ph.D., *Associate Professor*  
 Valerie Gómez, Ph.D., *Professor Emerita*  
 Joan U. Halperin, Ph.D., *Professor Emerita*  
 Helga Lénárt-Cheng, Ph.D., *Assistant Professor*  
 Claude-Rhéal Malary, Ph.D., *Associate Professor*  
 Alvaro Ramirez, Ph.D., *Professor*  
 María Luisa Ruiz, Ph.D., *Associate Professor*  
 Frances Sweeney, Ph.D., *Professor*  
 Naoko Uehara, M.A., *Adjunct Associate Professor*  
 Maureen Wesolowski, Ph.D., *Professor Emerita*

## LEARNING OUTCOMES

*After completing levels 1–3, students will be able to:*

- **ENGAGE** successfully in basic conversation (e.g. ask and answer questions in everyday social situations).
- **READ** and understand simple texts.
- **WRITE** short compositions using past, present and future tenses appropriately.

*Students graduating with a major or minor in French or Spanish are expected to be able to:*

- **CONVERSE** with other speakers of the target language on a variety of topics.
- **READ** and understand expository prose.
- **WRITE** coherent, grammatically correct essays on a variety of topics.
- **BE** familiar with the culture, history and literature of the countries whose language is under study.
- **ENGAGE** in literary analysis (using the correct literary terminology, grammar, stylistic requisites) by writing clear and well-organized compositions.

*Students graduating with a minor in Italian Studies, German Studies, or Asian Studies 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.

## FOREIGN LANGUAGE PLACEMENT EXAM

Incoming students are required to take the Foreign Language Placement Exam unless they successfully completed three years of the same language during high school with a grade point average of 3.0 or higher. For Spanish and French, the placement exam should be taken online at [stmarys-ca.edu/orientation](http://stmarys-ca.edu/orientation) prior to attending orientation. Students should print out a copy of test results for their records. Students may take the placement exam once during each academic year and results are valid for one academic year. For other languages offered at SMC, including Italian, German, Japanese, Mandarin, Latin And Greek, an exam will be conducted with a professor during

the first week of classes to determine the appropriate course in which to enroll. It is strongly recommended that students complete the language requirement by the end of their sophomore year, and take into account the language requirement as they plan a course of study so they may graduate on time.

## ADVANCED PLACEMENT CREDIT

Students who have taken the AP exam in language and scored a 3 receive course credit for level 3. For a score of 4 on the AP exam a student receives credit for levels 3 and 4. For a score of 5 on the AP exam 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 **Spanish 9**.

## MAJOR REQUIREMENTS

Students may major in French or Spanish.

### LOWER DIVISION

**Courses 1, 2, 3, 4, 9/10, 11** (or their equivalents).

Students intending to major in the department must present evidence by examination or otherwise that their preparation includes the equivalent of the courses enumerated above. **Courses 1, 2, 3, 4, 9/10, 11** normally consist of four one-hour class meetings per week and are taught in the target language.

### UPPER DIVISION

Upper division course listings are alternated regularly to furnish the major with the widest coverage in his/her field. Except for modern languages in translation courses, all upper-division courses are conducted in the foreign language. Courses in translation are not normally taken for credit toward the major. A minimum of four upper-division courses must be taken on campus.

For the French and the Spanish majors, there are two options for upper division coursework. **Option A** requires nine upper-division courses and a .25 credit capstone course, and is a program of study for students who wish to study Spanish or French whether or not they plan to continue their studies in graduate school. This option allows French or Spanish as a second major. **Option B** requires 10.50 upper-division courses and is an honors major program for students intending to continue the study of Spanish or French at the graduate level. This major requires the student to maintain a GPA of at least 3.5 in the major and be recommended in writing by two professors in the language of study. *This option must be declared by the end of the sophomore year. See course listings for the relevant courses.*

## Curriculum Modern Languages

### SUGGESTED FRENCH MAJOR PROGRAMS—OPTION A

*A program for students who wish to study French but do not plan to continue to graduate school (although it does not preclude further study at a graduate level). This option allows for French as a second major.*

LOWER DIVISION	UPPER DIVISION
French 4, 10, 11 (or equivalent), 15	A total of 9.25 courses distributed as follows: 101, 185; and eight French courses in language, literature and culture.

### SUGGESTED FRENCH MAJOR PROGRAMS—OPTION B

*An honors major program for students intending to continue the study of French at graduate level. A GPA of at least 3.0 in the major is required, as is the recommendation of two instructors.*

LOWER DIVISION	UPPER DIVISION
French 4, 10, 11 (or equivalent), 15	A total of 10.5 upper division courses: two language courses (100, 101); 185; and eight French literature and culture courses, including Modern Languages 170.

Spanish majors who plan to study abroad should complete the **Spanish 11** requirement before going abroad and before enrolling in upper division courses. The Department of Modern Languages does not accept **Spanish 11** courses taken in summer school or as an online course.

Students who take Spanish courses abroad, and who do not declare a Spanish major prior to leaving, cannot declare a major in Spanish upon returning until they have completed the **Spanish 11** prerequisite.

The split major in which Spanish is the predominant field of study requires **Spanish 9 or 10; Spanish 11**; 6.25 upper-division courses which must include **101; 102**; two of the following: **120, 121, 149, 141**; two electives, and **185**. The split major in which Spanish is not the predominant field requires **Spanish 9 or 10; Spanish 11**; three upper-division courses, one of which must be **Spanish 101 or 102**; and **Spanish 185**.

### SUGGESTED SPANISH MAJOR PROGRAMS—OPTION A

*A program for students who wish to study Spanish whether or not they plan to continue their studies in graduate school. This option allows for Spanish as a second major.*

LOWER DIVISION	UPPER DIVISION
Spanish 4; Spanish 9 or 10 and Spanish 11 (or equivalent)	A total of 9.25 courses distributed as follows: 101; 102; either 120 or 121; either 140 or 141; 185; and five electives in Spanish.

### SUGGESTED SPANISH MAJOR PROGRAMS—OPTION B

*This is an honors major program for students intending to continue the study of Spanish at graduate school level. The major requires the student to maintain a GPA of at least 3.5 in the major and be recommended in writing by two professors. This option must be declared by the end of the sophomore year.*

LOWER DIVISION	UPPER DIVISION
Spanish 4; Spanish 9 or 10 and Spanish 11 (or equivalent)	A total of 10.5 upper division courses: 100; 101; 102; 120; 121; 140; 141; 185L 198L 170 plus two Spanish electives.

### PREPARATION FOR GRADUATE WORK

Students wishing to work toward an advanced degree in either French or Spanish should note that a broad foundation in another foreign language is important. M.A. degrees in French and Spanish normally require a reading knowledge of an additional modern language. Accordingly, prospective graduate students are urged to begin this language preparation in their undergraduate years.



## MINOR REQUIREMENTS

### FRENCH

The minor in French requires a total of 7.25 courses: **French 4; 9 or 10; 11** (or equivalent); **15; 101**; and three additional upper division courses.

### SPANISH

The minor in Spanish requires a total of seven courses: **Spanish 4; 9 or 10; 11** (or equivalent); either **101 or 102**; and three additional upper-division courses. **Spanish 11** is a prerequisite for upper division courses. Students who plan to study abroad who are Spanish minors should complete this requirement before going abroad and before enrolling in upper division courses. The Department of Modern Languages does not accept **Spanish 11** courses taken in summer school or as an online class. Students who take Spanish courses abroad, and who do not declare a Spanish minor prior to leaving, cannot declare a minor in Spanish upon returning until they have completed the **Spanish 11** prerequisite.

## LANGUAGE STUDIES MINOR

### EAST ASIAN STUDIES MINOR (JAPANESE LANGUAGE)

The East Asian Studies Minor requires a total of 8.75 courses as follows: 4.50 lower-division courses (**Japanese 1, 2, 3, 4** or equivalent); a minimum of one conversation course and one culture course (.25 credits each): **Japanese 6, Japanese 7**; 4.25 upper-division courses focusing on aspects of East Asian culture, literature, film, history, politics, art, music, etc. (including **ML 198**, a .25 capstone course).

### GERMAN STUDIES MINOR

The German Studies minor requires a total of 8.75 courses as follows: 4.50 lower-division courses (**German 1, 2, 3, 4** or equivalent); a .25 credit conversation course, taken at least twice: **German 6**; 4.25 upper-division courses focusing on aspects of German culture, literature, film, history, politics, art, music, etc. (including **ML 198**, a .25 capstone course).

### ITALIAN STUDIES MINOR

The Italian Studies Minor requires a total of 8.75 courses as follows: 4.50 lower-division courses (**Italian 1, 2, 3, 4** or equivalent); a minimum of two conversation courses (.25 credits each): **Italian 6, Italian 60** and **Italian 106**; 4.25 upper-division courses focusing on aspects of Italian culture, literature, film, history, politics, art, music, etc. (including **ML 198**, a .25 capstone course). At least two upper-division courses must be taken within the Department of Modern Languages.

### PREREQUISITE GRADE

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

## C O U R S E S

### LOWER DIVISION

#### FRENCH

##### 1 Elementary French

For students with no prior knowledge of French. With instruction in basic grammar structures and communication strategies, students begin to develop reading, writing, listening and speaking skills. *Does not satisfy an Area requirement of the pre-2012 general education requirements unless language requirement has already been satisfied.*

##### 2 Continuing Elementary French

For students with one or two years of secondary study of French (or the equivalent). This course continues the development of reading, writing, listening and speaking, emphasizing conversation on everyday topics. *Prerequisite: French 1 or equivalent. Does not satisfy an Area requirement of the pre-2012 general education requirements unless language requirement has already been satisfied.*

##### 3 Intermediate French

For students with two or three years of secondary study of French (or the equivalent). This course continues the development of reading, writing, listening and speaking, fostering confidence in conversation and composition across a variety of subjects. *Prerequisite: French 2 or the equivalent. Does not satisfy an Area requirement of the pre-2012 general education requirements unless language requirement has already been satisfied.*

##### 4 Continuing Intermediate French

For students with three or four years of secondary study of French (or the equivalent). This course offers an abbreviated review of primary structures and concentrates heavily on developing communicative ability through readings, music and visual resources. For students who have completed an overview of basic grammar and are ready to combine and apply their language skills in most settings. *Prerequisite: French 3 or the equivalent. Only offered in the spring semester.*

##### 6 Conversation (.25)

Conversational practice for students enrolled in first- or second-year French. Meets once a week. May be repeated for credit. *Does not satisfy an Area requirement of the pre-2012 general education requirements.*

## Curriculum Modern Languages

### 10 Conversation–Composition

This course prepares students for upper-division work by developing fluency in speaking and writing. Curriculum includes study and discussion of selected texts by contemporary French authors, with emphasis on the short story; discussion and debate of contemporary issues; written composition. A sound knowledge of French grammar is expected although particular features of the language are reviewed. Required for French majors and minors. Also open to students from other disciplines who wish to improve their mastery of the language. *Prerequisite: French 4 or equivalent. Only offered in the fall semester. Satisfies Global Perspectives of the Core Curriculum.*

### 11 Introduction to Literature

Introduction to literary analysis. This course requires close reading of texts and emphasizes extensive writing about literature. Examination of the notion of genre, narrative devices and structure. Required of majors and minors. *Prerequisite: French 4 and/or 10, or equivalent. Only offered in the spring semester. Satisfies Artistic Understanding (Analysis) of the Core Curriculum.*

### 15 Phonetics (.25)

A practical course designed to instill correct pronunciation habits early in the student's career. Required for all majors and minors, except by special exemption. *Does not satisfy an Area requirement of the pre-2012 general education requirements.*

### 17 Introduction to Business French (.25)

For students with a minimum of one year of high school French or the equivalent. The course familiarizes students with French business practices and vocabulary, aspects of the French economy, and cultural differences between France and the U.S. By building on students' knowledge of the language, the course develops the practical communication and comprehension skills needed to interact in French in professional situations. Class meets one-and-a-half hours weekly.

### 60 French Civilization for Travel Courses (.25)

In preparation for study in France, students are required to take this course on the history, geography and political structures of France. *Does not satisfy an Area requirement of the pre-2012 general education requirements.*

## GERMAN

### 1 Elementary German

For students with no prior knowledge of German. With instruction in basic grammar structures and communication strategies, students begin to develop reading, writing, listening and speaking skills. *Does not satisfy an Area requirement of the pre-2012 general education requirements unless language requirement has already been satisfied.*

### 2 Continuing Elementary German

For students with one or two years of secondary study of German (or the equivalent). This course continues the development of reading, writing, listening and speaking, emphasizing conversation on everyday topics. *Prerequisite: German 1 or equivalent. Does not satisfy an Area requirement of the pre-2012 general education requirements unless language requirement has already been satisfied.*

### 3 Intermediate German

For students with two or three years of secondary study of German (or the equivalent). This course continues the development of reading, writing, listening and speaking, fostering confidence in conversation and compositions across a variety of subjects. *Prerequisite: German 2 or the equivalent. Does not satisfy an Area requirement of the pre-2012 general education requirements unless language requirement has already been satisfied.*

### 4 Continuing Intermediate German

For students with three or four years of secondary study of German (or the equivalent). This course offers an abbreviated review of primary structures and concentrates heavily on developing communicative ability through readings, music and visual resources. For students who have completed an overview of basic grammar and are ready to combine and apply their language skills in most settings. *Prerequisite: German 3 or the equivalent.*

### 6 Conversation (.25)

Development of oral skills involving daily life and contemporary issues. May be repeated for credit. *Does not satisfy an Area requirement of the pre-2012 general education requirements.*

### 197 Special Study

An independent study or research course for students whose special needs cannot be met by regular courses offered by the department. *Permission of the instructor and department chair required.*

### 198 Language Studies Capstone (.25)

An independent project integrating language and culture designed in consultation with an instructor in a student's language studies area.

## ITALIAN

### 1 Elementary Italian

For students with no prior knowledge of Italian. With instruction in basic grammar structures and communication strategies, students begin to develop reading, writing, listening and speaking skills. *Does not satisfy an Area requirement unless language requirement has already been satisfied.*

## 2 Continuing Elementary Italian

For students with one or two years of secondary study of Italian (or the equivalent). This course continues the development of reading, writing, listening and speaking, emphasizing conversation on everyday topics. *Prerequisite: Italian 1 or equivalent. Does not satisfy an Area requirement unless language requirement has already been satisfied.*

## 3 Intermediate Italian

For students with two or three years of secondary study of Italian (or the equivalent). This course continues the development of reading, writing, listening and speaking, fostering confidence in conversation and composition across a variety of subjects. *Prerequisite: Italian 2 or the equivalent. Does not satisfy an Area requirement unless language requirement has already been satisfied.*

## 4 Continuing Intermediate Italian

For students with three or four years of secondary study of Italian (or the equivalent). This course offers an abbreviated review of primary structures and concentrates heavily on developing communicative ability through readings, music and visual resources. For students who have completed an overview of basic grammar and are ready to combine and apply their language skills in most settings. *Prerequisite: Italian 3 or the equivalent. Satisfies Community Engagement of the Core Curriculum.*

## 6 Conversation (.25)

Conversational practice using the vocabulary and basic grammatical structures of Italian 1, 2 sequence. Topics include cooking, pastimes and hobbies, politics, the family, travel, fashions, Italian film, sports, art, etc. Meets one hour per week. May be repeated for credit. *Does not satisfy an Area requirement of the pre-2012 general education requirements.*

## 21 Intensive Elementary Italian

An accelerated review of first-year college Italian for students with some prior study of Italian. Satisfactory completion of this course (minimum grade C-) results in credit for **Italian 2**.

## 60 Italian Civilization for Travel Courses (.25)

In preparation for travel in Italy, students will be introduced to various aspects of contemporary Italian culture, art and history so they can better appreciate the country and its people. The course will cover such topics as social manners, means of transportation, personal safety, laws and legal rights, medical resources, money and food. Students will also learn basic Italian language skills. These are the two courses:

**Italian 60-01:** Italian Civilization for Travel Courses (taught in Italy during January for students who study in Italy in the Spring)

**Italian 60-02:** Italian Civilization for Travel Courses (taught in the spring semester on campus, for students who study in Italy in the Fall)

## 106 Advanced Conversation (.25)

Conversation on contemporary issues. Meets once a week. Recommended for minors in Italian Studies and those students who have studied in Italy. May be repeated for credit. *Does not satisfy an Area requirement of the pre-2012 general education requirements.*

## 197 Special Study

An independent study or research course for students whose special needs cannot be met by regular courses offered by the department. *Permission of the instructor and department chair required.*

## 198 Language Studies Capstone (.25)

An independent project integrating language and culture designed in consultation with an instructor in a student's language studies area.

*Note: Upper-division courses in Italian are offered as Modern Languages in Translation.*

## JAPANESE

### 1 Elementary Japanese

For students with no prior knowledge of Japanese. Students learn basic grammar and sentence structure and the two phonetic alphabets, as well as common Japanese expressions and vocabulary. *Does not satisfy an Area requirement of the pre-2012 general education requirements unless language requirement has already been satisfied.*

### 2 Continuing Elementary Japanese

For students with one or two years of secondary study of Japanese (or the equivalent). Extends the study of basic grammar and topically specific vocabulary, and introduces some Kanji characters. *Prerequisite: Japanese 1 or the equivalent. Does not satisfy an Area requirement of the pre-2012 general education requirements unless language requirement has already been satisfied.*

### 3 Intermediate Japanese

For students with two or three years of secondary study of Japanese (or the equivalent). Introduction of more complex grammar and idioms, and additional Kanji characters. Emphasis on extending competence in oral and written communication. *Prerequisite: Japanese 2 or the equivalent. Does not satisfy an Area requirement of the pre-2012 general education requirements unless language requirement has already been satisfied.*

### 4 Continuing Intermediate Japanese

For students with three or four years of secondary study of Japanese (or the equivalent). Along with a review of grammar structures, this course gives increased attention to improving communicative skills. Students completing this course are ready to combine and apply their language skills in most settings. *Prerequisite: Japanese 3 or the equivalent.*

## Curriculum Modern Languages

### 6 Conversation (.25)

An intermediate course focused on conversational communicative skills. Students practice situationally-grounded conversation and develop speech skills through discussion. May be repeated for credit as content varies. *Does not satisfy an Area requirement of the pre-2012 general education requirements.*

### 7 Introduction to Japanese Culture (.25)

An introductory survey of interesting aspects of Japanese culture. Taught in English. Students enrolled in **Japanese 1** or **2** are expected to take **Japanese 7** concurrently with either **Japanese 1** or **2**. May be repeated twice for credit as content varies.

### 197 Special Study

An independent study or research course for students whose special needs cannot be met by regular courses offered by the department. *Permission of the instructor and department chair required.*

### 198 Language Studies Capstone (.25)

An independent project integrating language and culture designed in consultation with an instructor in a student's language studies area.

## SPANISH

### 1 Elementary Spanish

For students with no prior knowledge of Spanish. With instruction in basic grammar structures and communication strategies, students begin to develop reading, writing, listening and speaking skills. Students who have some prior study of Spanish, but who need to review the basics, should enroll in **Spanish 2**. *Does not satisfy an Area requirement of the pre-2012 general education requirements unless language requirement has already been satisfied.*

### 2 Continuing Elementary Spanish

For students with one or two years of secondary study of Spanish (or the equivalent). This course continues the development of reading, writing, listening and speaking, emphasizing conversation on everyday topics. *Prerequisite: Spanish 1 or the equivalent. Does not satisfy an Area requirement of the pre-2012 general education requirements unless language requirement has already been satisfied.*

### 3 Intermediate Spanish

For students with two or three years of secondary study of Spanish (or the equivalent). This course continues the development of reading, writing, listening and speaking, fostering confidence in conversation and composition across a variety of subjects. *Prerequisite: Spanish 2 or the equivalent. Does not satisfy an Area requirement of the pre-2012 general education requirements unless language requirement has already been satisfied.*

### 4 Continuing Intermediate Spanish

For students with three or four years of secondary study of Spanish (or the equivalent). This course offers an abbreviated review of primary structures and concentrates heavily on developing communicative ability through readings, music and visual resources. For students who have completed an overview of basic grammar and are ready to combine and apply their language skills in most settings. *Prerequisite: Spanish 3 or the equivalent.*

### 6 Conversation (.25)

Conversational practice for students enrolled in first- or second-year Spanish. Meets once a week. May be repeated for credit. *Does not satisfy an Area requirement of the pre-2012 general education requirements.*

### 9 Spanish for Spanish Speakers

A course designed specifically for Latino students who wish to improve their written language. Differences between written and spoken Spanish are emphasized. Reading and discussion of essays and short stories by Latino and Latin American writers; regular written assignments.

### 10 Conversation-Composition

This course prepares students for upper-division work by developing fluency in speaking and writing. Curriculum includes study and discussion of selected texts by contemporary Spanish authors, with emphasis on the short story; discussion and debate of contemporary issues; written composition. A sound knowledge of Spanish grammar is expected although particular features of the language are reviewed. Required for Spanish majors. Also open to students from other disciplines who wish to improve their mastery of the language. *Prerequisite: Spanish 4 or the equivalent. Satisfies Global Perspectives of the Core Curriculum.*

### 11 Introduction to Literature

Introduction to literary analysis. This course requires close reading of texts and emphasizes extensive writing about literature. Examination of the notion of genre, narrative devices, structure, etc. Required of majors and minors. *Prerequisite: Spanish 9 or 10, or the equivalent. Satisfies Global Perspectives and Artistic Understanding (Analysis) of the Core Curriculum.*

### 21 Intensive Elementary Spanish

An accelerated review of first-year college Spanish for students with some prior study of the language. Satisfactory completion of this course (minimum grade C-) gives credit for **Spanish 2**.

### 60 Spanish Civilization for Travel Courses (.25)

In preparation for study in Spain, students read about major periods in history and analyze the principal currents in art. In addition this course examines cultural traits of everyday life. *Does not satisfy an Area requirement of the pre-2012 general education requirements.*

UPPER DIVISION

**FRENCH**

**100 Advanced Phonetics and History of the French Language**

A survey of the evolution of the French language, treating phonology, syntax, lexicon and semantics; detailed analysis of the sounds and speech patterns of modern French. *Does not satisfy an Area requirement of the pre-2012 general education requirements.*

**101 Advanced French Syntax and Composition**

This course is a combination of French 101 and 102, with a focus on essential aspects of French syntax and on developing composition skills. Translation techniques and analysis of model texts serve as means of improving self-expression and written communication

**103 Advanced Composition and Stylistics**

Using literary texts as a point of departure, this course concentrates on stylistics in order to help students perfect their own writing style in French.

**104 Workshop in Translation**

Introduction to the linguistic and aesthetic problems of translation, with emphasis on learning through practice. Focus on various kinds of texts, both literary and technical. Equal emphasis given to translating from French into English (version) and from English into French (theme).

**106 Conversation on Contemporary Issues (.25)**

Open to students with at least two years of French. Meets once a week. May be repeated for credit. *Does not satisfy an Area requirement of the pre-2012 general education requirements.*

**121 French Literature: Middle Ages to the Renaissance**

Readings in medieval epic poems (*chansons de geste*), lyric poetry and courtly novels; early religious and secular theater; first historians; major writers of the Renaissance: Rabelais, Montaigne, Marguerite de Navarre, poets of the *Pléiade*.

**122 French Literature: Seventeenth and Eighteenth Centuries**

Study of the great writers of the age of Classicism: plays by Corneille, Molière and Racine; the fables of La Fontaine; the ideas of Descartes and Pascal; Mme de Lafayette and the birth of the psychological novel; introduction to the great philosophers of the Age of Enlightenment: Montesquieu, Voltaire, Diderot, Rousseau. The theater of Marivaux and Beaumarchais; preromanticism in the novel.

**123 French Literature: Nineteenth and Twentieth Centuries**

The principal literary movements of the 19th century: romanticism and symbolism in poetry and drama, realism and naturalism in the novel and short story; development of the 20th-century novel, from Proust to the *nouveau roman*; trends in modern drama, poetry and philosophy.

**129 French Literature Outside Europe**

Literature and culture of French-speaking Africa, Canada and the Antilles. May be repeated for credit as content varies.

**130 Thematic and Stylistic Study of a Single French Author or Genre**

May be repeated for credit as content varies.

**131 Exploration of a Particular Literary School or Period in French Literature**

Offered according to student interest. May be repeated for credit as content varies.

**150 Culture and Civilization of France**

A study of the relationship between the rich culture of France and its turbulent history. Attention is given to the interchange between artistic or literary expression and the political process.

**170 Business French**

Introduction to commercial French for students interested in international business and finance. Students who complete this course successfully are prepared to take the internationally recognized Paris Chamber of Commerce examination, the *Certificat Pratique*.

**185 Senior Capstone (.25)**

Required of all French majors in the spring of their senior year. This course is designed to help seniors assess and integrate the knowledge they have acquired through their courses in French.

**197 Special Study**

An independent study or research course for students whose special needs cannot be met by regular courses offered by the department. *Permission of the instructor and department chair required.*

**198 Honors Essay (.25)**

An independent research project for senior French majors completing the Honors program, Option B.

**199 Special Study — Honors**

An independent study or research course for senior French majors with a B average in French. *Permission of the instructor and department chair required.*

**SPANISH**

**100 Spanish Phonetics and Dialectology**

Students will study the sounds, the intonation and the rhythm of spoken Spanish as they explore general principles of phonetics and phonology, phonetic transcription, the historical development of the Spanish sound system and contrasts between modern peninsular and Latin American dialects. The course also addresses the Spanish/English contrastive analysis and typical phonetic interference present in bilingual speech communities.



## Curriculum Modern Languages

### 101 Advanced Spanish Syntax and Composition I

This course serves as a systematic review of essential aspects of Spanish syntax with a variety of writing exercises using diverse texts as a point of departure. Students will analyze samples of mass media communication for content and style, including newspaper and magazine articles, essays and editorials, book reviews, film scripts, publicity and film and theater reviews. In the second half of the term, some emphasis is placed on creative writing.

### 102 Advanced Writing and Research

In this course, students will further develop their Spanish skills in literary analysis and academic writing, with the opportunity to research and investigate themes related to literature using the library and other research tools. Students will be able to articulate clear theses and be able to support them through primary and secondary research. Topics to be taught include bibliographies, footnotes and formatting a project using the standard MLA style particular to foreign languages and literatures.

### 103 Advanced Spanish Linguistics

This course familiarizes students with the scientific study of the Spanish language. Areas covered include phonetics, phonology, morphology, syntax, semantics, sociolinguistics, bilingualism and the history of the Spanish language from its roots in Vulgar Latin to its modern dialectal variations.

### 104 Workshop in Translation

Introduction to the linguistic and aesthetic problems of translation, with emphasis on learning through practice. Focus on various kinds of texts, both literary and technical. Equal emphasis given to translating from Spanish to English and from English to Spanish.

### 106 Advanced Conversation (.25)

Conversation on contemporary issues. Source materials include newspaper articles, television and radio programs. Meets once a week. May be repeated for credit. *Does not satisfy an Area requirement of the pre-2012 general education requirements.*

### 120 Spanish Literature: Middle Ages to Eighteenth Century

Introduction and study of the major genres and writers from the Middle Ages to the 18th century, including Cantar de mio Cid, medieval ballads, early lyric and didactic poetry and readings in medieval prose and drama; selections from lyric and mystic Renaissance poetry; the picaresque novel. Golden Age prose and poetry, including Cervantes, Góngora, Lope de Vega and Calderón. *Offered in alternate years. Satisfies Artistic Understanding (Analysis) of the Core Curriculum.*

### 121 Spanish Literature: Eighteenth Century to the Mid-Twentieth Century

Readings from the major writers and literary movements in Spain from 1700 to 1940. An overview of 18th-century ideological renewal as manifested in essays, the neoclassic theater and social satire. This course includes nineteenth-century romanticism in poetry and drama, realism and naturalism in the 19th-century novel, the Generation of 1898, and 20th-century modernism in prose, poetry and drama. *Satisfies Artistic Understanding (Analysis) of the Core Curriculum. Offered in alternate years.*

### 122 Literature of the Golden Age

Topics covered include the theater of 17th-century dramatists: Lope de Vega, Calderón, Tirso de Molina and others; the poetry of Garcilaso, Herrera, Lope de Vega, Quevedo, Góngora, Fray Luis de León, San Juan de la Cruz, Santa Teresa; prose masterpieces such as Cervantes' *Don Quijote* and representative selections from his *Novelas ejemplares*.

### 127 Contemporary Peninsular Literature

Study of major literary trends in poetry, prose and drama of the 20th century. May be repeated for credit as content varies.

### 130 Thematic and Stylistic Study of a Single Author or Genre

Intensive study and analysis of a single salient figure or movement in Spanish literature. May be repeated for credit as content varies.

### 140 Latin American Literature I

A study of the foundations of literature of Latin America, from the colonial period through neoclassicism; Mexico's picaresque novel; the literature of the struggle for independence; romanticism in prose and poetry. *Satisfies Global Perspectives of the Core Curriculum.*

### 141 Latin American Literature II

An upper-division survey literature course designed to give students a wide scope of readings from the beginning of 20th century to more recent texts that have shaped Latin America's social, cultural, and literary history. Students read representative authors; analyze texts using appropriate literary terminology; and engage with questions of regional and individual national identities. *Satisfies Global Perspectives of the Core Curriculum. Offered in alternate years.*

### 143 Contemporary Latin American Literature

Study of major literary trends in poetry, prose and drama of the 20th century. May be repeated for credit as content varies.

### 145 Twentieth-Century Mexican Literature

Major literary currents and primary works of the most prominent writers of the 20th century within the framework of the economic and social changes of the period: the Mexican Revolution and its aftermath; the feminist revolution; political developments. Available for variable credit.



**150 Chicano/Chicana Literature**

An exploration and analysis of representative works by Chicano/Chicana writers and the vision they present of themselves. Samples of poetry, drama and prose are considered. May be repeated for credit as content varies. Available for variable credit.

**160 Culture and Civilization of Spain**

Highlights of Spain's culture against the backdrop of Spanish civilization. Masterpieces of Spanish artistic expression are studied as are the roles of social, religious and political values in the development of Spain's culture and civilization to contemporary times. *Offered in alternate years.*

**161 Culture and Civilization of Latin America**

A literature-based course focusing on the origin and heritage of Latinos. An examination of the social, religious and political values of the culture, and the similarities and differences between Latin American nations. *Offered in alternate years.*

**162 Culture and Civilization of Mexico**

A study of the major historical periods, from pre-Columbian times to the present. Emphasis given to cultural traits particular to Mexico. An overview of art history: Mesoamerican art, the mural movement and contemporary currents.

**170 Business Spanish**

Composition and translation of Spanish/Hispanic business correspondence to develop familiarity with the Spanish commercial idiom. Reading and oral practice in Spanish using as source material current topics in world trade, economics, banking and industry, with focus on Latin America and Spain.

**185 Senior Capstone (.25)**

Required of all Spanish majors in the spring of their senior year. This course is designed to help seniors assess and integrate the knowledge they have acquired through their major courses, and consider what they have learned in the context of their overall undergraduate experience.

**197 Special Study**

An independent study or research course for students whose special needs are not met by the regular course offerings of the department. *Permission of the instructor and department chair required.*

**198 Honors Essay (.25)**

An independent research project for senior Spanish majors completing Option B: the Honors program.

**199 Special Study – Honors**

An independent study or research course for senior Spanish majors with a 3.5 average in Spanish. *Permission of the instructor and department chair required.*

**MODERN LANGUAGES IN TRANSLATION**

**126 Film**

Viewing and discussion of French, German, Italian, Spanish or Latin American films. Each course focuses on a particular genre, director, country or area sharing a common language and culture. May be repeated for credit as content varies.

**170 Modern Critical Theory**

General introduction to movements or trends in current critical theory, including psychoanalytic (Freudian, Lacanian), postmodernism (deconstructionism), feminist theory, structuralism, semiotics, etc. Discussion of theory is in English. Students' work is in French or Spanish. *English majors accepted with permission of chair of Department of English.*

**180 Medieval and Early Renaissance Poetry and Music**

A study of popular and cultivated poetry of Medieval and Renaissance Europe and the musical expressions in the context of the Medieval and Renaissance world and mind.

**181 Renaissance and Baroque Literature of Europe**

A study of the literature of 17th-century Europe. May be repeated for credit as content varies.

**182 The Romantic Movement in Literature**

A study of the literary expressions of the 19th century. May be repeated for credit as content varies.

**183 Authors, Genres and Themes in Western Literature**

An investigation of a single author, genre, theme or topic in Western or Third-World literature. May be repeated for credit as content varies.

**184 Topics in Hispanic Literature**

Reading and discussion of Hispanic literature in translation. Topics include Hispanic women writers, modern Chicano literature, Hispanic theater in the United States.

**198 Language Studies Capstone (.25)**

An independent project integrating language and culture designed in consultation with an instructor in a student's language studies area.

*The following courses are recommended to majors in business administration, politics, history and communication:*

**185 Culture and Civilization of France**

A study of the relationship between the rich culture of France and its turbulent history. Attention given to the interchange between artistic or literary expression and the political process, with consequent socioeconomic developments.

## **Curriculum** Modern Languages

### **186 Culture and Civilization of Italy**

Italian culture has been central in the development of western civilization. From it emerged values and institutions that have helped shape every nation adopting that civilization. The aim of this course is to consider the intellectual and artistic manifestations of this important culture in all its brilliant variety. *Satisfies Artistic Understanding (Analysis) of the Core Curriculum.*

### **187 Culture and Civilization of Spain**

Highlights of Spain's culture against the backdrop of Spanish civilization. Masterpieces of Spanish artistic expression are studied and the roles of social, religious and political values in the development of Spain's culture and civilization to contemporary times.

### **188 Culture and Civilization of Latin America**

The study of the culture of the various Latin American nations from pre-Colombian civilizations to the present. Special consideration of manifestations of Latin American artistic expression. An examination of the social, religious and political values of the culture, and the similarities and differences between Latin American nations.

### **189 Culture and Civilization of Mexico**

A study of major historical periods, from pre-Colombian times to the present. Emphasis given to cultural traits particular to Mexico. An overview of art history: Mesoamerican art, the mural movement and contemporary currents.

## PERFORMING ARTS: DANCE, MUSIC, AND THEATRE

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The Performing Arts Department offers a unique interdisciplinary approach to the study of dance, music and theatre within a Liberal Arts context. Students receive pre-professional 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 students take a sequence of courses in their chosen discipline—emphasizing performance practice, history and theory, criticism and analysis—as well as breadth courses in the other two areas.

The Performing Arts Department offers four distinct majors and minors:

- Dance
- Music
- Theatre: Performance and Theatre Studies
- Theatre: Technical Theatre and Design

The Performing Arts Department builds creative artists with multiple skills. A team-taught core course cultivates thoughtful perception of the arts while introducing the distinctive languages of each medium. Rigorous studio and lab courses build technique, while classes in history, theory and analysis provide a 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 long history of great ideas and artistic achievements that have shaped our world.

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.

The capstone of the Performing Arts degree is the senior project, for which students must produce a substantial original research paper or artistic work demonstrating their command of artistic and intellectual skills appropriate to the undertaking.

### FACULTY

**Frank Murray, Ph.D.**, *Associate Professor, Theatre, Chair*

**Linda Baumgardner, M.F.A.**, *Adjunct*

*Assistant Professor, Technical Theatre and Design  
& Resident Dance Designer*

**Dan Cawthon, Ph.D.**, *Professor Emeritus, Theatre*

**Michael Cook, B.A.**, *Lecturer, Resident Theatre*

*Designer & Technical Director*

**CatherineMarie Davalos, M.F.A.**, *Professor, Dance*

**Reid Davis, Ph.D.**, *Adjunct Associate Professor, Theatre*

**Rebecca Engle, M.A.**, *Professor, Theatre*

**Julie Ford, D.M.A.**, *Adjunct Professor, Music*

**Dana Lawton, M.F.A.**, *Associate Professor, Dance*

**Lino Rivera, D.M.A.**, *Associate Professor, Music*

**Martin Rokeach, Ph.D.**, *Professor, Music*

**Jia Wu, M.F.A.**, *Associate Professor, Dance*

### LECTURERS

#### DANCE

**Paul "Pope" Ackah, B.A.**, *African Dance,*

*Department Accompanist, repertory*

**Rosana Barragán, M.A.**, *Dance Science, Dance*

*History, Yoga, repertory*

**Jim Brosnahan, M.F.A.**, *Ballroom and social dance*

**Rogelio Lopez, M.F.A.**, *Dance Program Costume*

*Designer, Choreography, Modern and Contemporary*

*Dance, Ballet Folklorico, repertory*

**Jennifer Smith, M.A.**, *Pilates*

**Vera Schwegler, B.A.**, *Yoga and Jazz*

**Shaunna Vella, B.S.**, *Ballet, Modern and Contemporary*

*Dance, Jazz, repertory*

**Hailey Yaffee, B.A.**, *Pilates*

## Curriculum Performing Arts: Dance, Music, and Theatre

### MUSIC

Mori Achen, M.A., *classical guitar*  
Dawn Foster-Dodson, M.A., *chamber music; cello*  
Pamela Freund-Striplen, *violin/viola*  
Patrice Hambelton, *flute*  
Don Kennelly, B. M., *trombone*  
Adam Luftman, B. M., *trumpet*  
Sharon Kim, M.A., *Assistant Choral Director*  
Diane Maltester, M. A., *clarinet*  
John Maltester, M.A., *jazz band*  
Donna Olson, B. M., *voice*  
Laura Reynolds, M. M., *oboe*  
Mike Williams, M.A., *jazz guitar*  
Renee Witon, M.M., *class piano; Department Accompanist*

### THEATRE

Domenique Lozano, MFA, *Voice for the actor*  
Dave Maier, *Stage combat*  
Matthew Royce, MFA, *Lighting design*

### LEARNING OUTCOMES

When they have completed the Performing Arts Program, students will be able to:

- **EMPLOY** appropriately the basic technical terms generally used in an art form when discussing individual works, and identify specific elements of the aesthetic, historical and cultural context of a work of art by comparing it to others from the same context.
- **UTILIZE** a cross-disciplinary perspective in the arts and a familiarity with the Great Books/liberal arts tradition to identify the ways performing artists draw inspiration from nature, history, imagination, and the creative ideas and influences of others.
- **RECOGNIZE** similarities in structure (such as elements of phrasing) shared by all three performing arts and be able to articulate the significance of structural elements in the analysis of a work's form and meaning.
- **ENGAGE** in critical discourse that transcends personal opinion and acknowledges, respects and integrates the insights of other students from diverse cultural backgrounds.
- **DEMONSTRATE** the capacity for sustained and focused rehearsal efforts and for working collaboratively with different directors and performers.
- **PERFORM** the works of great choreographers, composers, and playwrights, as well as original/contemporary works of living artists.
- **ADAPT** performance skills both in rehearsal and performance to the technical demands of specific masterworks of various styles and eras, as well as to original/contemporary works.
- **EXHIBIT** performance skills beyond the foundational to professional level while effectively negotiating the anxiety/excitement of live performance, and be conversant with advanced techniques of the discipline.

### MAJOR REQUIREMENTS

#### DANCE

Perfa 1 Perceiving the Performing Arts  
Perfa 75 Dance Company I/II (.25 x 4)  
Perfa 90 Choreography I and Lab (.50 x 2)  
Perfa 115 Music in Performance  
Perfa 135 Theater in Performance: Bay Area Theatre  
Perfa 160 Special Topics: Asian Dance  
Perfa 175 Dance Company III/IV (.25 x 4)  
Perfa 182 Dance History I  
Perfa 183 Dance History II  
Perfa 184 Dance In Performance  
Perfa 195 Dance Production (3x)  
Perfa 198 Senior Project  
  
Perfa 144 Design for Dance (.25 recommended)  
Perfa 143 Production Management for Dance  
(.25 recommended)  
Perfa 190 Choreography II (.25 recommended)  
Perfa 191 Advanced Choreography (.25 recommended)

#### MUSIC

Perfa 1 Perceiving of the Performing Arts  
Perfa 11 Music Fundamentals  
Perfa 12 Applied Music\*  
(.25 x 2: 1 Beginning and 1 Intermediate Piano)

*A choice of EITHER*

Perfa 14 World Music and Dance *or*  
Perfa 113 Jazz and Blues in America

*And, a choice of EITHER*

Perfa 115 Music in Performance  
Perfa 197 Independent Study In Orchestration

*And*

Perfa 19 Performing Ensembles\* (.25 x 6)  
Perfa 110 Medieval and Renaissance Music (.5)  
Perfa 111 Music and Romanticism  
Perfa 112 Private Music Instruction Lab\* (.25 x 6)  
Perfa 114 Music Theory/Ear Training  
Perfa 117 Form and Analysis  
Perfa 118 Twentieth Century Composers  
Perfa 119 Music and the Enlightenment (.5)  
Perfa 135 Theater in Performance: Bay Area Theater  
Perfa 184 Dance In Performance  
Perfa 198 Senior Project

*\*Does not satisfy an Area requirement.*

**THEATRE PERFORMANCE  
AND THEATRE STUDIES TRACK**

**LOWER DIVISION**

- Perfa 1 Perceiving the Performing Arts
- Perfa 30 Foundations of Theatre I
- Perfa 33 Acting 1: Principles of Performance
- Perfa 36-01 Theatre Masterpieces: Modern Drama (.5)
- Perfa 36-02 Theatre Masterpieces: World Drama (.5)
- Perfa 37 Theatre Lab–Performance  
(.25 x 4, a total of 1.0 units)
- Perfa 48 Stagecraft (.5)

**UPPER DIVISION**

- Perfa 115 Music in Performance
- 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
- Perfa 136 Theatre: Special Studies
- Perfa 137 Acting III (.5)
- Perfa 142 Performing Arts in Production (.5)
- Perfa 184 Dance In Performance

*A choice of EITHER*

- Perfa 140 Stage Management (.5) *or*
- Perfa 148 Stage Lighting Design (.5) *or*
- Perfa 149 Design for the Stage (.5)

- Perfa 198 Senior project

*And one upper-division elective (approval required)*

**TECHNICAL THEATRE AND DESIGN TRACK**

**LOWER DIVISION**

- Perfa 1 Perceiving the Performing Arts
- Perfa 30 Foundations of Theatre I
- Perfa 33 Acting 1: Principles of Performance
- Perfa 36-01 Theatre Masterpieces: Modern Drama (.5)
- Perfa 36-02 Theatre Masterpieces: World Drama (.5)

- Perfa 47 Technical Theatre/Design Lab  
(.25 x 4, a total of 1.0 units)
- Perfa 48 Stagecraft (.5)

**UPPER DIVISION**

- Perfa 115 Music in Performance
- Perfa 130 Foundations of Theatre II
- Perfa 142 Performing Arts in Production  
(once for 1.0, once for .5)
- Perfa 136 Theatre: Special Studies
- Perfa 140 Stage Management (.5)
- Perfa 148 Stage Lighting Design (.5)
- Perfa 149 Design for the Stage (.5)
- Perfa 184 Dance In Performance
- Perfa 197 Internship
- Perfa 198 Senior project

**SPLIT MAJOR AGREEMENTS**

**Studio Art and Theatre  
Theatre and Social Justice (Sociology)  
Musical Theatre**

Students considering a split major or independent major involving theatre courses 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 split majors or other possible arrangements, contact Department Chair Frank Murray at: [fmurray@stmarys-ca.edu](mailto:fmurray@stmarys-ca.edu).

**MINOR REQUIREMENTS**

**DANCE**

- Perfa 1 Perceiving the Performing Arts
- Perfa 75/175 Dance Company I, II, III, *or* IV (.25 x 4)
- Perfa 90 Choreography I and Lab  
*or* Jan Term Choreography course
- Perfa 182 Dance History I
- Perfa 183 Dance History II
- Perfa 184 Dance In Performance
- Perfa 195 Dance Production

**MUSIC**

- Perfa 1 Perceiving the Performing Arts
- Perfa 10 Rock to Bach: Introduction to Music
- Perfa 11 Music Fundamentals
- Perfa 114 Music Theory and Ear Training

*A choice of EITHER*

- Perfa 12 Applied Music (.25 x 2) *or*
- Perfa 112 Private Music Instruction Lab\* (.25 x 4)

*A choice of EITHER*

- Perfa 14 World Music and Dance *or*
- Perfa 113 Jazz and Blues in America

*A choice of EITHER*

- Perfa 111 Music and Romanticism *or*
- Perfa 115 Music in Performance *or*
- Perfa 118 20th Century Composers

*Minors are strongly encouraged to audition for  
Perfa 19 ensembles.*

**THEATRE**

**LOWER DIVISION (3.0 units total):**

- Perfa 1 Perceiving the Performing Arts
- Perfa 30 Foundations I
- Perfa 36 Theatre Masterpieces (.5, either section)
- Perfa 48 Stagecraft (.5)

## Curriculum Performing Arts: Dance, Music, and Theatre

AND FOUR ADDITIONAL UNITS (4.0 units total)  
IN THE FOLLOWING AREAS:

Acting (1 unit)

Production/design (1 unit)

Theatre theory/history/criticism (1 unit)

Elective—approval required (1 unit)

### 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.

All Performing Arts courses meet the Area A requirement of the pre-2012 general education requirements unless specifically marked otherwise. Refer to the Program of Study to confirm which courses satisfy Fall 2012 core curriculum requirements.

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## C O U R S E S

### DEPARTMENTAL

#### 1 Perceiving the Performing Arts

Professional artists in the fields of dance, music and theatre introduce students to the fundamental concepts of their respective disciplines. Students go to Bay Area performances in each art form studied. Team taught. *Satisfies Artistic Understanding (Analysis) of the Core Curriculum.*

#### 60/160 Special Topics in Performing Arts

Offered every other year, this course covers in depth a specific aspect of the performing arts only touched on in other classes. Rotating topics include such things as: African-American Dance, Dance and Film, Great Composers, Acting on Stage and Screen, Directing for the Stage, and Theatre and Social Justice. Although this upper-division class is open to all interested students without prerequisite, prior completion of **Performing Arts 1** strongly recommended.

#### 197 Special Study

An independent study, internship or research course for students whose needs are not met by the regular course offerings of the department. *Permission of the chair and instructor required.*

#### 198 Senior Project

During their senior year, majors in dance, music or theatre, under the supervision of a faculty member, are required to develop a project that demonstrates their expertise and creativity. The project may take the form of a solo performance, involvement with a performing arts group off campus, a substantive essay, or directing/choreographing a student production. Written proposal must be approved by the appropriate program director prior to registration for the academic year in which the project will occur. *Prerequisite: Completion of all lower-division major courses.*

### DANCE

#### 70/170 Commercial Dance Courses

Beginning through advanced studio instruction in dance including, Jazz, Tap, Hip-hop, and Ballroom/Social Dance. *Satisfies Artistic Understanding (Creative Practice) of the Core Curriculum.*

#### 71/171 Somatic Dance Courses

Beginning through advanced studio instruction in Yoga and Pilates.

#### 71/172 World Dance Courses

Beginning through advanced studio instruction in African, Ballet Folklorico, Latin, and Tai Chi. *Satisfies Artistic Understanding (Creative Practice) of the Core Curriculum.*

### DANCE TECHNIQUE COURSES REQUIRED OF THE MAJOR OR MINOR IN DANCE

#### 75/175 Modern/Contemporary Dance Courses

Beginning through advanced studio instruction in Modern/Contemporary Dance listed as **Dance Company I, II, III, or IV**. *Satisfies Artistic Understanding (Creative Practice) of the Core Curriculum.*

#### 76/176 Ballet Technique Courses

Beginning through advanced studio instruction in Ballet, listed as **Ballet I, II, III, or IV**. **Ballet IV** includes work on pointe. *Satisfies Artistic Understanding (Creative Practice) of the Core Curriculum.*

#### 77/177 Technique Lab

Beginning through advanced studio instruction Ballet or Modern/Contemporary Dance in a workshop setting. *Satisfies Artistic Understanding (Creative Practice) of the Core Curriculum.*

### CHOREOGRAPHY AND PERFORMANCE COURSES

#### 90 Choreography I and Choreography I Lab

This course begins the study of making dances while focusing on the solo and duet form. Students will learn the basic tools of choreography including: symmetry and asymmetry, phrasing, dynamics, rhythm, motivation, and music. Through intense use of structured improvisation, and movement assignments, students will discover further ways to generate movement and expand their own movement vocabulary. Students will be asked to take risks and create challenges to enable experimentation and innovation. The course will encourage the student to make conscience choices to clearly deliver their messages through dance. This course will also introduce the use of metaphor and gesture. *Satisfies Artistic Understanding (Creative Practice) of the Core Curriculum.*



**190 Choreography II**

This course explores how to make dances group dances. Through intense use of improvisation, and movement assignments, students will discover further ways to generate movement and expand their own movement vocabulary. Students will be asked to take risks and create challenges to enable experimentation and innovation. The course will encourage the student to make conscience choices to clearly deliver their messages through dance. This course will also discuss the use of metaphor, music, and theme development. *Prerequisite: Perfa 90 or a Jan Term Choreography class.*

**191 Advanced Choreography**

The advanced choreography class continues the study of how to make dances. Based on the basic design elements of dance making, the students will discover further choreographic strategies to create solo and group dances. Students will be asked to take risks and create challenges to enable experimentation and innovation. The subject matter for this course will vary depending on the professor. Possible topics of study include but are not limited to site-specific work, dance and video/film, Laban movement concepts. *Prerequisite: Perfa 190.*

**192 Dance Company Rehearsal/Repertory**

This course prepares students for the annual spring dance concert through weekly rehearsals. Open to Saint Mary's College Dance Company members only, the students will have the opportunity to learn new works created for the company and/or existing repertory pieces by current dance faculty and/or guest artists. *Enrollment is by audition only.*

**195 Dance Production**

Onstage and backstage preparation for the annual spring dance concert including all informal showings, technical and dress rehearsals, and final performances both on and off campus.

**DANCE HISTORY AND THEORY COURSES**

**182 Dance History I**

This course examines the emergence of ballet as an art form in the West from its roots in Greek drama and theatre, to court dancing of the 16th and 17th centuries, the Romantic period of the 19th century, to the development of modern dance in the early 20th century. Students take a close look at the socio-political, historical, and feminist context of the history of dance. This class is a requirement for Dance majors and minors. *Prerequisite: Perfa 1.*

**183 Dance History II**

This course continues the discussion of dance in a socio-political, historical, and feminist context examining the emergence and development of modern dance. Students will explore dance from the roots of ballet with the Ballet Russes, to modern dance, the post-modern movement, and finally to the contemporary forms of the late 20th and early 21st century. This class is a requirement for Dance majors and minors. *Prerequisites: Perfa 1 and Perfa 182.*

**184 Dance in Performance**

This course examines dance from a critical perspective with a multicultural socio-political, historical, and feminist lens. We will begin with a discussion of the art form by asking "What is dance?" and this will lead us to the questions: How do we talk about dance? How do we write about dance? How is dance related to culture? The class will attend dance concerts in the Bay Area followed by discussion and critique of the work in seminar format. This class is a requirement for Dance majors and minors. *Prerequisite: Perfa 1.*

**MUSIC**

**10 Rock to Bach: Introduction to Music**

Students in this class cultivate the ability to listen more deeply. They study the evolution of classical music, jazz, blues and early rock through exposure to more than three dozen composers—from Bach to Miles Davis to Little Richard. *Satisfies Artistic Understanding (Analysis) of the Core Curriculum.*

**11 Music Fundamentals**

Students learn to read musical notation and study the basic construction of music through scales, key signatures, chords, and the relationship between melody and harmony.

**12 Applied Music (.25)**

Beginning and intermediate levels. May be repeated for credit every semester. Does not satisfy an Area requirement of the pre-2012 general education requirements. *Satisfies Artistic Understanding (Creative Practice) of the Core Curriculum.*

**14 World Music and Dance**

A survey of music and dance from China, Japan, India, Indonesia, Africa, the Middle East, and Latin America. *Satisfies both the Diversity and the Area A requirement of the pre-2012 general education requirements. Satisfies Artistic Understanding (Analysis and Creative Practice) of the Core Curriculum.*

**19 Performing Ensembles (.25)**

Glee Club and Chamber Singers, Voice of Broadway, Jazz Band, Chamber Musicians, Orchestra or Wind Symphony. Admitted by audition. May be repeated for credit every semester. *Satisfies Artistic Understanding (Creative Practice) of the Core Curriculum.*

**110 Medieval and Renaissance Music (.5)**

An examination of various aspects of music from the Middle Ages through the 16th century, with a focus on musical forms, vocal and instrumental technique, and performance contexts.

## Curriculum Performing Arts: Dance, Music, and Theatre

### 111 Music and Romanticism

The evolution of symphony, concerto, opera, solo repertoire, and other nineteenth-century musical developments are examined through the major works of Beethoven, Berlioz, Chopin, Brahms, Wagner, Mahler, Dvorak, and other composers. All the music is examined through the lens of Romanticism, a cultural movement that swept through the entire nineteenth century and informed all the arts. *Satisfies Artistic Understanding (Analysis) of the Core Curriculum.*

### 112 Private Music Instruction Lab (.25)

Performing arts majors, minors or students enrolled in **Perfa 19** receive private instruction in most orchestral instruments, piano, voice, classical guitar or jazz guitar. Each student participates in a weekly master class. May be repeated for credit every semester. *Does not satisfy an Area requirement of the pre-2012 general education requirements.*

### 113 Jazz and Blues in America

An examination of the development of jazz and blues in the United States from 19th-century precursors to the present. Major artists and trends are studied through directed listening and analysis of the cultural context from which they arose. *Satisfies both the Diversity and the Area A requirement of the pre-2012 general education requirements. Satisfies Artistic Understanding (Analysis) of the Core Curriculum.*

### 114 Music Theory/Ear Training

Students learn basic principles of harmony (chords) and voice-leading, improve their music-reading skills, learn how to notate simple melodies, and identify types of chords and intervals by ear. Ability to read music is required before enrolling in this class. *Prerequisite: Perfa 11 or permission of instructor.*

### 115 Music in Performance

This course emphasizes the history and aesthetics of music by attending live concerts throughout the Bay Area. Students hear music from all historical periods performed by outstanding orchestras, opera companies, chamber ensembles, and soloists in a variety of concert halls. *Prerequisite: Performing Arts 1.*

### 116 Keyboard Harmony (.25)

Oriented for music majors and other advanced musicians, Keyboard Harmony teaches students to apply their knowledge of music theory to the keyboard. They learn to play common chord progressions and accompaniment patterns in all twenty-four major and minor keys, and are introduced to open score reading (such as playing a choral or string quartet score), and learning to transpose easy melodies at sight into various keys.

### 117 Form and Analysis

Combines the study of chromatic harmony with analysis of scores to determine the unity of form and content in selected compositions: e.g., a Bach fugue, a Mozart concerto, a Brahms symphony, a 20th-century atonal work. *Prerequisites: Perfa 114.*

### 118 Twentieth-Century Composers

Students will become familiar with the 20th century's most important classical music composers such as Stravinsky, Bartok, Copland, Debussy and Cage, as well as the music and aesthetics of living composers. *Satisfies Artistic Understanding (Analysis) of the Core Curriculum.*

### 119 Music and the Enlightenment (.5)

This course examines the evolution of opera, fugue, symphony, and other forms through the works of Bach, Handel, Mozart, Beethoven and other composers. It explores how the intellectual and political values of the 17th and 18th centuries were conveyed through music.

## THEATRE: PERFORMANCE AND THEATRE STUDIES

### 30 Foundations of Theatre I

A survey of major historical developments in theatre, from its ritual origins to the rise of the modern era.

### 33 Acting I: Principles of Performance

An introduction to the theory, history, and styles of realistic acting with emphasis on personalization, script analysis and the dynamics of performance. *Satisfies Artistic Understanding (Analysis and Creative Practice) of the Core Curriculum.*

### 36-01 Theatre Masterpieces: Modern Drama (.5 each)

### 36-02 Theatre Masterpieces: World Drama (.5 each)

Discussion and analysis of masterworks of dramatic literature. A global perspective showcases playwrights working in diverse styles, eras and traditions. May be repeated for credit as play selection varies.

### 37 Theatre Performance Lab (.25)

Introductory hands-on training in specific performance skills: for example, audition techniques, stage combat, Suzuki physical theatre or voice for the actor. May be repeated for credit as topic varies. *Does not satisfy an Area requirement of the pre-2012 general education requirements. Satisfies Artistic Understanding (Creative Practice) of the Core Curriculum.*

### 50 Theatre for Social Change: Interactive Theatre

This course is designed to lead actors and non-actors through a process of creating social change around issues pertinent to their own lives through various forms of performative activism. The course focuses on student leadership, addressing issues of power, privilege, social identity and structures of oppression through community building, intergroup dialogue, and oppression awareness activities. Students write and produce short plays, developing expressive skills and helping them become more comfortable performing onstage and improvising in life. *Satisfies Artistic Understanding (Analysis and Creative Practice); Common Good; and Community Engagement of the Core Curriculum.*

**130 Foundations of Theatre II**

A continuation of the survey of major developments in theatre begun in Foundations I. This course pays special attention to the rise of modern theatre, contemporary forms of theatre and various performance theories. *Prerequisite: Foundations I [Perfa 30] or consent of instructor.*

**132 Play in Production** (.25, .5 or 1.0 credit courses)

Quarter, half or full credit is available for participation in theatre mainstage productions and workshop projects as a performer. Required for majors and minors, but open to all interested students. *Does not satisfy an Area requirement of the pre-2012 general education requirements.*

**133 Acting II: Characterization and Scene Study**

A continuing exploration of the tools and techniques used to bring a character to life onstage. Emphasis is given to the development of the actor's instrument—body, voice, emotion and imagination—while partner and ensemble exercises build toward the performance of scripted scenes. *Prerequisite: Acting I [Perfa 33] or consent of instructor.*

**135 Theatre in Performance: Bay Area Theatre**

A critical engagement with current theatre productions and practices. Students attend performances throughout the Bay Area, while studying the contributions made to each production by the playwright, director, designers and actors. *Prerequisite: Perceiving the Performing Arts [Perfa 1] or Acting I [Perfa 33] or Foundations I [Perfa 30].*

**136 Theatre: Special Studies**

An intensive study of a selected era, genre or movement particularly rich in theatrical significance. Analysis, research and concentrated writing practice are key components of the course. Recent topics have included Modern Theories of Acting, Contemporary Women Playwrights and History of American Musical Theatre. May be repeated as content changes. *Prerequisite: Foundations II [Perfa 130] or consent of instructor.*

**137-01 Acting III (.5)**

Students learn advanced performance skills through specially focused work such as Shakespearean scene study, comic and dramatic monologues, and the challenges of period style. May be repeated for credit as topic varies. *Prerequisites: Acting I and II [Perfa 33 and 133] or consent of instructor.*

**137-02 Acting III Lab (.5)**

Acting III students co-enroll in this required lab.

**161 Theatre and American Cultures (Multicultural Performance)**

By studying the contributions of theatre and performance artists, this course addresses the shared national legacies of the United States. The theory of intersectionality is used to examine the ways that gender, sexual orientation, race, class, religious affiliation, and physical ability impact individual and collective identity formation. While increasing their awareness of major contemporary artists, students also learn critical performance methodologies through projects exploring moments of identity recognition. These projects use theoretical models from dance/movement/spoken work composition to explore family histories and individual experiences. *Prerequisites: Perceiving the Performing Arts [Perfa 1], and Acting I [Perfa 33] or Foundations I [Perfa 30].*

**162 Directing for the Stage**

This course offers an experiential investigation of the art of directing for the stage. The focus is on the development of such skills as composition and the use of theatrical space; picturization and stage imagery; dramaturgy and historical research; and script analysis and textual interpretation. Students also gain experience in casting and development of a production concept, collaboration and communication, ensemble development, and the creation of "style." In addition to imparting these skills, the course asks students to think as directors and to bring diverse aspects of their own identities to the work. *Prerequisites: Perceiving the Performing Arts [Perfa 1], and Acting I [Perfa 33] or Foundations I [Perfa 30].*

**THEATRE: TECHNICAL THEATRE AND DESIGN**

**47 Technical Theatre/Design Lab**

An introductory hands-on training in specific technical theatre/design skills: for example, theatrical management, computer programs for technical theatre, lighting techniques, professional issues, etc. May be repeated for credit as topic varies. *Does not satisfy an Area requirement of the pre-2012 general education requirements.*

**48 Stagecraft (.5)**

Students learn the fundamentals of stagecraft from the first design meetings to the closing of a show, with emphasis on the responsibilities of each member of the production staff. Instruction is given in the use of theatrical equipment, and both hand and power tools, as lab hours are spent building sets and props for a mainstage production. *Does not satisfy an Area requirement of the pre-2012 general education requirements.*

**140 Stage Management (.5)**

A course in the responsibilities and functions of a stage manager, from the first rehearsal through opening night and beyond. Students develop the skills to run a show in an efficient and positive manner. *Prerequisite: Stagecraft [Perfa 48].*

## Curriculum Performing Arts: Dance, Music, and Theatre

### 142 Performing Arts In Production (.5 or 1.0)

Half or full credit is available for participation in the technical support of theatre and dance productions and projects. Students will be introduced to and expected to learn elements of stagecraft, lighting, costuming, marketing, front of house etc., including being on the running crew for the actual productions. Required for majors and minors, but open to all interested students. *Does not satisfy an Area requirement of the pre-2012 general education requirements.*

### 143 Production Management for Dance (.25)

In this course students are taught the basics of dance production from the point of view of producer and production manager. The objective of this course is to give choreographers the tools to produce their own concerts. From selecting a venue to writing a press release students will not only fully produce and manage the fall dance concert but will also be prepared to put forward their own work after graduation. (Required for Dance Majors open to all students). *Does not satisfy an Area requirement of the pre-2012 general education requirements.*

### 144 Design for Dance (.25)

In this course students are taught the basics of technology and design for dance. The objective of this course is to give choreographers a vocabulary with which to communicate with designers, stage managers, and production crews. By the end of this course students will be able to light the work of other choreographers as well as their own choreography. Students enrolled in this course develop all designs for the fall mainstage dance concert. (Required for Dance Majors but open to all students). *Does not satisfy an Area requirement of the pre-2012 general education requirements.*

### 148 Stage Lighting Design (.5)

A concentrated advanced study of lighting for the theatre—from learning the technology and providing basic visibility, to understanding how to “paint” with light while enhancing a production’s emotional and artistic impact. Students participate in the semester’s mainstage production and develop design projects of their own. *Prerequisite: Stagecraft [Perfa 48]. Does not satisfy an Area requirement of the pre-2012 general education requirements.*

### 149-01 Design for the Stage (.5)

A concentrated study of scenic and prop design for the theatre. Students follow the process of designing for the mainstage production while working on design projects of their own. Special focus is placed on drawing skills, research, mixing colors and stage terminology. *Prerequisite: Stagecraft [Perfa 48]. Does not satisfy an Area requirement of the pre-2012 general education requirements.*

### 149-02 Design for the Stage: Costume Design (.5)

A concentrated study of costume for theatre. Students follow the process of designing for the mainstage production while working on design projects of their own. Special focus is placed on rendering skills, research, and design presentations. *Prerequisite: Stagecraft [Perfa 48]. Does not satisfy an Area requirement of the pre-2012 general education requirements.*

## PHILOSOPHY

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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, Ph.D., *Professor, Chair*  
 Brother William Beatie, FSC, Ph.D., *Professor*  
 Steven Cortright, M.A., *Professor*  
 John A. Dragstedt, Ph.D., *Professor*  
 Wayne H. Harter, Ph.D., *Associate Professor*  
 Edward Porcella, Ph.D., *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 context.
- 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.

## Curriculum Philosophy

### MAJOR REQUIREMENTS

#### LOWER DIVISION

Philosophy 10 or 11 is required of all students.

#### UPPER DIVISION

The major in philosophy requires eight upper-division courses. The 130–131 and 135–136 sequences are required of all majors. In addition, all majors elect at least one course from **Philosophical Topics: 108, 109, 110, 111, 113, 114, 115, 116, 117, 118, 133, 134**, and from **Authors/Schools: 160, 170, 172, 174, 176, 178**, and elect one further course from either category or undertake an approved **197 Special Study** or **199 Honors course**. In the senior year, candidates for the degree undertake an approved **196/198 Senior Thesis**.

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).

### MINOR REQUIREMENTS

The minor in philosophy requires one lower- (10 or 11), and four upper-division courses (the 130–131 sequence or the 135–136 sequence, and one course from each of the categories, Philosophical Topics and Authors/Schools).

#### PREREQUISITE GRADE

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

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### C O U R S E S

#### LOWER DIVISION

##### 5 Practical Logic

A course in the analysis and evaluation of everyday arguments. Recognition of patterns of argumentation, fallacies and ambiguities in English is stressed. This course aims primarily at refining and disciplining the student's natural ability to think critically. May not be counted for major credit.

##### 10 Plato and Philosophical Inquiry

Study of Plato's *Republic* or of selected Platonic Dialogues with a view to such questions as: What is philosophy? What is the act of philosophical inquiry? What makes for a philosophical question, or for a philosophical answer? *Satisfies Common Good of the Core Curriculum.*

##### 11 Aristotle and Philosophical Method

Study of selected texts of Aristotle with a view to such questions as: What are the objects and associated methods of philosophical inquiry? Are there distinct kinds or divisions of philosophy? In what sense or senses may philosophy qualify as science? *Satisfies Common Good of the Core Curriculum.*

#### UPPER DIVISION

##### PHILOSOPHICAL TOPICS

##### 110 Philosophy of Religion

A phenomenological study of man that seeks to discover the essential structure of the human phenomenon of religion through its various manifestations. Consideration is given to the ultimate meaning of human existence and those common principles rooted in man that give rise to religion. The orientation of the course is philosophical and considers religion as involving both man and God. *Satisfies Theological Understanding (Explorations) of the Core Curriculum.*

##### 111 Philosophy of Art

An analysis of doing and making, of truth, good, beauty, the visible and invisible, of figure and finality, as these reveal the intellectual and spiritual universes disclosed by painters, sculptors, poets, etc. *Satisfies Artistic Understanding (Analysis) of the Core Curriculum.*

##### 113 Contemporary Problems in Ethics

A study of the ethical aspects of such contemporary problems as personal freedom, personal rights, civil disobedience and situation ethics.

##### 114 Philosophy of Law

A study of the philosophy of law from Sophocles' *Antigone* through the great thinkers of the Middle Ages, giving particular attention to the notion of natural law of Thomas Aquinas.

##### 115 Modern Legal Philosophy

The philosophy of law from Thomas Hobbes and John Locke to Marxism and contemporary legal positivism.



**116 Political Philosophy**

An investigation of the philosophical development of the notion of the “state;” “man’s relationship to the state;” and “forms of government.”

**117 Philosophy of Nature**

Raises the question of the possibility of a knowledge of nature that is independent of the quantification and mathematical methods of the “physical” sciences.

**118 Theory of Knowledge**

A study of the human approach to the nature of being, through an analysis of the works of Sartre, Descartes, Kant, Hegel, Aristotle and Thomas Aquinas. Particular emphasis on the philosophical method and the practice of reflection.

**130–131 Ethics**

An investigation of the difference between good and evil and between virtue and vice; of the relationship of virtue to choice, to knowledge, to power, to pleasure, to happiness; of the relationship of the human person to God, to nature, to society; of the relationship of responsibility to freedom and necessity. Texts (130) by Plato and Aristotle, the Bible, and Aquinas and (131) by Machiavelli, Hobbes, Locke, Rousseau, Hegel, Kant and Nietzsche. Philosophy 130 is prerequisite to 131. *Satisfies Theological Understanding (Explorations) and Common Good of the Core Curriculum.*

**133 The Art of Logic**

A study of classical logic with reference to primary texts. Logic is approached as the art of attending to and refining the acts of the discursive intellect—definition, predication, and argument (reasoning—in its coming to know). Among the major topics considered: signification, categories, predicates, categorical and complex propositions, syllogistic, induction, formal and informal fallacies.

**135–136 Metaphysics**

A study, through close reading, discussing and writing, of “metaphysical” texts of (135) Plato and Aristotle (and, through them, of Parmenides and Heraclitus); and (136) of Thomas Aquinas and Hegel (with some attention, as time permits and inclination prompts, to texts of one or more of the following: Descartes, Kant, Wittgenstein, Heidegger). *Philosophy 135 is prerequisite to 136.*

**AUTHORS AND SCHOOLS**

**160 A Critical Reading of the Principal Works of a Single Major Author or School of Philosophy**

Such philosophers will be chosen as Plato, Aristotle, Thomas Aquinas, Descartes, Hume, Kant, Hegel and Heidegger. A “school” of philosophy, e.g., Empiricism, Rationalism, Idealism, is offered from time to time. May be repeated for credit as content varies.

**170 Contemporary Philosophy**

A study of a major philosopher or “school” of the contemporary period. Course may be repeated for credit as content varies.

**172 Existentialism**

Readings and discussions of some of the principal existential philosophers of the Continent, such as Kierkegaard, Camus, Sartre and Heidegger.

**174 Greek Philosophy**

A study of the full range of Greek philosophical thought from its pre-Socratic origins to its Neoplatonic conclusion. Platonic, Aristotelian, Cynic, Sceptic, Stoic and Epicurean Schools are examined through their texts, in historical context and evolution.

**176 Medieval Philosophers**

A consideration of the metaphysical and world view of major philosophers of the medieval period such as Saint Augustine and Thomas Aquinas. Course may be repeated for credit as content varies.

**178 Renaissance Philosophers**

A survey of major thinkers and artists from early 14th century to 16th century. The concern will be with questions of God, man and the world, and the contrast of the world of the Middle Ages and the beginning of the modern world.

**196 Senior Thesis / 198 Senior Thesis — Honors**

Candidates for the degree arrange, in the fall or spring of the senior year, a program of reading and research on a topic in modern/contemporary philosophy under a department director, and compose a lengthy senior thesis, which is presented publicly at a departmental meeting. Directions for proposing the thesis and a catalog of library resources are available from the chair.

**197 Special Study**

An independent study or research course for students whose needs are not met by the regular course offerings of the department. *Permission of the department chair and instructor required.*

**199 Special Study — Honors**

An independent study or research course for upper-division majors with a B average in philosophy. *Permission of the department chair and instructor required.*

## PHYSICS AND ASTRONOMY

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Physics in this century has become a complex endeavor reflecting many centuries of experimentation and theory. It is an enterprise conducted by men and women 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. The physics major is designed for students who wish to pursue graduate study or gain employment in industry or government service. In addition to offering a bachelor of science degree in physics, the Department of Physics and Astronomy also offers a degree concentration in astrophysics and a physics minor.

### FACULTY

Jessica C. Kintner, Ph.D., *Professor, Chair*

Ronald P. Olowin, Ph.D., *Professor*

Chris M. Ray, Ph.D., *Professor*

Mari-Anne M. Rosario, Ph.D., *Associate Professor*

John Waddell, M.S., *Associate Professor, Emeritus*

Roy J. Wensley, Ph.D., *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

#### LOWER DIVISION

Physics 1, 2 (lab), 3, 4 (lab), 60

Mathematics 27, 38, 39

Computer Science 21

#### UPPER DIVISION

All majors must take Physics 105, 110, 125, 181, two elective upper-division physics courses, and Math 134. The concentration in astrophysics requires Physics 105, 110, 125, 181, 170, 173, 185, and Math 134.

### MINOR REQUIREMENTS

Physics 1, 2 (lab), 3, 4 (lab), 60; Mathematics 27, 38, 39 and three elective upper-division physics courses.

### PREREQUISITE GRADE

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

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## COURSES

### LOWER DIVISION

#### 1 Introduction to Physics I

This course is the first in a two-part sequence and is designed for students majoring in physics, chemistry and mathematics, and for students preparing for an engineering program. The sequence introduces students to topics in Newtonian mechanics, vibrations and oscillations, waves and sound, thermodynamics, electricity, magnetism, simple circuits and optics (geometrical and wave). Four lectures weekly. Concurrent enrollment in **Physics 2 (lab)** is required. *Prerequisite: Math 27 (may be taken concurrently). Satisfies Scientific Understanding of the Core Curriculum.*

#### 2 Introduction to Physics I Laboratory (.25)

Students gain hands-on experience with the topics discussed in **Physics I**. Additionally, students are introduced to methods of experimentation in physics including good measurement techniques, simple data analysis and scientific writing. Concurrent enrollment in **Physics I** is required. Laboratory fee required.

#### 3 Introduction to Physics II

Continuation of **Physics I**. Four lectures weekly. Concurrent enrollment in **Physics 4 (lab)** is required. *Prerequisites: Physics I and Math 38 (may be taken concurrently).*

#### 4 Introduction to Physics II Laboratory (.25)

Students explore the concepts of **Physics 3** in a laboratory setting. Concurrent enrollment in **Physics 3** is required. Laboratory fee required.

### 10 General Physics I

This course is the first in a two-part sequence. The sequence introduces the student to the conceptual framework of physics, and the phenomenology of mechanics, fluids, waves, thermal physics, electricity, magnetism, optics and modern physics. In comparison with the Introduction to Physics sequence this course chooses breadth over depth, and is expected to be more suited to needs of life science students. Three lecture hours and one lab per week. Laboratory fee required. *Prerequisite: Math 27.*

**11 General Physics II**

Continuation of **Physics 10**. Three lecture hours and one lab per week. Laboratory fee required. *Prerequisite: Physics 10.*

**40 Revolutions in Science**

This course is intended to introduce the methods and ideas of science. Students gain an appreciation for the scientific “way of knowing” by learning how phenomena in nature are observed and catalogued, and how general principles are deduced from observations. Concurrent enrollment in **Physics 41** is required. *Satisfies Scientific Understanding of the Core Curriculum.*

**41 Revolutions in Science Laboratory**

Laboratory to accompany **Physics 40**. Must be taken concurrently with that course. Meets every other week. Laboratory fee required.

**60 Modern Physics**

The discoveries and methods of physics developed in the 20th century will be studied. Relativity, statistical physics, and quantum mechanics are the main topics. Applications including molecular, condensed matter, nuclear and particle physics are stressed. *Prerequisite: Physics 3.*

**90 Introduction to Astronomy**

This introductory course presents a comprehensive and balanced view of what is known about the heavens. Aimed at the non-specialist, the course gives a description of astronomical phenomena using the laws of physics. The course treats many standard topics including planets, stars and galaxies to more esoteric questions concerning the origin of the universe and the search for extraterrestrial intelligence. *Prerequisites: One year each of high school algebra I, II and geometry. Concurrent enrollment in Physics 91 is required. Satisfies Scientific Understanding of the Core Curriculum.*

**91 Astronomy Laboratory (.25)**

Laboratory to accompany **Physics 90**. Exercises include experiments in a laboratory setting, observations using the campus observatory and telescopes, and field trips to local observatories and/or planetariums. Laboratory fee required.

**UPPER DIVISION**

**Physics 3 and Math 39** are prerequisites for all upper-division physics courses.

**105 Analytical Mechanics**

This course covers the principles of particle dynamics. Topics include rigid body dynamics, Lagrange’s equations, Hamilton’s principle, wave propagation, and normal modes of vibration in oscillating systems.

**110 Electricity and Magnetism**

Electrical and magnetic concepts are studied using static and dynamical field concepts. Maxwell’s equations are emphasized. Topics include electrostatics, electrodynamics, magnetism and electromagnetic waves.

**115 Thermal and Statistical Physics**

This course covers the laws of thermodynamics and statistical physics. Topics include temperature, work, heat transfer, entropy, phase transitions, Maxwell’s relations, the kinetic theory of gases, partition functions and particle statistics.

**125 Quantum Mechanics**

Introduction to the theoretical foundations of quantum theory. Using the Schrödinger and Heisenberg formulations of the harmonic oscillator, the hydrogen atom, the theory of quantized angular momentum and scattering are studied. The concepts of Hilbert space, operators, commutation relations and the Heisenberg uncertainty principle are included. *Prerequisites: Mathematics 134 and Physics 60.*

**140 Special Topics in Advanced Physics**

Focus on variable topics such as particle physics, solid state physics, optics or numerical methods of physics. May be repeated for credit as content varies.

**170 Astrophysics**

A study of the internal constitution of stars and stellar systems from the point of view of atomic and nuclear physics. The basic equations of Saha and Boltzman are used to solve the appearance of observed stellar spectra and the differential equations of continuity and state to interpret the physical properties of stellar structures.

**173 Cosmology**

Using a historical approach, this course studies how humankind has come to understand the origin and structure of the universe. The course begins with studies of ancient cosmologies, such as those from Egypt, Ancient Greece, Pre-Columbian America and the Orient. This sets the stage for the revolution in understanding brought about by Copernicus, Kepler, Galileo and Newton. This fascinating journey is carried through to the present by studying modern astrophysics including topics such as relativity, black holes, stellar evolution and the Big Bang.

**180 Experiments in Modern Physics**

Students discuss and perform the experiments that demonstrate and investigate the principles of 20th-century physics. Experimental topics include the photoelectric effect, the Franck-Hertz experiment, x-ray diffraction, solid state materials, nuclear spectroscopy and holography. This course meets for two laboratory sessions and one lecture session each week. Laboratory fee required. *Prerequisite: Physics 60.*

**181 Electronics and Instrumentation**

Students study the properties of various circuit components and use them in scientific applications. Topics include linear DC and AC circuits, diodes, transistors, operational amplifiers and photoelectronic devices. Meets for two laboratory sessions and one lecture session each week. Laboratory fee required.

## Curriculum Physics and Astronomy

### 185 **Observational Astronomy and Astrophysics**

A laboratory course based on the attempt to model, simulate and interpret observational data derived from astronomical observations. Included are interpretations of stellar photographs and spectra, measurements of various stellar parameters and quantities that give rise to our understanding of stars as physical systems. Laboratory fee required.

### 196 **Senior Essay** (.25)

Independent study of a topic beyond the common course content. Open only to majors in the spring term of their junior year or fall term of their senior year. The essay is evaluated by a committee consisting of the faculty supervisor and two other faculty chosen in consultation with the student. *Permission of the department chair is required.*

### 197 **Special Study**

Independent study or research of topics not covered in listed courses. *Permission of the department chair is required.*

### 199 **Special Study – Honors**

Independent study or research for majors with at least a B average in physics. *Permission of the department chair is required.*

## POLITICS

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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 five fields: American government, political theory, international relations, public administration and comparative politics. The department advises students to divide their work among the five 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 or philosophy.

The politics major is not designed as a vocational major. It provides a liberal arts education that fosters responsible civic engagement and an appreciation of diverse political cultures and identities. It prepares students for careers in government service, international affairs, secondary school teaching, 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.

Students who expect to pursue graduate study in politics should note that knowledge of foreign languages and/or statistics is usually required for a graduate degree. Knowledge of modern 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. A similar arrangement with the California State University in Sacramento provides an opportunity to study California state government. Students majoring in politics may also participate in the Model United Nations Conference held each year at Harvard University.

### FACULTY

Patrizia Longo, Ph.D., *Professor, Chair*  
 Hisham Ahmed, Ph.D., *Professor*  
 Ronald Ahnen, Ph.D., *Associate Professor*  
 David Alvarez, Ph.D., *Professor*  
 Miriam Murase, Ph.D., *Lecturer*  
 Jack R. Rasmus, Ph.D., *Lecturer*  
 Stephen Sloane, Ph.D., *Associate Professor*  
 Melinda R. Thomas, J.D., *Associate Professor*  
 Susan C. Weissman, Ph.D., *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.
- **DEMONSTRATE** substantive knowledge of: a) political theory and structure, b) dynamics of political conflict, and c) historical and cultural contexts of political events.
- **PRODUCE** clear and effective analysis of significant political issues.
- **DEMONSTRATE** understanding of, and proficiency in, use of standard research techniques relevant to political science issues.
- **DEVELOP** a commitment to civil engagement.

### MAJOR REQUIREMENTS

#### LOWER DIVISION

Politics 1, 2, 3, 4

#### UPPER DIVISION

One course in American politics, one course in political theory, one course in international politics, and one course in comparative politics to be selected only from the corresponding lists below. In addition, students must take any five additional politics courses.

Group I American Politics: 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 130, 133, 135, 136

Group II Political Theory: 111, 112, 113, 114, 115, 116

Group III International Politics: 120, 121, 122, 123, 124, 125, 126/127

Group IV Comparative Politics: 140, 141, 143, 144, 145, 146, 147, 148, 149

The department faculty recommend that students taking an upper-division course in comparative politics complete **Politics 1** first, or international politics; **Politics 1** or **2** is recommended first; for American politics, **Politics 2** is recommended first; and for political theory, **Politics 3** is recommended first.

### MINOR REQUIREMENTS

The minor in politics requires six (6) courses: any two of the four lower-division politics courses (**POL 1**, **POL 2**, **POL 3**, **POL 4**); 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.

#### PREREQUISITE GRADE

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

### C O U R S E S

#### LOWER DIVISION

##### 1 Introduction to Comparative Politics

A comparative survey of politics in countries and regions other than the United States. Focus is on political culture and socialization, socio-economic structure and class interests, government institutions and electoral processes, political parties, and major shifts in public policy. Themes of globalization, social justice and democratization are emphasized. Case studies vary, but may include Great Britain, Japan, Russia, Mexico and Nigeria. *Satisfies Social, Historical, and Cultural Understanding and Common Good of the Core Curriculum.*

##### 2 Introduction to American Politics

Survey of the principal institutions and processes of the American political system. Topics include constitutional origins and development, political parties, elections, Congress, presidency, bureaucracy and the federal courts.

##### 3 Introduction to Political Thought

A survey of the great political ideas and ideologies that have shaped the history of politics. Topics include core political concepts such as liberty, justice and equality, as well as organized belief systems such as liberalism, conservatism and socialism. Students learn to analyze and evaluate political values and to apply them to practical political problems.

##### 4 Introduction to International Relations

In this introductory course, we will explore the different theoretical frameworks for the study of international politics. We examine how, why, and where the national interests of some actors collide and those of other actors coalesce.

#### UPPER DIVISION

##### 101 State and Urban Politics

Survey of current issues and problems in state and city government. Analysis of the evolutionary nature of such issues and problems through a comparison of the historical and contemporary experiences of cities and states. Topics include the distribution of power in the community; the organization of city government; state executive and legislative processes; and community responses to law enforcement, social welfare, education and taxation.

##### 102 Political Parties and Pressure Groups

An investigation into the theory and practice of political groups. Analysis of the nature of political behavior within and among groups through reading and discussion of classic texts on groups. Topics include the influence of the political environment on group activity; the roles of leaders and followers; the identification and pursuit of group goals; the organization and function of American political parties; and the phenomenon of party loyalty.



**103 Elections and Voting Behavior**

A study of the electoral process in America with emphases on the organization and conduct of elections, and the behavior of the electorate. Topics include campaign organization, primaries and nominations, the role of the media, the impact of issues and personalities, and electoral realignment. Depending on the year, the course will focus on presidential elections or the midterm congressional elections. **Politics 102** is not a prerequisite for this course.

**104 United States Public and Constitutional Law**

A study of landmark opinions of the United States Supreme Court in the context of the constitutional and political structures of American democracy. Significant topics of traditional and contemporary concern covered include the tension between authority of the federal government and states' rights, politics of the Supreme Court, issues arising out of the balance or imbalance of powers among branches of government, the right of judicial review, government regulation, and protections and limitations on civil rights. Legal analysis and legal reasoning are taught, as well as case analysis and application.

**105 Presidency and Congress**

An investigation of the institutional and behavioral characteristics of the presidency and the Congress. The course focuses upon the development of the office of the presidency, the nature and scope of presidential power, and the interaction of the presidency with the cabinet, bureaucracy, media, political parties and public opinion. It also considers the operation of the modern Congress through an examination of the committee system, congressional procedures and customs, and the relationship between the representative and the constituency.

**106 Politics of Labor**

A study of the American labor movement from its early economic militancy through its later political passivity to its renewed vigor in the present time. Topics include de-industrialization and the transformation of work, the changing gender, ethnic and racial composition of the work force, the plight of immigrants and undocumented workers, and how the employer offensive and labor laws affect unionization. We also look at student-labor relations, labor and the environment, the role benefits play in contract negotiations and strikes, the impact of globalization on labor, and the struggle to democratize the unions. The readings chronicle and analyze the history of the American labor movement, study the connections between labor struggles and politics, and how labor is perceived by the larger public. A special feature of this course is a series of speakers from the labor movement who address the issues they face.

**107 American Legal Institutions**

This course addresses what the United States Constitution, courts, judges, attorneys, and scholars tell us about such profoundly complex legal, political, and moral issues as whether California can ban same-sex marriage, whether Arizona can regulate immigration, what the proper and improper role of the court system is in forming public policy, and how political power is distributed in America. We explore the meaning, and the price, of full citizenship in our democratic and pluralist American republic. This course examines the story of how our government and "We the People" have struggled, and still struggle, to fulfill the common good and realize the American dream of liberty and justice for all.

**108 CIA and the Intelligence Community**

An investigation into the role of the intelligence community in the formulation and conduct of American foreign policy. The course focuses on the Central Intelligence Agency but also considers other members of the intelligence community such as the National Security Agency and the Defense Intelligence Agency. Topics include covert operations, intelligence collection and analysis, counterintelligence, and oversight and control of intelligence activities. *Offered in alternate years.*

**109 Topics in American Politics**

A detailed analysis of selected problems in American politics involving the investigation of such contemporary issues as campaign reform, morality in politics, executive-legislative relationships, the military in American politics, and legal-political issues of the intelligence apparatus. May be repeated for credit as content varies.

**110 Minority Politics**

An examination of the racial and ethnic dimensions of American politics. Topics include the growing diversity of the American population; government policies on civil rights, affirmative action and immigration; political participation by, and political conflicts among, racial and ethnic groups; and the impact of ethnic and racial subcultures on contemporary politics. *Offered in alternate years. Satisfies Community Engagement of the Core Curriculum.*

**111 Modern Political Thought**

Works by modern masters of political theory from the Protestant reformation up to the contemporary era are compared and contrasted. Topics include the alternative theoretical foundations of modern political movements and regimes. Students learn to evaluate and criticize political ideas and gain insight into contemporary political problems. *Offered in alternate years.*

**112 American Political Thought**

This course seeks to illuminate the philosophical antecedents to the foundations of the American government as well as the thought of the Founders themselves, and concludes with a review of some of the diverse views regarding the American political order. *Offered in alternate years.*

## Curriculum Politics

### 113 Political Psychology

This course surveys the relationship between psychological and political phenomena. Attention is given to classic works which have significantly shaped the field. Topics include theories of human nature, personality and politics, the nature of political beliefs and values, the psychology of political conflict, political leadership and decision-making. Psychoanalytic, behavioral, cognitive and humanistic perspectives are examined. *Offered at least once in a three-year period.*

### 114 Topics in Political Thought

A detailed investigation of selected problems in political thought. Topics such as freedom, equality, justice, authority, ideology, violence, political economy and political psychology are explored. May be repeated for credit as content varies. *Offered in alternate years.*

### 115 Theories of Justice

The course examines different theories of justice based on concepts such as "fairness," "equal treatment," and "getting one's due." These alternative theories are then applied to contemporary controversies concerning economic, racial, sexual and environmental justice and to current debates about such issues as immigration, euthanasia, abortion, and capital punishment. *Satisfies Common Good of the Core Curriculum.*

### 116 Political Polling and Survey Research

This course explores the theoretical basis of modern empirical methods of investigating political behavior. The course stresses the development of empirical theories of politics through the formation and testing of hypotheses. Emphasis is on the use of survey instruments, polling techniques and data analysis. Throughout the semester, students work in groups to complete a research project for a local nonprofit organization.

### 120 International Relations

Although the phenomenon of conflict and war has been the primary focus of international relations, the global political system remains lacking in organization and stability. Interstate violence and involvement of non-state actors and sub-state actors in armed conflict seems to be on the rise. On the other hand, attempts at political, economic, social, and environmental co-operation among states also continue, albeit at a slower pace. The course addresses this complex and mixed nature of modern international relations. The course examines schools of thought that have impacted analysis of international relations, including realism, liberalism, constructivism and feminism. The course explores theoretical frameworks of international relations in an attempt to understand how, why, and where the national interests of some actors collide and others coalesce.

### 121 International Political Economy

This course addresses the growing integration of national economies and financial systems worldwide and its consequence for national political institutions, policymaking, sovereignty and democracy. The course will focus on the evolution of international trade theory and policies since 1945, trends in foreign direct investment and the "securitization" revolution in international finance, and the evolution of transnational institutions (WTO, World Bank, IMF, etc.) and free trade mega-blocs (NAFTA-CAFTA, EU, etc.). Special focus is given to current and recent international financial crises and the impact of globalization on U.S. domestic economic policy, economic growth, income distribution, and the evolution of the corporate form of business. The course concludes with a review of the different responses and challenges to global economic integration today by environmentalist, worker-union, and other grass-roots civil society-based organizations. *Prerequisite: POL 004 or ECON 004 (or equivalent).*

### 122 Topics in International Politics

A detailed analysis of selected problems in international politics, involving case studies of major geographical regions such as Western Europe, Southeast Asia and the Middle East, together with a critical examination of the influence of contemporary ideologies on the behavior of nation states. May be repeated for credit as content varies. *Offered in alternate years.*

### 123 American Foreign Policy

An investigation of United States foreign policy in the post-World War II period, from the beginning of the Cold War to the present. Consideration of current political, economic, social and ecological problems that challenge developments in foreign policy, with special attention paid to political, economic and military policy priorities. Topics include unilateralism, military intervention, the role of human rights in foreign policy strategy, examining American interests and purposes in the war on terrorism, empire, war and occupation in Iraq, U.S. policy toward the Middle East as a whole; global trade issues (including the role of NAFTA, the IMF, WTO and FTAA), nuclear proliferation and defense policy, national conflicts, the continuing disintegration of the former Soviet Union and its impact on global issues.

### 124 Defense Policy

The course examines U.S. national security policy objectives, the military strategies and institutions that have been designed to achieve these objectives and the defense capabilities that can be used to accomplish political and economic goals. The focus of readings and class discussion is on the following topics: the international environment as the setting for the making of American defense policy; the evolution of U.S. strategy; World War II, the Korean War and Vietnam as case studies; arms control; the institutional structure and processes of defense policy; military professionalism; reform and appraisal.

**125 Human Rights**

Three main areas of human rights are examined:

1) human rights theory and the philosophical foundation of human rights, 2) the international institutions, international law, and regional mechanisms for protecting rights, 3) an overview of major empirical theories of rights, identifying economic, political, and social factors and actors that shape present-day human rights conditions.

**126 Food Politics**

Food is not just food, and this course is not just about food. We all connect with food: it is a great catalyst, a starting point for exploring many kinds of issues—from changing agricultural practices to shifting patterns of consumption. We not only grow, make and buy food; it also shapes us—physically, personally, and culturally. We will examine why something as innocuous as choosing certain foods can be a political act with global consequences. We will cover the major influences on the food system in terms of globalization, McDonaldisation and agribusiness by focusing on world hunger, the environment, the development of genetically modified foods and the power of supermarkets in the food commodity chain. *Satisfies Community Engagement and Common Good of the Core Curriculum.*

**127 Field Work for POL 126: Food Politics**

This course is a Community-based research course and the student will be involved with the Urban Farmer project in Lafayette outside of class (the equivalent of a lab in a science class). Students must enroll in both POL 126 and 127, and receive 1.25 course credit.

**128 Dynamics of Terrorism**

This course intends to investigate the different meanings and definitions of terrorism. A good portion of the course will be devoted to understanding ideological, social, cultural, economic, and religious causes of terrorism. In addition, several case studies will be analyzed, inasmuch as they pertain to acts of terrorism committed by non-state actors and groups, as well as those that are state-sponsored.

**130 Introduction to Public Administration**

A basic introduction to the theory and practice of public administration. Major works in organization and decision theory are read, and particular attention is given to the creation and implementation of programs in the U.S. federal government.

**133 Comparative Administration**

An introduction to the comparative study of government administration in various nations of the world. Attention is given to the effects cultural and historical differences have on the development of a country's governmental arrangements and processes, and to the different ways other countries deal with the problems and changes in the world with which we also must contend.

**135 Environmental Politics**

A political analysis of environmental problems such as pollution, energy shortages, population growth, climate change and the destruction of wilderness areas. Public policies to address these problems both here and in other countries are examined. Ethical aspects of environmental issues are explored.

**136 Environmental Law and Regulation**

Examination of alternative legal mechanisms for protecting the environment. Topics include environmental torts and remedies; environmental criminal law; private property rights and the "public trust" doctrine; administrative regulations and standards; economic incentive statuses; federal vs. state environmental jurisdiction; and international environmental agreements.

**140 Gender Politics**

A study of the social, economic, political and legal status of women in contemporary America and in other countries. The course examines the dynamic changes taking place in the relationship between women and men. Topics include the history of women's liberation movements, the Equal Rights Amendment, abortion, sexism in the workplace, feminist social theory and women in politics. *Satisfies Community Engagement of the Core Curriculum.*

**141 Contemporary Revolutions**

A comparative study of failed and successful revolutions of the 20th century, examining revolutionary theory and the debates between revolutionaries. Using primary texts, students read the theorists and practitioners of each revolution studied. Cases include the successful Russian Revolution as the first model, followed by the unsuccessful German and Spanish revolutions, the Chinese and the Cuban revolutions, the attempted French revolution of May 1968, the Chilean revolutionary process of 1970–73, the Vietnamese Civil War, the Iranian and Nicaraguan revolutions of 1979. Eastern European revolutions of 1989 are examined as the completion of the failed process of imposed revolutions from above and without after 1945. The causes and basis of social conflict are explored as well as the way rebellions, riots and insurrections can turn into revolutions. Questions are posed for the contemporary post-Cold War world: after the Seattle ferment around globalization and the rise of religious nationalism and terror in the post-September 11 reaction, are revolutions in order?

**143 Middle East Politics**

An introductory comparative politics course in the Middle East, the course analyzes such specific problems as the role of the military, the process of modernization, the impact of state proliferation, and the consequences of socioeconomic disparities resulting from the influx of oil wealth. In addition to providing a brief survey of major historical developments since World War I and their impact on current issues, the course examines intra-Arab and Israeli-Arab conflicts. *Offered in alternate years.*

## Curriculum Politics

### 144 Asian Politics

A survey of political systems in northeast Asia (including China, Japan, Korean peninsula) and southeast Asia (including Vietnam, Indonesia, Philippines). Emphasis on modern history, economic development, democratization, political culture and international relations. *Offered in alternate years.*

### 145 Latin American Politics

An examination of the historical evolution and present state of political systems in Mexico, Central America and Southern Cone countries. Alternative theoretical explanations of democratization, democratic consolidation, and the links between public policy and socio-economic development are emphasized. Major themes of the course include measuring and explaining the quality of democratic governance, institutional variations, social justice, human rights, ideologies and US policy toward the region. *Offered in alternate years.*

### 146 West European Politics

Examination of politics, institutions, ideologies, patterns of stability and change in selected countries such as Great Britain, France and Germany. Theory of comparative studies. *Offered in alternate years.*

### 147 Soviet and Post-Soviet Russian Politics

A survey of the historical, social, political and economic development, disintegration and demise of the Soviet Union from the revolution to the present. The course takes an interdisciplinary and theoretical approach beginning with Marx, Lenin, Trotsky and Stalin, and goes on to Gorbachev's attempted reform, and the disintegration of the USSR. The course finishes with an examination of the contradictions facing the present Russian government in its attempt at integration into the world economy and its response to the terminal crisis of a system in collapse.

### 148 East European Politics

East Europeans have lived through all the great 'isms' of the last century, ending up with post-Soviet global neo-liberal capitalism today. The course focuses on the creation and evolution of the Soviet bloc, the attempts at reform in Eastern Europe, looking at case histories of Hungary, Poland, the former Czechoslovakia and Yugoslavia, the absorption of East Germany by West Germany, and the process of integration into the world economy. Topics include the revolutions of 1989, the dilemmas of democratization, the rise of nationalism, the problem of privatization, the rise and decline of civil society, and the social costs of transformation. A large part of the course is devoted to an examination of ongoing changes and toward that end a variety of topical issues are explored in some detail. *Offered at least once in a three-year period.*

### 149 Topics in Comparative Politics

Examination of political systems not covered in other courses, investigating selected areas such as African, Canadian, or Pacific Rim countries. May be repeated for credit as content varies.

### 190 Social Justice Speakers Series (.25)

This quarter-credit course focuses on different aspects of social justice in conjunction with the "social justice speakers" who are invited to speak on our campus. The course helps the students explore the topics presented by the speakers through pertinent readings and follow-up discussions.

### 191 Remembrance and Resistance (.25)

This quarter-credit course is offered in conjunction with a trip to Fort Benning, Georgia, to participate in the vigil that remembers victims of human rights atrocities in Latin America and to protest against training that may induce Latin American military officers to commit such atrocities. Requires six weekly discussion sessions and participation in the vigil and protest during the third weekend of November.

### 195 Internship in Government

Offers the student the opportunity to earn credit while learning about the day-to-day functioning of government by working part-time in the office of a government agency or elected official. Internships in local, state and federal offices may be arranged to fit the interests of the student. Student must be in good academic standing.

### 197 Special Study

An independent study or research course for students whose needs are not met by the regular course offerings of the department. *Permission of instructor and department chairperson required.*

### 199 Honors-Special Study

An independent study or research course for upper-division majors with a B average in government. *Permission of the instructor and department chair required.*

## 2+2 PRE-NURSING PROGRAM

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The 2+2 Pre-Nursing Program is an innovative partnership program with Samuel Merritt University in which students study at Saint Mary's College for two years, completing a rigorous curriculum in science and liberal arts. The successful student receives a certificate from Saint Mary's College and then transfers to Samuel Merritt University in Oakland, California to complete two years of an excellent theory and clinical-based curriculum, resulting in a Bachelor of Science in Nursing (BSN) degree.

Students thus receive the best in a liberal arts and nursing education with an emphasis on critical thinking, as well as informed and ethical decision-making. The academic foundation of the 2+2 Pre-Nursing and the BSN curriculum prepare the student for the dynamic and challenging health care environment. We offer a supportive, individualized learning atmosphere with a challenging curriculum and exceptional faculty who are passionate about teaching. You are invited to meet faculty online by browsing the faculty biography section on the Saint Mary's website. For further information, contact the director, Christa Kell RN, MS at (925) 631-4681 or [ckell@stmarys-ca.edu](mailto:ckell@stmarys-ca.edu).

### FACULTY

Christa Kell RN, MS., *Director*  
Margaret Field, Ph.D, *Biology*  
Wendy Lacy, Ph.D, *Biology*  
Greg Smith, M.S., *Biology*  
Jeff Sigman, Ph.D, *Chemistry*

Faculty members from the departments of psychology, statistics and interpersonal communication also teach in the program.

### LEARNING OUTCOMES

When students fulfill the requirements of the 2+2 Pre-Nursing curriculum they will be able to:

- **RESPECT** the inherent dignity of individuals and groups.
- **DEMONSTRATE** an in-depth understanding of the interdependency of human body organ systems through the applications of interdisciplinary sciences.
- **COMMUNICATE** effectively in establishing empathic relationships with others.
- **ANALYZE**, evaluate and integrate theory and research data in applying the scientific method of investigation.
- **COOPERATE** in the collaborative exploration of ethical decision-making and the process of social justice and change.

### ADMISSION CRITERIA: FRESHMEN

In addition to other requirements for freshmen admission, consideration for the 2+2 Pre-Nursing program also requires the completion of high school laboratory Chemistry and Biology with a B or better. Those admitted to the Pre-Nursing program typically have at least a 3.5 GPA in a strong college preparatory program in high school with a minimum grade of B in all courses. Applicants must also have a minimum 500 on both verbal and math SAT or a minimum ACT composite score of 22.

The 2+2 Pre Nursing program is limited to Freshmen students only. Transfer students are not accepted.

### PROGRESSION

Freshmen students may progress in the 2+2 major at the end of their first semester if they have passed Introduction to Biology (**Bio 10/11**), Introduction to Psychology (**Psych 10**) and **Math 4** (statistics). A GPA of at least 3.0 GOA with B's in all BRN required courses.

Students must obtain a B or above in all courses required by the California Board of Registered Nursing (including Introduction to Sociology or Anthropology, science, math, psychology, English and communication courses). Students will meet with the director of the 2+2 Nursing program each semester to review GPA and progression status. Sophomores must have a 3.0 major GPA by the end of their first semester to remain in the major.

## Curriculum 2+2 Pre-Nursing Program

### TRANSFERRING TO SAMUEL MERRITT UNIVERSITY

Each semester, 10 qualified students are guaranteed admission to Samuel Merritt University.

To qualify students must have:

- Completed the 2+2 Pre-Nursing curriculum
- Satisfactorily passed an entrance exam (TEAS) as specified by Samuel Merritt University
- Fulfilled all financial obligations
- Held a minimum major GPA of 3.0 throughout the pre-Nursing curriculum.

A qualified student's time of transfer may occasionally be delayed due to the limited number of places at Samuel Merritt. This delay is unusual but would be no longer than one semester.

	FIRST SEMESTER	JAN TERM	SECOND SEMESTER
FRESHMAN YEAR	English 4–Composition ( <i>or</i> English 3) Biology 10/11–Intro to Biology Psychology 10–Intro to Psychology Math 4–Statistics	Elective	Collegiate Seminar 1 Critical Strategies and Great Questions English 5–Argument and Research Chemistry 2/3–Principles of Chemistry Biology 40/41–Intro to Microbiology
SOPHOMORE YEAR	Biology 15/16–Human Anatomy Collegiate Seminar 2 Western Tradition Part 1	Elective	Biology 25/26–Human Physiology

To be taken sophomore year, either semester:

- TRS 097 Introduction to Religious Studies
- Anthropology 001 Introduction to Anthropology  
*OR*  
Sociology 002 Introduction to Sociology
- Education 173 Interpersonal Communication
- Psychology 140 Human Life Span Development
- Biology 12 Nutrition
- .25 Courses TBA



## PRE-PROFESSIONAL CURRICULA

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### PRE-LAW

The Association of American Law Schools and the Law School Admissions Council (LSAC) do not recommend any specific undergraduate major or program for students planning to study law. While they consider the prescription of particular courses unwise, the LSAC does believe that the Council can call attention to the quality of undergraduate instruction it believes fundamental to the subsequent attainment of legal competence. The three general aspects of education stressed are:

Interpretive and expressive mastery of language: Language is the lawyer's primary tool. Courses (in English or other disciplines) that stress sound writing, or oral discussion, presentation or debate, and courses (for example, in communication, foreign language or linguistics) that illuminate the workings of language are recommended.

Critical understanding of institutions and values: Legal counsel and advocacy are among the most powerful influences shaping institutions and affecting the quality of lives lived within them. Hence, courses (in history, economics, politics, sociology or anthropology, for example) that illuminate institutions' structure, functions and potentials are recommended. Attorneys' professional influence is matched by their moral influence, since legal questions inevitably implicate fundamental notions of equity and fairness. Courses (in theology and religious studies, philosophy or psychology, for example) that examine the sources and meaning of normative values are therefore recommended.

Sound and creative thinking: Above all, attorneys are problem-solvers and advisors in unendingly various, complex circumstances that demand rigorous, comprehensive analysis (grasp the law and the facts), sensitivity and imagination (know the people) and sound practical judgment (match the end desired to the limits imposed by law, facts and people). Courses (in mathematics, logic or natural science, for example) that promote rigorous analytic thinking or creative synthetic thinking are recommended. (For prospective law students, the LSAC recommends, by name, some study of accounting, since accounting shapes the language of business.)

In sum, legal studies demand liberal artistry of the kind Saint Mary's College promotes throughout its curriculum, but perhaps most directly in the Integral program.

The College's pre-law advisor is located in the Career Development Center, Brother Urban Gregory Hall. Information on, and advice about, specific law schools and the Law School Admissions Test (LSAT) are available at the center.

### HEALTH PROFESSIONS

Saint Mary's offers an excellent preparation for professional study in a variety of health care fields. Graduates have successfully entered such professions as medicine, dentistry, veterinary medicine, physical therapy, physician assistant, pharmacy, optometry, podiatry and chiropractic medicine. Saint Mary's has a full-time health professions advisor to assist students with preparation for these careers and with the application process.

### MEDICINE

Traditionally, Saint Mary's students intending to enter the medical profession have majored in biology, biochemistry or chemistry. However, medical schools give equal consideration to students with any major, as long as students have completed the prerequisite coursework. Thus, a student interested in medicine should not automatically exclude any course of study when entering Saint Mary's. Rather each student should consider such factors as personal interest, aptitude and alternative career goals when choosing a major.

Regardless of choice of major, there are certain courses that are required by virtually all allopathic and osteopathic medical schools. These include one-year sequential courses in general chemistry (**Chemistry 8, 9 (lab) 10, 11 (lab)**), organic chemistry (**Chemistry 104, 105, 106, 107**), general biology (**Biology 1 and 1L, 2 and 2L**), general physics (**Physics 10, 10L, 11, 11L**), two semesters of math (**Math 27 and 28, or Math 27 and 4**), physics, and English. All these courses should be completed before taking the Medical College Admission Test (MCAT). If the student wants to enter medical school after graduation, he or she should take the MCAT during his or her junior year. In addition, it is advisable to take at least one upper-division science course as an elective if a science major is not chosen. Some medical schools suggest or require additional courses in biochemistry, microbiology, psychology or foreign language. Thus, the student is advised to check the specific requirements of prospective medical schools. All pre-medical students, regardless of academic major, should seek counseling from the health professions advisor in the School of Science upon entering Saint Mary's and thereafter on a regular basis.

### DENTISTRY

The general course requirements are similar to those for pre-medical students and should be completed prior to taking the Dental Admission Test (DAT). Each pre-dental student should plan his or her curriculum through close consultation with his or her academic advisor and the health professions advisor in the School of Science. Additional work in biochemistry, anatomy, physiology or biological sciences may be recommended or required. Students should check the professional school websites for detailed admission requirements.

## Curriculum Pre-Professional Curricula

### PHYSICAL THERAPY

The allied health science major is designed to include those courses that are required for entrance into most physical therapy doctoral programs. These courses include general chemistry (**Chemistry 8, 9 (lab), 10, 11 (lab)**), general biology (**Biology 1 and 1L, 2 and 2L**), and general physics (**Physics 10, 20, 11, 21**), plus courses in human anatomy (**Biology 15, 16**), human physiology (**Biology 25, 26**), psychology (**139, 152**) and statistics (**Psychology 3 and 4, Math 4, or Biostatistics 119**). Additional courses may be needed, depending upon the entrance requirements of a particular physical therapy program. For further information, contact the allied health advisor.

### OCCUPATIONAL THERAPY

The allied health science major is designed to include those courses that are required for entrance into most occupational therapy master's programs. These courses include human anatomy (**Biology 15, 16**), human physiology (**Biology 25, 26**), psychology (**139, 152**), statistics (**Psychology 3, Math 4, or Biostatistics 119**), general chemistry (**Chemistry 8, 9, 10, 11**), general biology (**Biology 1 and 1L, 2 and 2L**) and general physics (**Physics 10, 20, 11, 21**). Additional courses may be needed, depending upon the entrance requirements of a particular occupational therapy program. For further information, contact the allied health advisor.

### PHYSICIAN ASSISTANT

Students interested in pursuing a profession as a physician assistant are encouraged to follow the allied health science major. Additional course work in microbiology is usually required and 100 hours of patient contact is recommended. For further information, contact the allied health advisor.

### PHARMACY

Students planning to enter the field of pharmacy could follow the biology, chemistry, biochemistry, or allied health science major. Students should check the prerequisites with individual pharmacy schools in which they are interested as they do vary. Some schools of pharmacy allow students to enroll after three years of pre-professional education. Pre-pharmacy students should consult closely with the allied health advisor in the School of Science.

### VETERINARY MEDICINE

Students interested in pursuing veterinary medicine as a professional career have traditionally majored in either biology or chemistry (or a split major between these two disciplines). However, schools of veterinary medicine may consider students from any major providing they have completed the prerequisite coursework. Veterinary medicine requires the same courses in biology, chemistry, mathematics and physics as are required in pre-medicine (see under Medicine). Many veterinary schools have other specific core requirements, such as embryology or statistics. In addition, actual experience in the field of veterinary medicine or extensive experience with animals is required, as well as taking the Graduate Record Exam (GRE). Students are advised to obtain a copy of the catalog from prospective schools, and should also seek counseling from the health professions advisor in the School of Science upon entering Saint Mary's and throughout their stay at the College.

### OTHER HEALTH PROFESSIONS

Saint Mary's College provides pre-professional preparation for a number of other health care fields such as physician assistant, optometry, podiatry, chiropractic medicine and public health. Students should contact the allied health advisor in the School of Science for more information.

## 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 variety in the Department of Psychology's course offerings, an orientation which embraces both research and application is emphasized. Psychology majors who have 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

Paul Zarnoth, Ph.D., *Associate Professor, Chair*  
 Brother Camillus Chavez, FSC, Ph.D., *Lecturer*  
 Lynnyone D. Cotton, Ph.D., *Associate Professor*  
 Elena A. Escalera, Ph.D., *Associate Professor*  
 Jose A. Feito, Ph.D., *Professor*  
 Emily Hause, Ph.D., *Associate Professor*  
 Mary E. McCall, Ph.D., *Professor*  
 Carole McKindley-Alvarez, Psy.D., *Adjunct*  
 Hiroko Nakano, Ph.D., *Associate Professor*  
 Keith H. Ogawa, Ph.D., *Professor*  
 Morenike Oshi-Ojuri, M.A., *Lecturer*  
 Caitlin Powell, Ph.D., *Assistant Professor*  
 Sara K. Stamp, Ph.D., *Professor, Chair*  
 James A. Temple, Ph.D., *Professor*  
 Mary M. True, Ph.D., *Professor*  
 Hoang J. Vu, Ph.D., *Professor*

### LEARNING OUTCOMES

*Upon completion of the requirements for the bachelor of science degree in psychology, students will be able to:*

- **DEMONSTRATE** knowledge of the theoretical approaches, research findings and historical trends in psychology.
- **ENGAGE** in informed, critical intellectual discussion surrounding questions of human behavior.
- **USE** multiple research methods and statistical tools to design research and collect, analyze and interpret data; understand the limitations of these tools and methods; successfully interpret empirical research; demonstrate information competence through use of key databases; and proficiently write a research report using the standard APA format.
- **DEMONSTRATE** the skills of skeptical inquiry and critical thinking in the analysis of peer-reviewed articles and articles appearing in the popular press.
- **DEMONSTRATE** an understanding of the multiple ways gender, culture, age and sexual orientation affect psychological processes (i.e., perception, memory, learning, affect, social behavior and development).
- **DEMONSTRATE** through the use of computer simulations and anatomical dissections the role of biology and neurology in perception, learning, memory and language, and understand their relation to neurological and biological pathologies.
- **APPLY** psychological theory and research to issues that may arise in their careers and personal lives, as well as applications to problems of social justice in the world around them.

### MAJOR REQUIREMENTS

#### CORE CURRICULUM

Intended to give breadth and scope of the discipline, all psychology majors are required to fulfill the following five courses: **Psychology 1, 2, 3, 103, and 110.**

#### 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.*

#### LOWER DIVISION

**Psychology 1, 2 and 3** are required for all psychology majors. A minimum grade of C- is required for all lower-division courses.

#### UPPER DIVISION

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

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 **Psychology 126, 127 or 128**; two of **Psychology 140, 150, or 160**; one of **Psychology 100, 106, or 195**; and five upper-division Psychology electives.

#### BEHAVIORAL NEUROSCIENCE CONCENTRATION

For the student with an interest in the biological bases of behavior, a sequence of upper-division courses in addition to the psychology core curriculum which must include **Psychology 106, 126, 127 and 128**; any two of **Psychology 140, 150 or 160**; and any three upper-division Psychology electives.

## Curriculum Psychology

### CHILD/ADOLESCENT DEVELOPMENT CONCENTRATION

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: **Psychology 140 and 142**; one of **Psychology 126, 127 or 128**; one of **Psychology 150 or 160**; and one of **Psychology 100, 106 or 195**. The sequence must also include three courses from the list of **Psychology 008, 141, 143, 144, 147, 148, 165 or 174**, at least one of which must be **Psychology 141 or 144**. Finally, the sequence must also include one additional upper-division psychology elective.

### SOCIAL PSYCHOLOGY CONCENTRATION

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 **Psychology 160**; one of **Psychology 140 or 150**; one of **Psychology 126, 127 or 128**; and one of **Psychology 100, 106 or 195**. The sequence must also include three of the following courses: **Psychology 115, 147, 157, 165, 169, 172 or 180**, at least two of which must be **Psychology 165, 169, 172 or 180**. Finally, the sequence must also include two additional upper-division electives.

### PERSONALITY PSYCHOLOGY CONCENTRATION

For the student interested in social work or counseling/clinical psychology, a sequence of upper-division courses in addition to the psychology core curriculum is offered which must include **Psychology 150**; one of **Psychology 140 or 160**; one of **Psychology 126, 127 or 128**; and one of **Psychology 100, 106 or 195**. The sequence must also include three of the following courses: **Psychology 147, 148, 152, 157, 170, or 174**, at least two of which must be **Psychology 152, 170 or 174**. Finally, the sequence must also include two additional upper-division psychology electives.

### MINOR REQUIREMENTS

The minor in psychology requires **Psychology 1, 2 and 3**, and three upper-division courses from the following five sets of options, no two of which are from the same set: **Psychology 110, 115, 126, 127 or 128**; **Psychology 140, 141, 142, 143, 144, 147 or 148**; **Psychology 150 or 152**; **Psychology 172 or 180**; **Psychology 160 or 165**. Minors may fulfill only one upper-division course off-campus.

### 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 **Psychology 1, 2 or 10** must submit a formal petition to do so to the chair of the Psychology Department before enrolling in the course. Online courses are generally not accepted for credit in this department.

## C O U R S E S

### LOWER DIVISION

#### 1 Introduction to Personal-Social Psychology

A survey of personality theory and assessment, social, developmental and clinical psychology with special attention to the pervasive influences of culture, gender and ethnicity. *Satisfies Social, Historical, and Cultural Understanding of the Core Curriculum.*

#### 2 Introduction to Brain and Behavior

An exploration of the scope and methods of physiological and experimental psychology.

#### 3 Psychological Methods and Analysis I

This course is the first part of a two-semester sequence of courses that presents a survey of the complementary methodologies frequently used within the field of psychology. An emphasis will be placed upon the collection and analysis of data, with a focus on non-experimental methods and descriptive statistics. Students who enroll in this course must register for **Psychology 103** in the following semester. *Prerequisite: competence in basic algebra. Does not satisfy an Area B requirement of the pre-2012 general education requirements.*

#### 8 African American Psychology and Law (fall)/ The African American Family and Law (spring)

The course examines various aspects of African-American psychology. In the fall, the course focuses on improving one's understanding of the dynamics of being black in an urban society by exploring psychological forces and influences that proliferate racism, subordination, dehumanization and victimization. In the spring the course focuses on the historical background of the black family from a psychological perspective, including personality development, black masculinity, parental roles, extended family and alternative lifestyles that impact the black family. Both semesters explore how the U.S. Constitution and Supreme Court decisions have affected public policy issues within a psycho-social context. *Satisfies American Diversity of the Core Curriculum.*

#### 12 Special Topics in Psychology

Selected areas of psychology not covered by the regular department course offerings. Topics are announced prior to preregistration. Course may be repeated for credit as content varies. Potential topics include: psychology of racism; psychology in the courtroom; psychology of religion; sports psychology; environmental psychology.

**13 Meditation (.25)**

Students learn to use the Jose Silva theory of meditation to enhance performance and well being. Exercises are offered in stress reduction for the improvement of sports performance, for the enhancement of prayer life, and other areas of student interest. Course offered on a pass/fail basis only. Does not count toward the major.

**14 Advanced Meditation (.25)**

Building upon the skills and knowledge gained in **Meditation 13**, students continue with more advanced aspects of the theory and practice of meditation. Course offered on a pass/fail basis only. Does not count toward the major. *Prerequisite: Psychology 13.*

UPPER DIVISION

**100 Seminar in Psychology**

An investigation of the history and philosophical foundations of modern psychology. Emphasis is on basic issues of psychology, emerging in the long philosophical tradition of Western civilization, which ground psychology as an empirical human science. *Prerequisite: Senior psychology major or consent of instructor.*

**103 Psychological Methods and Analysis II**

This course is the second part of a two-semester sequence of courses that presents a survey of the complementary methodologies frequently used within the field of psychology. An emphasis will be placed upon the collection and analysis of data, with a focus on experimental methods and inferential statistics. *Prerequisite: Psychology 3. Does not satisfy an Area B requirement of the pre-2012 general education requirements.*

**104 Special Topics in Assessment and Testing**

This course will offer an examination of testing topics such as norms, reliability, validity and item analysis within the context of an applied area of psychology such as forensic, counseling or cross-cultural. Special attention will be given to the use of tests and the role of testing in society. Course may be repeated for credit as content varies. *Prerequisites: Psychology 3, 103.*

**105 Advanced Psychological Statistics**

Advanced research methods for evaluating psychological data utilizing SPSS. Topics generally include: theoretical sampling distribution, probability, decision theory, multiple analysis of variance, multiple regression analysis and factor analysis. *Prerequisites: Psychology 3, 103. Does not satisfy an Area B requirement of the pre-2012 general education requirements.*

**106 Experimental Research**

A study of the logic of experimentation as applied to psychological problems through selected experiments in sensation, perception, cognition, learning and motivation. Laboratory fee \$50. *Prerequisites: Psychology 2, 3, 103. Does not satisfy an Area B requirement of the pre-2012 general education requirements.*

**110 Psychobiology**

Examines the complex interaction of nature and nurture underlying the behavior of animals and humans, and the methods used to investigate this interaction. An overview of the anatomical, neural and neurochemical bases of behavior in both normal and clinical cases is provided. Learning is enhanced through laboratory activities of dissection, computer models and electrophysiological techniques. *Laboratory fee \$125. Prerequisites: Psychology 1, 2. Does not satisfy an Area B requirement of the pre-2012 general education requirements.*

**113 Animal Behavior**

A study of behavior of animals, including primates and humans, and the mechanisms that control behavior at both the biological and psychological levels. Field trips may be required. *Prerequisites: Psychology 1, 2.*

**115 Health Psychology**

A study of the relationships among mental processes, behavior and physical health with an emphasis on the role of psychology in prevention and treatment of illness as well as promoting optimum health. *Prerequisites: Psychology 1, 2; or Psychology 1, Biology 15 or 25.*

**126 Sensation and Perception**

Examines the cognitive and physiological processes responsible for the acquisition and mental representation of sensory information. *Prerequisites: Psychology 110.*

**127 Cognitive Science**

Examines how organisms acquire and use information provided by experience and how such information is represented in memory. The course covers the major theories in learning and memory, and the mechanisms and processes by which knowledge is used for the control of behavior. *Prerequisite: Psychology 2.*

**128 Neuropsychology**

A comprehensive survey of the relation between behavior and brain activity across the human lifespan, examining theory and research on such topics as neurodevelopmental disorders; clinical neuropsychological assessment; and neuropharmacology, rehabilitation and functional neuroanatomy and physiology. *Prerequisites: Psychology 1 and 2.*

**140 Human Development**

An examination of the major theories of and influences on human development from conception through death, including the biological, cognitive, emotional, social and cultural dimensions of development. Only majors and minors in psychology may enroll in this course. All others should take 139. *Prerequisites: Psychology 1.*



## Curriculum Psychology

### 141 Infancy and Childhood

An examination of development from conception through early childhood (0–5 years), including the biological, cognitive, emotional, social and cultural dimensions of development, with discussion of special topics, e.g. learning disabilities and child abuse. Students complete an in-depth case study of a child as a way to integrate course materials and naturalistic observation. *Prerequisite:* Psychology 140.

### 142 Adolescent Development

An examination of development from late childhood through adolescence (11–18), including the biological, cognitive, emotional, social and cultural dimensions of development, with discussion of special topics, e.g., identity issues, cross-cultural issues and high-risk behaviors. Students conduct an extensive interview which integrates an adolescent's own experience with current research and theory. *Prerequisite:* Psychology 140.

### 143 Adult Development

A study of the major psychological, social and cultural factors that influence development from early adulthood through old age. Students examine in depth a public policy that affects adults or families. *Prerequisite:* Psychology 140.

### 144 Middle Childhood

The purpose of this course is to examine the key developmental tasks of middle childhood, including the development of achievement motivation, positive peer relationships, moral responsibility, self-regulation and initial mastery of the skills important to one's culture. Students will observe children in various settings, including school, organized sports and informal play settings, to investigate how the peer culture influences development. *Prerequisite:* Psychology 140.

### 147 Psychology of Gender

A critical review of the theory and research on gender from the biological, psychological and sociological perspectives. The course explores the social construction of gender and how it impacts human development and social behavior. Throughout the course, the interaction between gender and the complexities of race, culture and sexual orientation is considered. *Prerequisite:* Psychology 1.

### 148 The Exceptional Individual

Examines individuals with special needs, be they physical, cognitive or social/emotional. Causes, consequences and treatment approaches are covered, as well as implications for development issues. Students will be required to visit facilities and interview individuals. *Prerequisite:* Psychology 140. *Offered in alternate years.*

### 150 Personality Psychology

A critical review of the traditional and modern theories of personality, including the psychoanalytic, neoanalytic, trait, behavioristic and humanistic perspectives, with a focus on personality development, assessment techniques and application of theory to everyday life. *Prerequisite:* Psychology 1. *Satisfies Social, Historical, and Cultural Understanding of the Core Curriculum.*

### 152 Clinical Psychology

The abnormal personality with special emphasis on those afflicted with psychoneuroses, psychoses, psychosomatic reactions, brain damage or personality disorders. *Prerequisites:* Psychology 1 and junior or senior standing.

### 156 Personal and Professional Adjustment

A research-oriented treatment of personal and vocational adjustment, including: stress and stress tolerance, defensive and constructive coping, social and job satisfaction, behavior modification and interpersonal communication. *Prerequisites:* Psychology 1, 2.

### 157 Human Sexuality

A review of the empirical evidence on human sexuality, with a focus on historical and cultural perspectives as well as the physiological, psychological and sociological basis for sexual behavior and sexual identity. *Prerequisite:* Psychology 1. *Satisfies Community Engagement of the Core Curriculum.*

### 160 Social Psychology

An introduction to social psychology including the study of attitude formation and change, social interaction, social norms and cultural influences on personality formation. *Prerequisite:* Psychology 1. *Satisfies Social, Historical, and Cultural Understanding of the Core Curriculum.*

### 165 Cross-Cultural Psychology

An analysis of cultural influences on human behavior. Topics include cross-cultural methodology, perception, cognition, motivation, development, attitudes and prejudice, gender, adaptive and maladaptive patterns, and the construction of self. This course includes a community service learning component with CILSA. Fulfills the diversity requirement. *Prerequisites:* Psychology 1, 2. *Satisfies American Diversity and Community Engagement of the Core Curriculum.*

### 169 Attitudes and Attitude Change

This course will examine the nature and structure of attitudes as well as the forces involved in attitude change. Applied topics such as stereotypes, group influence, marketing, and job interviews will be examined. *Prerequisites:* Psychology 1.

### 170 Theories of Counseling

A critical review of traditional and modern theories of counseling and psychotherapy. *Prerequisites:* Psychology 1, 2.



**172 Groups, Organizations and Societies**

Fundamental concepts of organizational theory as it applies to successful group functioning, with a focus on group structure and group processes, team building, group norms and group communication. *Prerequisites: Psychology 1 or junior standing in psychology, business administration or sociology.*

**174 Psychology of the Family**

A study of family dynamics and the influences which contribute to family dysfunction. Examination includes relationships between family patterns and childhood disorders. *Prerequisites: Psychology 1 and junior or senior standing.*

**180 Organizational Psychology**

Examines the major theoretical findings in the field concerning the relationship between the individual and the organization, including the study of motivation, leadership, decision making, power and politics, corporate culture and organizational development. *Prerequisites: Psychology 1 or junior standing in psychology, business administration or sociology.*

**195 Field Placement**

Students work 80 hours at a field placement site of their choosing and attend weekly class sessions. A series of papers/assignments address career and personal goals as well as the relationship between the field placement work and concepts learned in the psychology major. *Prerequisites: Psychology 103, senior standing, and approval of the course instructor.*

**197 Special Study**

An independent study or research course for students whose needs are not met by the regular course offerings of the department. *Permission of the sponsoring faculty member and department chair is required.*

**199 Special Study – Honors**

Independent study and research on campus in an area of interest to the student culminating in a written presentation of the problem, method of analysis and findings. *Prerequisites: upper-division standing as a psychology major, B average in upper-division psychology courses already taken, consent of the instructor and department chair. May be repeated for credit if content varies.*

# SOCIOLOGY

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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 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 non-profit sector.

### FACULTY

John Ely, Ph.D., *Associate Professor, Chair*  
Zeynep Atalay, Ph.D., *Assistant Professor*  
Robert Bulman, Ph.D., *Professor*  
Cynthia Ganote, Ph.D., *Associate Professor*  
Phylis Martinelli, Ph.D., *Professor*  
Ynez Wilson Hirst, Ph.D., *Adjunct Associate Professor*

### 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.

### MAJOR REQUIREMENTS

The sociology major is composed of 13 lower- and upper-division courses.

#### LOWER DIVISION

Sociology 2 Introduction to Sociology  
Sociology 4 Social Problems  
Mathematics 4 Introduction to Probability and Statistics

#### UPPER DIVISION

Sociology 101 The Sociological Imagination  
Sociology 130 Sociological Theory  
Sociology 132 Sociological Research Methods  
Seven additional upper-division courses.

### MINOR REQUIREMENTS

#### SOCIOLOGY

The minor in sociology requires two lower-division courses (**Sociology 2 Introduction to Sociology** and **Sociology 4 Social Problems**) and four upper-division sociology electives.

**JUSTICE AND COMMUNITY**

This multidisciplinary minor, which is housed within the Department of Sociology, incorporates field research and issues of social justice into the experiences and curriculum of students pursuing careers in social justice. The following courses are required:

**Lower-division:**

**Sociology 4** and either **Economics 3** or **4**, or **Economics 10**

**Upper-division:**

**Theory (1): Politics 115**

**Theory/Praxis (1): An/Soc 122** or **124** or **Religious Studies 129** or **BusAd 181** (or **182**) or **Politics 106**

**Electives (2): Sociology 116, 120, 122, 124, 128; BusAd 181** or **182; Communication 161, Econ 152, 192; Politics 106, 110, 135; Religious Studies 140, 141, 143**

**Capstone (1): Sociology 126**

Students must take five courses outside their major. Sociology majors must take **Sociology 124** in place of **Sociology 4**, and both electives must be outside the department. Politics students must choose one elective outside their department; and economics majors must take an additional upper-division elective in place of **Economics 10**.

**PREREQUISITE GRADE**

*A minimum acceptable grade of C- is required for course-work to count toward a minor or the major.*

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**C O U R S E S****LOWER DIVISION****2 Introduction to Sociology**

Sociological theory, methods and the sociological perspective are studied. This perspective enables students to see how the self, human behavior and attitudes are shaped by social structures and institutions, e.g., social class, popular culture and the family. The social world is re-examined (social rules, deviance, gender, inequality, the economy, etc.). *Satisfies Social, Historical, and Cultural Understanding and American Diversity of the Core Curriculum.*

**4 Social Problems**

An overview of the causes, characteristics and responses to social problems in the United States. Topics such as crime, substance abuse, racism, ageism and family instability are studied through the sociological framework. *Satisfies Social, Historical, and Cultural Understanding; American Diversity; and Common Good of the Core Curriculum.*

**UPPER DIVISION**

All upper-division courses have a prerequisite of **Sociology 2**, or **Sociology 4** or the consent of the instructor.

**101 The Sociological Imagination**

This course will reinforce and expand upon many of the concepts you have been introduced to in Introduction to Sociology and Social Problems. In this course we will explore the basic theoretical perspectives within sociology, the use of theory in sociological research, the logic of sociological research and an introduction to a variety of methodological approaches used by sociologists. This course will provide students with a solid base of knowledge which will serve them well in other upper division sociology courses—the Sociological Theory and Sociological Research Methods courses in particular. It is suggested that students have sophomore standing to take this course.

**111 Marriage and Family**

A concentration on modern, Westernized societies where marriage and family are still the basis of society, yet are undergoing significant changes.

**112 Race and Ethnicity**

This course presents sociology's key concepts and theories in the study of race and ethnicity. Focusing primarily on the U.S., this course looks at the cultural and social constructions of race and ethnicity.

**114 Urban Studies**

Traces the development of modern communities, ranging from suburbs to the megalopolis. Studies the benefits and problems of contemporary urban life and projects future trends based on sociological models.

**115 Wealth and Poverty**

This course offers an in-depth study of wealth, poverty, and the economic system in which they are grounded in the United States. Toward this end, students will apply various theoretical frameworks on economic inequality to current social problems in order to evaluate each framework's explanatory power. Further, students will critique past and current programs for lessening the impacts of poverty and use this knowledge to imagine and critique possible future policies.

**116 New Immigrants and Refugees**

Looks at the attitudinal and legal reactions to immigrants and refugees in the United States in this century. Emphasis is placed on the new Americans, why they are coming, and how they differ from earlier migrants. Special attention is given to the impact of new immigrant groups in California.

**118 Health and Illness**

Presents social and cultural factors influencing health and illness. Looks at the roles of health care professionals, patients and medical settings in our society. Discusses the relationships between the current health care system and the political and economic system.

## Curriculum Sociology

### 120 Social Movements

Each course focuses on one or more social movements, which are collective actions aimed at social change. The course addresses factors that can bring about social movements and determine their success or failure.

### 122 Education and Society

Examines formal education from a sociological perspective. Provides students with an understanding of the concepts of schooling and learning, of cultural and social reproduction, the linkages of education to other social institutions, the school as a social organization and the role of education in processes of social stratification and social mobility.

### 123 Ethnic Groups in the United States

Each course in this series looks at one of the following American ethnic groups: Latinos, Asian Americans, African Americans. While emphasizing the contemporary period, each course focuses on the social, cultural and historical experiences of each group. Areas covered are assimilation and resistance, distribution in the social and power structure, family systems and cultural values, labor and migration, role of religion, status of women, etc. May be repeated for credit as content varies.

### 124 Justice and Community

Addresses the use of state power in the carrying out of crime control, retribution and the overall protection of the community. The course has three main parts: a theoretical look at how we have ended up with the justice system that we have today; the practice of justice through field studies on police, courts and prisons; and an in-depth investigation into an area of criminal justice of current relevance (such as "three strikes," the expansion of prisons, or race and justice).

### 125 Gender and Society

While sex differences are biological, gender encompasses the traits that society assigns to and inculcates in males and females. This course studies the latter: the interplay between gender and society. It takes an inclusive perspective, with a focus on men and women in different cultural contexts defined by ethnic group membership, sexuality and socioeconomic status.

### 126 Field Experience

Opportunity for students to gain hands-on experience conducting sociological analysis in the field. Supervised work in community agencies, government bureaus, museums and political or industrial organizations.

### 128 Crime and Delinquency

The course addresses different theoretical and sociological approaches to crime, follows changes in these approaches over time and looks at how these changes reflect broader shifts in our comprehension of human nature and behavior. Students gain insights not only to changes in the understanding of crime but also to changes in our fundamental view of human behavior.

### 130 Sociological Theory

Analysis of the works of major theorists who have influenced sociology. Emphasis on explaining what is essential about particular theoretical frameworks, how they can be used and why they should be studied. Students must have completed **Sociology 2 Introduction to Sociology** and **Sociology 101 The Sociological Imagination**. It is suggested that students have junior standing to take this course.

### 132 Sociological Research Methods

Logic of research procedures and the theoretical and practical issues arising from sociological research. Skills and methods of designing and analyzing research explored in readings and exercises. Design of an original research proposal. Students must have completed **Sociology 2 Introduction to Sociology**, and **Sociology 101 The Sociological Imagination**. It is suggested that this course be taken in the last semester of the junior year.

### 133 Senior Thesis

Continuation of Research Methods course where honor students undertake individual research, culminating in the senior project. This should be taken in the senior year. *A faculty sponsor is required.*

### 135 Special Topics

Special topics in sociology include such issues as international race relations, criminology and emotion, sociology of disaster, sociology of film and other topics. May be repeated for credit as content varies.

### 195 Special Study Internship

This course is usually taken by an upper-division student who wishes to complete his/her education with related work experience and is maintaining at least a C average. In addition to work experience (6–8 hours per week), outside research and a term project are usually required. *Sponsorship by a sociology faculty member and approval of the department chair is required.*

### 197 Independent Study

This course entails independent study or research for students whose needs are not met by courses available in the regular offerings of the department. The course usually requires the writing of a term project. *Sponsorship by a sociology faculty member and approval of the department chair is required.*

### 199 Special Study – Honors

This course is only available to upper-division majors with a B average or higher and entails independent study or research under the supervision of a sociology faculty member. *Approval of the department chair is required.*

## STUDIES AND CURRICULAR REQUIREMENTS FOR INTERNATIONAL STUDENTS

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International students enrolled at Saint Mary's College are required to take courses or labs developed to assist them in their assimilation to the U.S. academic rigor and greater U.S. culture. The required course is **SMS 15**, a course designed to give students a working platform on which to compare their native culture to U.S. culture.

The English composition requirement for non-native speakers of English is the same as that for native English speakers with the additional requirement of the SIMS (Studies for International and Multilingual Students) Writing Lab, a quarter credit lab to be taken in conjunction with each standard composition course.

All non-native English-speaking students, both freshmen and transfer, regardless of visa status, must take the Writing Placement exam (offered during the summer for fall enrollees and just before the spring term for spring enrollees). The results of this exam will determine a student's placement in Composition and the corresponding SMS Writing Lab. As a result of the Writing Placement exam, some students may be placed in **English 3**, Practice in Writing, which is a prerequisite to **English 4**. Students placed in the SMS Writing Lab must complete the full series of corresponding labs as part of their Composition requirement.

### FACULTY COMMITTEE OVERSEEING INTERNATIONAL STUDENT CURRICULAR REQUIREMENTS

Mary Susie Miller-Reid, M.A., *Director, Center  
of International Programs*

Lisa Manter, Ph.D., *English, Director of Composition*

Lynn Meish, Ph.D., *Anthropology*

José Feito, *Collegiate Seminar*

Russ Tiberii, *Academic Advising*

Michael McKeon, *Admissions*

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### REQUIRED COURSE

#### **SMS 15 American Culture and Civilization**

A survey course delivered through the Anthropology Department provides the student with the tools to interpret and evaluate culture from a social science perspective. The approach is a cross-cultural comparative model using American values, life-styles and traditions within a framework of the day-to-day workings of American culture. Course work is composed of lectures, readings, discussions and fieldwork projects. The course is required of all international students and must be taken during the first semester of attendance. In certain cases, permission for exemption may be granted upon evaluation by the Faculty Committee and Registrar. *Satisfies Social, Historical, and Cultural Understanding and American Diversity of the Core Curriculum.*

### WRITING LABS

#### **SMS 23, 24, 25**

**SMS 23, 24** and **25** serve as a series of support labs for international students who are taking an English Composition course (**English 3, 4** or **5**). The series is required for international students who have been identified as needing additional support with English Language skills by the Director of Composition. It is also an option, at the discretion of the Director of Composition, for domestic English language learners who would like extra help adjusting to college-level writing at Saint Mary's. The course must be taken in conjunction with a full-credit composition course.

The SMS Labs help support **English 3**, **English 4**, and **English 5**, as well as other first-year courses that have significant writing requirements and would give non-native English speakers a better chance of succeeding in all of their courses.

Students will gain:

- a greater fluency in written English.
- an understanding of course expectations at Saint Mary's regarding writing.
- an increased proficiency with English grammar and vocabulary.
- a better understanding of the stages of assembling an essay (including thesis formation, overall essay organization, paragraph development, and effective sentence construction) through focused work on each stage.
- better writing habits gained through practice in assessing writing assignments across the disciplines, setting writing schedules, brainstorming and drafting techniques, and revising essays.

## THEOLOGY & RELIGIOUS STUDIES

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Religion is a fundamental dimension of human life: vital, pervasive, richly complex and multi-faceted. Its traditions, values, beliefs and practices form the basic categories of meaning for both individuals and cultures. It helps us to ask and answer essential questions about our relationship to God, self, others and the world. Theology approaches religion from the standpoint of a believer, and asks, what is the nature of God, how is this revealed to us, what does it mean to believe in God, what is the nature of the relationship between us, and how is that relationship lived and experienced?

We offer 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 strive to provide students with an opportunity to know and intimately understand the Catholic tradition in all its richness and fullness: biblically, historically, theologically, ethically and aesthetically. We also offer courses in a wide array of world religions since it is crucial that future leaders and responsible citizens have an understanding of the ideologies and faiths of their dialogue partners.

Furthermore, the exploration of these essential questions occupies an important place in a liberal arts education which seeks to expand the mind and guide students to a deeper level of understanding. Our offerings continually charge students 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 Jesus Christ, we join with the Christian Brothers in being concerned for the whole person and in fostering a genuine concern for justice in the world while integrating faith and service.

### FACULTY

David Zachariah Flanagin, Ph.D.,

*Associate Professor, Chair*

Brother Michael Avila, FSC, Ph.D., *Lecturer*

Michael Barram, Ph.D., *Professor*

Anne Carpenter, Ph.D., *Assistant Professor*

John Dwyer, Ph.D., *Professor Emeritus*

David Gentry-Akin, Ph.D., *Professor*

Paul Giurlanda, Ph.D., *Professor*

Rabbi Harry Manhoff, Ph.D., *Lecturer*

Father Tom McElligott, Ph.D., *Lecturer*

Brother Mark McVann, FSC, Ph.D., *Professor*

Brother Michael F. Meister, FSC, Ph.D.,

*Assistant Professor*

Father John Morris, Ph.D., *Lecturer*

Felicidad Oberholzer, Ph.D., *Professor*

Dan Olson, Ph.D., *Lecturer*

Marie Pagliarini, Ph.D., *Associate Professor*

Norris W. Palmer, Ph.D., *Professor*

Thomas Poundstone, Ph.D., *Associate Professor*

Brother S. Dominic Ruegg, FSC, Ph.D.,

*Professor Emeritus*

Steve Snyder, Ph.D., *Lecturer*

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 requirements of the core curriculum in religion and theology. 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 even 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.

### MAJOR REQUIREMENTS

#### LOWER DIVISION

TRS 97 The Bible and Its Interpretation

#### UPPER DIVISION

TRS 169 Theory and Method in the Study of Religion

One course, selected with guidance of the chair, from each of the following five areas:

- Christian History
- Scripture
- Contemporary Christian Thought
- Ethics
- World Religions

Three additional elective courses



*“Intensive Inquiry” courses (classes numbered 190-196, below) are regularly offered in the various areas of study that make up the course offerings of the department. These courses give students the opportunity to engage in the kind of in-depth thinking and research that will best prepare them for graduate work in the field. Students pursuing a TRS major are required to take two “Intensive Inquiry” courses in the process of completing the five area requirements and electives.*

### 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 Christian theological tradition through an exploration of specific topics in theology and the Bible.
3. **DEMONSTRATE** an understanding of how Christian thought and/or practice has developed in a specific historical period.
4. **DEMONSTRATE** an understanding of the implications of the Catholic concept of the fundamental dignity of the human person.
5. **DEMONSTRATE** an understanding of the worldview (e.g., beliefs, practices, etc.) of a non-Christian religious tradition.

#### MAJOR SKILLS

6. **DEMONSTRATE** an ability to employ contemporary theories and methods of theology and/or religious studies in analyzing religious beliefs, texts, and/or practices.
7. **DEMONSTRATE** an ability to explain, analyze, and evaluate multiple informed perspectives in debates about theological and ethical issues.
8. **DEMONSTRATE** an ability to evaluate the interplay between religion and social, cultural, and/or political phenomena.

### MINOR REQUIREMENTS

#### MINOR IN THEOLOGY & RELIGIOUS STUDIES

The minor in theology & religious studies requires five courses: TRS 97 The Bible and Its Interpretation, TRS 169 Theory and Method in the Study of Religion, and any three upper-division courses selected with the guidance of the chair.

*“Intensive Inquiry” courses (classes numbered 190-196, below) are regularly offered in the various areas of study that make up the course offerings of the department. These courses give students the opportunity to engage in the kind of in-depth thinking and research that will best prepare them for graduate work in the field. Students pursuing a TRS minor are required to take at least one “Intensive Inquiry” course in the process of completing the three upper division electives required for the minor.*

#### MINOR IN CATHOLIC TRADITION

The Theology & Religious Studies Department also offers a focused minor in the “Catholic Tradition.” Six courses are required:

- TRS 97 The Bible and Its Interpretation;
- two of the following three courses, preferably in sequence: TRS 101 Origins of Christianity, TRS 102 Medieval Christianity, and TRS 103 Reformation Eras;
- either TRS 141 Christian Ethics or TRS 143 Catholic Social Teaching;
- and two electives from a list of classes focusing on the Catholic tradition.

#### PREREQUISITE GRADE

Theology & Religious Studies 97 is a prerequisite for any upper-division theology & religious studies course; however, only a passing grade in TRS 97 is required, not a minimum grade of C-.

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**C O U R S E S**

**LOWER DIVISION**

**97 The Bible and Its Interpretation**

This course focuses on the Bible, the sacred scriptures of the Jewish and Christian peoples. This diverse collection of writings has served as inspiration and catalyst for a great number of central events in human history—from the movements of liberation led by Mahatma Gandhi and Martin Luther King, Jr., to the great human tragedies of slavery in the Old South and the medieval Crusades. These texts have also had a profound influence on art, literature, philosophy, and politics for over two thousand years of history, particularly in the West. As such, an understanding of the Bible is essential for a well-informed perspective on the world. This course will introduce students to the most important biblical events and themes, raising questions of the influence and relevance of this text for the modern world. This course will also teach students to employ critical, scholarly tools for reading and interpretation, such as historical and literary criticism, as well as various lenses for the modern academic study of religion. Co-curricular lectures are an integral part of this class. *Satisfies Theological Understanding (Christian Foundations) of the Core Curriculum.*

**UPPER DIVISION**

**CHRISTIAN HISTORY**

**100 Topics in Christian History**

An investigation of a topic in Christian history not covered by the regular offerings of the department. Topics are announced prior to registration each semester. May be repeated for credit when content changes. *Prerequisite:* TRS 97.

**101 Origins of Christianity**

The Christian religion begins its story with only a few dozen followers of a crucified man in the first century—backwater, uneducated, and unlikely to survive very long in a Mediterranean world dominated by much more powerful religious systems. Yet, within less than three centuries, Christianity would overwhelm the Roman Empire and beyond, building an elaborate theological and ecclesiastical system that would last until the present day. This course examines the rise of this Christian movement, focusing on such topics as Gnosticism, martyrdom, and the development of Christian ideas about Jesus. *Prerequisite:* TRS 97. *Satisfies Theological Understanding (Theological Explorations) of the Core Curriculum.*

**102 Medieval Christianity**

The European Middle Ages was a world dominated by monks, popes, and mystics. Life was an uninterrupted struggle between heaven and hell, life and death, priests and kings. This course is an introduction to the major figures, events, and movements of this period from the fall of Rome to the dawn of modernity. Students will have the opportunity to explore the great pillars of medieval religion—monasticism, papalism, theology, and mysticism. *Prerequisite:* TRS 97. *Satisfies Theological Understanding (Theological Explorations) of the Core Curriculum.*

**103 Reformations**

Every age of Christian history has been marked by the call for religious reform—renewing both the personal lives of each believer and the institutional structures that endure through the centuries. However, such a universal passion for reform took on special importance in the 15th and 16th centuries, a period that has come to be known as The Reformation. This course explores the variety of reforming voices—Protestant and Catholic—that shaped the future of Christianity, giving special attention to the major theological and political issues that dominated the time. *Prerequisite:* TRS 97. *Satisfies Theological Understanding (Theological Explorations) of the Core Curriculum.*

**104 Challenge of Modernity**

The challenge of modern times for Christian faith means both Christianity's challenge from modernity and her challenge to it. How has an old faith with the wrinkles of millennia coexisted, commingled, contended with the new and even shrill cry that we dare to know, that we find truth for ourselves, that we revolt and be free, and that no church or creed or state stand in the way of such freedom, truth, and knowledge? The various critiques of religion which have emerged since the Enlightenment have raised issues which call into question the possibility of Christian faith. This course will explore several of those issues (especially regarding the doctrines of God, creation, incarnation, and grace) in order to appreciate the truth and relevance of the critiques. It will then consider how responsible persons today can express the Christian faith in such a way as to take account of the critiques. *Prerequisite:* TRS 97.

**SCRIPTURE**

**110 Topics in the Study of Scripture**

An investigation of a topic in scripture not covered by the regular offerings of the department. Topics are announced prior to registration each semester. May be repeated for credit when content changes. *Prerequisite:* TRS 97.

**111 The Pentateuch**

A study of the first five books of the Bible, the history of their composition, and their theological contributions to Judaism and Christianity. *Prerequisite:* TRS 97.

**114 The Gospel of Mark**

A close study of the Gospel of Mark with an emphasis on its literary, historical, social, and political background. *Prerequisite:* TRS 97. *Satisfies Theological Understanding (Theological Explorations) of the Core Curriculum.*

**115 Jesus and His Teaching**

An exploration of teachings attributed to Jesus in the Synoptic Gospels (e.g., the Sermon on the Mount, parables, and other memorable statements), emphasizing the ways in which Jesus' statements have been interpreted and appropriated. *Prerequisite:* TRS 97. *Satisfies Theological Understanding (Theological Explorations) of the Core Curriculum.*

**116 Paul's Letters and Legacy**

An in-depth examination of the letters of Paul, focusing on the mission and message of the apostle in his Jewish and Greco-Roman contexts. Students develop a broad understanding of the apostle's work and thought, as well as an appreciation for the historic and continuing impact of these documents. *Prerequisite: TRS 97.*

**117 Wealth and Poverty in the Bible**

This course explores biblical and theological perspectives and values on wealth, poverty, and economic justice, paying particular attention to potential implications those issues may have for the contemporary Christian community and wider society. *Prerequisite: TRS 97. Satisfies Theological Understanding (Theological Explorations); American Diversity; and Common Good of the Core Curriculum.*

**119 Apocalypse and Eschatology**

Earthquakes, war, and famine...the lamb, the dragon, and the beast...persecution, judgment, and re-creation...For nearly 2000 years, the Book of Revelation has fascinated, frightened, and perplexed its Christian readers. Is it a literal prediction of the coming end of the world? Is it an elaborate, symbolic allegory about the battle between good and evil? Is it a coded message between the persecuted Christians of the first century? This course will explore the life and afterlife of the Book of Revelation: its origins in contemporary Jewish and Christian literature and world-views, its meaning for a first-century Christian readership, and the long and fascinating history of its interpretation, from the early church to modern fascination with the Antichrist, the Millennium, and the Rapture. *Prerequisite: TRS 97. Satisfies Theological Understanding (Theological Explorations) of the Core Curriculum.*

**CONTEMPORARY CHRISTIAN THOUGHT**

**120 Topics in Contemporary Christian Thought**

An investigation of an area of Christian thought not covered by the regular offerings of the department. May be repeated for credit when content changes. *Prerequisite: TRS 97.*

**121 Belief and Unbelief**

An investigation, theoretical and existential, of the challenge of faith today with special attention to the "new atheists" and Christian responses to them. *Prerequisite: TRS 97.*

**122 Jesus: The Person and the Myth**

This course examines the traditional sources of the Christian community's understanding of Jesus of Nazareth in the light of contemporary concerns and critiques. *Prerequisite: TRS 97. Satisfies Theological Understanding (Theological Explorations) of the Core Curriculum.*

**123 Sex and the Spirit**

An exploration of a contested area in Christian thought today, setting traditional understandings in dialogue with contemporary concerns and critiques. How does our experience of ourselves as sexual beings open us to the experience of the holy, and conversely, how might our desire for God be intimately related to our sexual desire and longings? These are the questions that will be the focus of our work. Not a course on sexual ethics, this course is an exploration of the complex interrelationship of sexual and spiritual desire as both are reflected upon in the Christian spiritual tradition and others. *Prerequisite: TRS 97. Satisfies Theological Understanding (Theological Explorations) of the Core Curriculum.*

**124 War and Violence**

This course provides a brief overview of Christian attitudes toward war, and then explores current authors, with the aim of stimulating students to arrive at a considered and responsible position. *Prerequisite: TRS 97.*

**125 Women in the Christian Tradition**

An introduction to the major themes and tensions that shape the study of women in the Christian tradition. *Prerequisite: TRS 97.*

**126 Theology of Creation: The Incarnate Word in an Evolving Universe**

It is popularly thought that Christian faith and evolutionary biology are firmly opposed to one another, and that Christians frequently underplay ecological concerns because of an excessive emphasis on a salvation from this world and into the world of heaven. This course will seek to debunk both of those assumptions by exploring a theology of Creation that understands Creation to be nothing less than the outpouring of the love of the Trinitarian God. The course will explore the emerging new scientific story of the universe, and harvest the rich insights about Creation that can be gleaned from the First and Second Testaments, the patristic and medieval traditions, and contemporary systematic theology. *Prerequisite: TRS 97. Satisfies Theological Understanding (Theological Explorations) of the Core Curriculum.*

**SACRAMENTS AND SPIRITUALITY**

**130 Topics in Spirituality**

An investigation of a topic in spirituality not covered by the regular offerings of the department. Topics are announced prior to registration each semester. May be repeated for credit when content changes. *Prerequisite: TRS 97.*

**131 Christian Spirituality**

This course explores the experience, understanding, and living out of the Christian faith. It studies classical and contemporary texts of some of its most important figures of Christian spirituality. It examines various expressions of spirituality in architecture, poetry, painting, and music. It considers the question of religion versus spirituality as well as the question of relating to God within a universe of galaxies that seems to dwarf all human experience. *Prerequisite: TRS 97.*

## Curriculum Theology & Religious Studies

### 132 Sexuality, Marriage and Family:

#### A Catholic Perspective

A presentation of the teaching of the Church on all aspects of sexuality, marriage and family. *Prerequisite:* TRS 97.

### 133 Life Stories and Theology

Uses narratives of exemplary lives, ancient and modern, Christian and non-Christian, as a tool to investigate the task of authentic existence today in the light of the gospel. *Prerequisite:* TRS 97.

### 134 The Catholic Imagination

The thesis of this course is that there is a unique way of looking at the world: “the Catholic Imagination.” This imagination can be discerned, not only in church teaching, but also in art and architecture, music—both “sacred” and “secular,” painting, fiction, poetry, and film, in the church’s concern for social justice, and in the stories of individual women and men of faith, many of whom have shown incredible vision and heroism. *Prerequisite:* TRS 97.

## ETHICS

### 140 Topics in Christian Ethics

An investigation of a topic in ethics not covered by the regular offerings of the department. Topics are announced prior to registration each semester. May be repeated for credit when content changes. *Prerequisite:* TRS 97.

### 141 Christian Ethics

This course introduces students to the disciplined study of ethics in the Roman Catholic tradition and the reformulation of Catholic ethics which has taken place in the spirit of Vatican II. The primary focus is on the fundamental topics of moral theology: what difference Jesus makes to moral theology, the role of scripture, virtue, the conscience, sin and conversion, the fundamental option, proportionalism, the teaching authority of the church on moral matters, and the relation of morality to civil law. Concrete issues such as contraception and homosexuality will be considered as test cases for Roman Catholic moral theology and as illustrations of the debates and tensions present in Catholic ethics since Vatican II. This course also integrates the insights of Christian ethics through a discussion of film and drama. *Prerequisite:* TRS 97. *Satisfies Theological Understanding (Theological Explorations) of the Core Curriculum.*

### 142 Medical Ethics

Ethics—how we should live—is at the core of medical practice. With the dramatic changes in medical practice in recent decades, from new technologies, to changes in financing, to a changed conception of patient rights, medical ethics has rapidly moved from obscurity to become one of the most important areas of applied ethics. This course explores the relation between religious and moral values and the choices we as individuals and as a society make about health care. Basic principles and methods of contemporary medical ethics will be introduced along with a focus on virtue ethics and competing models of the patient-physician relationship. A wide range of issues will be analyzed: informed consent, confidentiality, research

on human subjects, reproductive technology, appropriate care for seriously ill newborns, abortion, gene therapy, quality-of-life assessments, terminal sedation, withdrawal of nutrition and hydration, physician-assisted suicide, and proposals for health-care reform. *Prerequisite:* TRS 97. *Satisfies Theological Understanding (Theological Explorations) of the Core Curriculum.*

### 143 Catholic Social Teaching

Explores the Catholic approach to questions of social justice (e.g., the problems of poverty, exploitation, and racism). *Prerequisite:* TRS 97.

## WORLD RELIGIONS

### 150 Topics in World Religions

An investigation of a topic in world religions not covered by the regular offerings of the department. Topics are announced prior to registration each semester. May be repeated for credit when content changes. *Prerequisite:* TRS 97.

### 151 Judaism

Modern Jewish life is the product of more than 3000 years of evolving thought, worship, traditions, theology, history, and civilization. This course examines these interweaving strands of Jewish civilization as it investigates the dynamic role Judaism plays for its adherents then and now. *Prerequisite:* TRS 97. *Satisfies Theological Understanding (Theological Explorations) of the Core Curriculum.*

### 152 Islam: Beliefs and Practices

The course introduces the students to the ideas that shaped Islamic history, from the early pre-Islamic period and the conditions prevalent at Islam’s inception all the way to the present. The basic belief system, rituals, mystical traditions and Islamic societal interaction will be studied with ample references from the Qur’an and prophetic statements. The Prophet Muhammad will be explored in depth and various sources of historical record will be examined. *Prerequisite:* TRS 97.

### 153 Eastern Religions

This course is an introduction to the study of religion by way of four of the world’s major traditions: Hinduism, Buddhism, and the Chinese religious field (Confucianism and Taoism). The emphasis will be on each tradition’s views of the nature of ultimate reality, human nature, the highest good that life can attain, and the conduct that leads to that attainment. Attention will also be given to the difficulties of trying to cross conceptual boundaries. *Prerequisite:* TRS 97.

### 154 Hinduism

This course examines the cultural/religious phenomenon of “Hinduism” in a number of its ancient and modern forms by examining how it has developed in the context of historical forces and responded to the modern world as it adapts to a global setting. It examines dimensions of Hindu theology and philosophy; the role of deities, temples, and cultural practices; investigates central myths, much-loved stories, global gurus, and Bollywood films. *Prerequisite:* TRS 97.

**155 Buddhism**

This course examines the history, thought, and practice of Buddhism by studying the enduring themes and cultural adaptations of its main schools through primary and secondary texts, art, video/audio, and field trips. We trace a number of Buddhism's developments from its founding in India to its present forms around the globe by examining each of the Three Jewels, that is, Buddha, Dharma, and Sangha. *Prerequisite: TRS 97.*

**156 Religions of India**

India's long and rich history of religious diversity is both well-known and highly complex. We focus our study on a number of religious traditions (Hinduism, Islam, Buddhism, Sikhism, Jainism, and Parsi) within a wide variety of their historical and cultural settings. Our study will examine both individual traditions and the complex history of their interaction. We'll also examine how religions interact with political, social, and economic systems as well as look at examples of religious pluralism together with its promises and problems in historic and contemporary settings within India and beyond. *Prerequisite: TRS 97.*

**157 Pluralism and Interreligious Dialogue**

This course proceeds under the assumption that various of the world's religions are similar in enough ways to make some comparison possible and different enough to make it interesting. The history, prospects, and limitations of interreligious dialogue are considered within the context of an increasingly pluralistic world. *Prerequisite: TRS 97.*

**RELIGION AND CULTURE**

**160 Topics in Religion and Culture**

An investigation of a topic of religion and culture not covered by the regular offerings of the department. Topics are announced prior to each semester. May be repeated for credit when content changes. *Prerequisite: TRS 97.*

**161 Religion and Literature**

An exploration of the rich relationship between literary productions and religious commitment. *Prerequisite: TRS 97.*

**162 Biblical Themes in Literature**

Religious and biblical themes are woven into important works of modern American fiction. This course usually features a critical reading of biblical texts like *Genesis*, *Exodus*, and *Maccabees* followed by a reading of plays and novels like *Inherit the Wind*, *A Different Drummer*, and *The Chosen*. *Prerequisite: TRS 97.*

**163 Saints Yesterday & Today**

We often think of Saints as exceptionally holy people, but they were first of all flesh-and-blood human beings like each of us. Every religious tradition has them—men and women who, beyond the ordinariness of life's circumstances, lived or did extraordinary things. And so we venerate them because they have become heroes, models, examples, and mediators between ourselves and God whom they now see face to face. In this course we will encounter Saints and saints—ancient, modern,

hidden, popular, unknown, heroic—and explore their lives in history, in devotion, in literature, in art, and in the tradition of the Church. *Prerequisite: TRS 97. Satisfies Theological Understanding (Theological Explorations) of the Core Curriculum.*

**164 Dante and The Divine Comedy**

This course offers an in-depth spiritual and literary exploration of one of the greatest works of world literature: Dante's *Divine Comedy*. The theme of pilgrimage engages both Dante and the students in a journey to redemption by a deep acquaintance with sin (*Inferno*), an experience of repentance and forgiveness (*Purgatorio*), and a vision of eternal re-union (*Paradiso*). The course explores the profound and eternal consequences of choice and free will as God's greatest gift, and how our understanding and experience of love grows in clarity through the greater union of ourselves with the divine. Dante and his readers – all pilgrims – struggle toward maturity while wrestling with the disguises and even the glamor of evil, the necessity of personal honesty and introspection, and the unexpected breadth of God's mercy. *Prerequisite: TRS 97. Satisfies Theological Understanding (Theological Explorations) of the Core Curriculum.*

**165 Spiritual, Not Religious: Emerson to the New Age**

The American tradition of individual seeking in religion is as old as the Republic, but may be said to have its serious origin in the writings of Ralph Waldo Emerson. This course seeks to situate the contemporary phrase "spiritual, not religious," in a larger historical context and to compare contemporary American understandings of spirituality without institutional borders to more traditional understandings of spirituality. *Prerequisite: TRS 97. Satisfies Theological Understanding (Theological Explorations) of the Core Curriculum.*

**166 Spirituality in Practice: Catholics in America**

This course takes a cultural and theoretical approach to religion and focuses on Catholicism as it is experienced and practiced in everyday life. We will explore religion through concepts such as space, time, power, material culture, ritual, and the body, and use these concepts to understand more deeply the experience and practice of spirituality. Throughout the course, we will pay attention to the religious forms that develop when cultures come together, collide, or in other ways interact, and the relationship between religion and race, ethnicity, class, and gender. Students will have the opportunity to use theoretical ideas developed in the class to analyze practices such as religious pilgrimage and altar-building, and the role of material culture and the body in religious experience. The course is cross-listed with Ethnic Studies. *Prerequisite: TRS 97. Satisfies Theological Understanding (Theological Explorations) and American Diversity of the Core Curriculum.*



## Curriculum Theology & Religious Studies

### 167 Visual Theology: Christian Art and Architecture

This course examines the art and architecture that artists over the centuries have created in their attempts to give visible embodiment to their religious experiences. The course focuses on what their creations reveal of how they understood the gospel, what they saw as essential to that message, how well they gave expression to the deepest longings of the human heart, and the influence of their creations on our understanding of the Christian faith. The course also examines such things as the role and power of visual communication, mining art both Christian and secular for its theological insight. *Prerequisite: TRS 97. Satisfies Theological Understanding (Theological Explorations) of the Core Curriculum.*

### 168 Encountering Christian Art: Rome

This quarter-credit course is an on-site introduction and exploration of the theological dimensions of the works of Christian art and architecture in the city of Rome, focusing on the churches of Rome where much of this art is housed, but also featuring study of the catacombs and the Vatican Museums. *Prerequisite: TRS 97.*

### 169 Theory and Method in the Study of Religion

This course focuses on the theories and methods that have been foundational to the academic study of religion. It covers classical and contemporary approaches to the study of religion and the development of religious studies as an academic discipline. *Prerequisite: TRS 97. Limited to TRS majors and minors.*

### 171 Gender and Religion in American Culture

This course focuses on the relationship between gender and religion in North American history and culture. We will explore gender as a category of analysis for the study of religion, and the ways that religions construct and deconstruct gender norms. Religion is lived and practiced, and therefore it cannot be separated from the gendered bodies that people inhabit. We will use historical and contemporary case studies to examine the way that notions of femininity and masculinity have played a role in the religious lives of Americans. The course is cross-listed with Women's and Gender Studies. *Prerequisite: TRS 97. Satisfies Theological Understanding (Theological Explorations) and American Diversity of the Core Curriculum.*

## INTENSIVE INQUIRY COURSES

### 190 Intensive Inquiry in Christian History

An in-depth investigation of a topic in Christian history, designed for TRS majors and minors. Topics are announced prior to registration each semester. May be repeated for credit when content changes. *Prerequisite: Two TRS courses, or permission of instructor.*

### 191 Intensive Inquiry in Scripture

An in-depth investigation of a topic in Scripture, designed for TRS majors and minors. Topics are announced prior to registration each semester. May be repeated for credit when content changes. *Prerequisite: Two TRS courses, or permission of instructor.*

### 192 Intensive Inquiry in Contemporary Christian Thought

An in-depth investigation of a topic in Contemporary Christian Thought, designed for TRS majors and minors. Topics are announced prior to registration each semester. May be repeated for credit when content changes. *Prerequisite: Two TRS courses, or permission of instructor.*

### 193 Intensive Inquiry in Sacraments and Spirituality

An in-depth investigation of a topic in Sacraments and Spirituality, designed for TRS majors and minors. Topics are announced prior to registration each semester. May be repeated for credit when content changes. *Prerequisite: Two TRS courses, or permission of instructor.*

### 194 Intensive Inquiry in Ethics

An in-depth investigation of a topic in Ethics, designed for TRS majors and minors. Topics are announced prior to registration each semester. May be repeated for credit when content changes. *Prerequisite: Two TRS courses, or permission of instructor.*

### 195 Intensive Inquiry in World Religions

An in-depth investigation of a topic in World Religions, designed for TRS majors and minors. Topics are announced prior to registration each semester. May be repeated for credit when content changes. *Prerequisite: Two TRS courses, or permission of instructor.*

### 196 Intensive Inquiry in Religion and Culture

An in-depth investigation of a topic in Religion and Culture, designed for TRS majors and minors. Topics are announced prior to registration each semester. May be repeated for credit when content changes. *Prerequisite: Two TRS courses, or permission of instructor.*

### 197 Special Study

An independent study or research course for students whose needs are not met by the regular course offerings of the department. *Permission of the department chair and instructor required.*

### 198 Special Study – Honors

An independent study or research course for upper-division majors with at least a B average in theology & religious studies. *Permission of the department chair and instructor required.*



## WOMEN'S AND GENDER STUDIES

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Women's and Gender Studies asks fundamental questions about human existence: is a man born or made? What is a woman? Are those the only identities available to humans throughout history? What is femininity? What is masculinity? How are ideas and feelings about sex and gender shaped? What structures and social forces are involved in shaping them? An interdisciplinary program that invites students to take classes in anthropology, sociology, history, literature, politics and others, 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 have changed over time; and to analyze how race and class intersect with sexualities and gender to construct modern society and popular culture. The program focuses on uncovering the contributions women have made to society through history and how they have envisioned social justice and the common good. True to its roots in social movements that fought for equality, 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, sociology, politics, English, psychology, biology, history, theology and religious studies, Spanish, ethnic studies, and performing arts.

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### LEARNING OUTCOMES

When they have completed a minor or major in the Women's and Gender Studies Program students will be able to:

- **RECOGNIZE**, evaluate and interpret assumptions and arguments about gender in scholarly, popular, public and interpersonal discourses.
- **DISTINGUISH** and evaluate diverse theories of feminism and address debates regarding gender in a wide variety of interdisciplinary fields such as politics, history, biology, art history, psychology, anthropology, sociology, literature, religious studies, popular culture and communication.
- **WRITE** clear and well-reasoned prose which acknowledges complex and diverse points of view and methods of critical inquiry, especially those which address constructions of gender, race and class in language.
- **CONTINUE** to explore areas of social justice in theory and in practice, particularly those related to gender, women and sexualities in society.
- **CONSIDER** ways to engage in intellectual and social activities and advocacy which increase the individual's understanding of global and local citizenship and community responsibility.

## Curriculum Women's and Gender Studies

### MAJOR REQUIREMENTS

The major requires 12 courses. Four are core courses in Women's and Gender Studies: one lower-division (WGS 1) and three upper-division (WGS 100, WGS 177, and WGS 190). Eight are upper-division electives cross-listed with Women's and Gender Studies. 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; one cross-listed January Term course may be petitioned for credit; and at least one course must focus on non-Western, Third World, or minority U.S. women. 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.

### MINOR REQUIREMENTS

The minor requires six classes: three core courses (WGS 1, 100, 177), and 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 non-Western, Third World, or minority U.S. women.

### SPLIT MAJORS

Split majors between Women's and Gender Studies and other disciplines are available by arrangement. For more information and requirements, contact the program director.

### PREREQUISITE GRADE

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

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## C O U R S E S

### CORE COURSES

#### 1 Introduction to Women's Studies

An introduction to the interdisciplinary field of Women's and Gender Studies. The course provides a broad perspective on research in gender in a variety of disciplines (including sociology, psychology, politics, philosophy, history, and literature). Topics include the historically changing representations of women; the history of the women's movement in the United States; globalization; contemporary feminisms, sexualities, ecology, and the intersection of gender, race, and class. A goal of the course is for each student to develop a critical perspective on the meaning of gender in our society. *Of the pre-2012 general education requirements, this course fulfills Area C requirement and may fulfill Area A by petition. Satisfies Social, Historical, and Cultural Understanding and Common Good of the Core Curriculum.*

#### 100 Research Seminar in Women's and Gender Studies

An exploration of a theme or problem area in the field of Women's and Gender Studies. Past topics have included: women and work; gender and science; gender and popular culture; women in the Third World; cultural representations of gender; women and the media; masculinities; the history of sexuality. The course combines seminar discussions of texts that represent a variety of methodologies and disciplines with research papers. Research topics are designed by individual students in consultation with the instructor. *Prerequisite: WGS 1 or permission of instructor.*

#### 177 Feminist and Gender Theories

This seminar provides a series of inquiries into the diverse theoretical frameworks of contemporary feminism. Critical race theory, cultural studies, post-structuralism, Marxist and postcolonial theories, gender difference and queer theories, sexualities studies, ecofeminism, and third-wave identity politics are a few of the directions in discussion and research. *Prerequisite: WGS 1 or permission of instructor.*

#### 190 Senior Seminar

Critical examination of theories and issues in contemporary Women's and Gender Studies methodologies. Directed readings, research, and writing of a final senior paper or project under the supervision and approval of instructor. *Prerequisites: Upper-division standing; WGS 1; WGS 100 and 177. Open to minors upon approval of director and instructor of the course. (In the case of a split or double major, Women's and Gender Studies 190 may be taken in conjunction with thesis work in the other discipline. In the case of a minor, WGS 190 may be taken in conjunction with thesis work in the major.)*

### REGULARLY OFFERED ELECTIVES

#### 88 Biology of Women

Biology of women is an introduction to the structure, physiology, and genetics of women across the lifespan. We study physiology and development from conception, through puberty, pregnancy and aging. The first half of the course explores the genetic, hormonal, and developmental basis for one's gender. The latter part of the course deals with specific health concerns of women and focus on the high frequency or uniquely gender-related illnesses and their physiologic basis. *(Cross-listed as Biology 88)*

#### 106 Gender Politics

A study of the social, economic, political, and legal status of women in contemporary America. The course is an introductory survey of the dynamic changes taking place in the relationship between women and men. Topics include the history of women's liberation movements, the Equal Rights Amendment, abortion, sexism in the workplace, feminist social theory, and women in politics. *(Cross-listed as Politics 106)*

**111 Kinship, Marriage and Family**

For more than a century anthropological research has focused on households, kinship relations, childhood and families across cultures and through time. The anthropological record shows us that concepts such as "marriage," "childhood," and "family have been understood in radically different ways, and this course provides students with an historical and theoretical perspective on the anthropological study of kinship as it relates to different issues connected to the state of marriage, family, and childhood throughout the world. *(Cross-listed as Anthropology 111)*

**115 Theories of Justice**

The course examines different definitions and views of justice: justice and race; justice and gender; justice and welfare; international justice; justice and the law; environmental law; court cases and current debates on euthanasia, abortion, and pornography. *(Cross-listed as Politics 115)*

**116 New Immigrants and Refugees**

Looks at the attitudinal and legal reactions to immigrants and refugees in the United States. Emphasis is placed on the new Americans, why they come, and how they differ from earlier migrants. Special attention is given to the impact of new immigrant groups in California. *(Cross-listed as Sociology 116)*

**120 Transgression and Defiance in the Texts of Contemporary Latin American Women Writers (in Spanish)**

Women's writing in Latin America has transformed traditional images of women, their societies, and the cultural and political context that they narrate. This course is a survey of Latin American women writers breaking out of the literary tradition. *(Cross-listed as Modern Languages 120)*

**121 Dance History 1**

This course covers the development of dance from its roots in court dancing through the development of ballet to the beginning of the modern era. Students attend professional dance concerts in the Bay Area. *(Cross-listed as Performing Arts 121)*

**125 Gender and Culture**

While sex is biological, gender refers to the set of cultural expectations assigned to males and females. This course takes a four-field anthropological approach to understanding gender, investigating such topics as third and fourth gender diversity, gender among non-human primates, gender roles in prehistory and the sociolinguistics of gender usage. Special attention is paid to the ways in which gender articulates with other social practices and institutions such as class, kinship, religions and subsistence practices. *(Cross-listed as Anthropology 125)*

**125 Gender and Society**

While sex differences are biological, gender encompasses the traits that society assigns to and inculcates in males and females. This course studies the latter: the interplay between gender and society. It takes an inclusive perspective, with a focus on men and women in different cultural contexts defined by ethnic group membership, sexuality, and socioeconomic status. *(Cross-listed as Sociology 125)*

**139 History of Women in America**

A survey of American women's history from 17th century colonial encounters to the present with an emphasis on ethnic and class diversity, shifting definitions and cultural representations of womanhood, and the efforts of women to define their own roles and extend their spheres of influence. *(Cross-listed as History 139)*

**147 Psychology of Gender**

A critical review of the theory and research on gender from the biological, psychological, and sociological perspectives. The course explores the social construction of gender and how it impacts human development and social behavior. Throughout the course, the interaction between gender and the complexities of race, culture, and sexual orientation is considered. *Prerequisites: Psych 1 and 2. (Cross-listed as Psych 147)*

**151 Women in Latin American History**

An examination of the participation of women in struggles for social justice in Latin America, analyzing what has motivated women to abandon traditional roles and how they have shaped debates about human rights, democracy, feminism, ecology, and socialism in selected Latin American countries.

**153 U.S. Latino/a Literature and the Americas (in English)**

An introduction to the literature and cultures of Latinos/as in the United States, with prose and poetry from Chicanos/as, Cuban Americans, Dominican Americans, and Puerto Ricans, exploring memory, exile, language, family, and displacement. *(Cross-listed as English 153)*

**173 Women Writers**

Intensive study of some aspect of literature by women. Examples of possible topics are: 19th-century British novelists, contemporary women poets, American and Canadian short story writers. May be repeated for credit as content varies. *(Cross-listed as English 173)*

*In addition new courses are approved on a term-to-term basis. Examples of such electives include English 154 (African-American women writers) or 141 (medieval women writers), Art History 194 (history of women artists).*













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**Reed K. Thompson '80**

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**Kenneth E. Vincent '52**

**Arline B. Walter, M.B.A. '93**

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**Michael R. Zumbo '82**

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## College Government

### LIVING TRUSTEES EMERITI (2013–2014)

<i>Name</i>	<i>Years of Service</i>	<i>Name</i>	<i>Years of Service</i>
Lawrence R. Cory	1960–1971	Maryellen B. Cattani Herringer <i>Trustees Chair, 1993–1995</i>	1990–1999
The Most Rev. John S. Cummins, D.D.	1969–1979	Brother Louis DeThomasis, FSC	1990–1999
Brother S. Dominic Ruegg, FSC	1973–1983	George Vukasin	1990–1999
Brother Dominic A. Berardelli, FSC	1981–1986	Giles Miller, M.D.	1993–2002
Brother William Beatie, FSC	1978–1988 1994–2003	B. J. Cassin <i>Trustees Chair, 1995–1999</i>	1994–2003
Kenneth H. Hofmann	1979–1989	Brother Craig J. Franz, FSC <i>Ex-Officio as President</i> <i>SMC President 1997–2004</i>	1997–2004
Brother David Brennan, FSC <i>Ex-officio as Provincial</i>	1983–1993 1995–1993	N. W. (Bill) Jasper, Jr. <i>Trustees Chair 1999–2003</i>	1997–2006
Raymond O'Brien <i>Trustees Chair, 1985–1987</i>	1983–1993	Nicholas G. Moore <i>Trustees Chair 2003–2005</i>	1997–2006
Peter Bedford	1984–1994	C. Raymond Larkin, Jr. <i>Trustees Chair 2005–2007</i>	1998–2007
Ruth Claeys	1992–1995	James R. Quandt <i>Trustees Chair 2007–2009</i>	1999–2009
Brother Mark Murphy, FSC <i>Ex-officio as Provincial</i> <i>Trustees Chair, 1989–1993</i>	1987–1995	Sherie Dodsworth	2002–2010
Arthur Latno, Jr. <i>Trustees Chair, 1987–1989</i>	1986–1996	Brother Stanislaus Campbell, FSC <i>Ex-officio as Provincial 2003–2011</i>	2003–2011
Brother Patrick Ellis, FSC	1986–1997	Brother Ronald Gallagher, FSC, Ph.D. <i>Ex-officio as President</i> <i>SMC President 2004–2013</i>	2004–2013
Brother Michael Meister, FSC	1988–1997		
Brother Mel Anderson, FSC <i>Ex-Officio as President</i> <i>SMC President 1969–1997</i>	1969–1997		
Bernard A. Orsi	1989–1998		





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# Campus Map



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*This catalog has been prepared for students, faculty, and officers of Saint Mary's College of California, and others wishing to know more about the College's*

*programs and activities. The information contained herein is accurate as of the date of publication (May 2013). However, Saint Mary's College of California*

*reserves the right to make from time to time and without prior notice such changes in its operations, programs, and activities as the Trustees, College*

*president, administrators, and faculty consider appropriate and in the best interest of Saint Mary's College of California.*





**On the cover:** Volunteers stenciled a map of the U.S. on the playground at Cesar Chavez Elementary School in Richmond, part of Saint Mary's and KTVU-TV's "Great Bay Area Service Day for Schools."