

Engineering

Michael W. Botsko, Chairperson of the Mathematics Department,
Program Coordinator
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Saint Vincent College, in conjunction with several University Schools of Engineering, offers a five-year cooperative liberal arts and engineering program. The student normally spends three years at Saint Vincent College, during which time a student's studies concentrate on liberal arts subjects and the general science prerequisites for an engineering major, and then, in two years at the engineering college, fulfills the remaining engineering requirements. Upon satisfactory completion of all coursework at Saint Vincent College and recommendation by the Mathematics Department, students are guaranteed of acceptance at Pennsylvania State University. Saint Vincent College also has formal agreements with The University of Pittsburgh and The Catholic University of America. Under these programs The University of Pittsburgh and The Catholic University of America each will admit up to eight qualified students from Saint Vincent College per year. At The University of Pittsburgh some departments may require Summer Term attendance prior to the student's first fall term at Pitt and/or an additional term or year of course work. Upon recommendation by the Mathematics Department, students have also been accepted at such schools as Boston University, Carnegie-Mellon University, M.I.T., University of Detroit, Drexel University and Lehigh University.

Under this program the student receives two degrees: a Bachelor of Arts degree from Saint Vincent College and a Bachelor of Science degree in the appropriate branch of engineering from the engineering college. Students in the 3-2 engineering program may graduate from Saint Vincent College after successful completion of 45 credits from their engineering school excluding co-ops.

See requirements under Mathematics Department.

English

Dennis D. McDaniel, Chairperson
Fr. Wulfstan Clough, O.S.B., Gloria Kerr, Sara Lindey, Michelle Gil-Montero, William C. Snyder, Richard D. Wissolik

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The English Department at Saint Vincent College provides an atmosphere and a setting for professors and students to continue the 2500-year-old conversation about text, language, creativity, and imagination. With literature at the center of the conversation, students pursue focused intra-textual reading and apply wider insights that cross national, historical, critical, and disciplinary boundaries. Teachers are devoted to the perennial investigation of beauty and truth, the elasticity and fixity of language, the moral valences of scriptural and non-scriptural books, the complexities of gender, and the quest for self through the ideas of others. As participants in these processes, students think, research and write more fluently about the canon as well as popular culture. Giving direction and resonance to these departmental endeavors are the Benedictine values of community, hospitality, stewardship, and care and concern for the individual. Ultimately, the person graduating with a degree in English will comprehend language both as an instrument and an art, having explored the felicitous tension between creative impulse and traditional form.

English Learning Objectives:

- Do essays demonstrate an understanding of and a satisfactory realization of the formal qualities of the discourse mode (narrative, critical analysis, comparison, argumentation, casual analysis, literary research essay) that frames the chosen portfolio submission?
- Do writing samples demonstrate that the student has achieved a satisfactory level of mastery (B grade) of the Six Principles of Good Writing?
- Have a major's essays progressed from skill level — relative to his or her classmates — represented essays in the portfolio from his or her freshman year?

The English Major: 36 credits

Students majoring in English must take a common curriculum of consisting of courses designed for English majors only along with two historical literature surveys. In addition, English majors, guided by their concentration choice (see below), choose two introductory courses and three advanced courses.

English Major Common Curriculum: 21 credits

English majors must take each of the following courses:

EL 102	Language and Rhetoric*	3
EL 202	Intermediate Writing	3
EL 310	Junior Seminar	3
EL 325	Literary Criticism	3
EL 326	Literary Criticism II	3
EL 400	Senior Seminar	3

* This course does not count toward the major, but it does count toward graduation.

English majors also must take two (2) of the following surveys; at least one must be a British survey, and at least one must be an American survey:

EL 114	British Literature: Middle Ages to Restoration	3
EL 115	British Literature: Neoclassicism to Modernism	3
EL 131	American Literature: Exploration to Civil War	3
EL 132	American Literature: Civil War to Present	3

In addition to the course requirements, all students must develop a portfolio in which they file a sample of their written work in their concentration-related courses and a self-assessment of their learning each semester. Department faculty will evaluate student work after the Senior Project.

Introductory Electives: 6 credits

English majors must take two (2) of the following courses, the successful completion of which will also satisfy concentration requirements. Please note that certain concentrations will, to some degree, dictate students' choices.

EL 109	Business Communications	3
EL 110	Introduction to Creative Writing	3
EL 111	Green Writing: Literature and the Environment	3
EL 113	Women And Literature	3
EL 114	British Literature: Middle Ages to Restoration	3
EL 115	British Literature: Neoclassicism to Modernism	3
EL 119	History Of The English Language	3
EL 121	Faces Of Battle: War And Peace in Literature and the Arts	3
EL 122	African Studies	3
EL 124	Literature and The Bible	3
EL 125	History and Development Of Science Fiction	3
EL 126	Rock 'n' Roll Criticism	3
EL 127	Shakespeare On Film	3
EL 129	Young Adult Fiction	3
EL 130	Children's Literature And Media	3
EL 131	American Literature: Exploration to Civil War	3
EL 132	American Literature: Civil War to the Present	3
EL 137	American Short Story	3
EL 138	Multi-Ethnic Literatures Of The US	3
EL 139	African American Literature	3
EL 140	Myth	3
EL 142	Creative Writing: Magazine Production	3
EL 143	The Beat Generation	3
EL 144	Reading As Writers: Literary Essay	3
EL 145	Reading As Writers: Poetry	3
EL 146	Critical Thinking And Creative Thinking	3
EL 147	Arthurian Literature	3
EL 148	Modern Catholic Literature	3
EL 149	J.R.R. Tolkien	3
EL 151	American Indian Literature	3
EL 152	The Epic	3
EL 153	Satire	3
EL 154	Special Topics in Literature	3
EL 155	Special Topics in Creative Writing	3
EL 156	Special Topics in Professional Writing	3
EL 157	Special Topics in Children's Literature	3

Advanced Electives: 9 credits

English majors must take three (3) of the following courses, the successful completion of which will also satisfy concentration requirements. At least one of these three courses must be a literature course. Please note that certain concentrations will, to some degree, dictate students' choices.

EL 203	Poetry Workshop	3
EL 204	Fiction Workshop	3
EL 208	Pedagogy of Composition	3
EL 210	Classical Greek Poetry & Drama	3
EL 211	Medieval Studies	3
EL 212	Chaucer	3
EL 213	Shakespeare's Histories	3
EL 214	Shakespeare's Comedies/Tragedies	3
EL 216	British Renaissance Literature	3
EL 218	Eighteenth-Century Literature	3
EL 224	The Romantic Age	3
EL 225	The Victorians	3
EL 226	British Modernism	3
EL 236	Modern European Literature	3

EL 242	American Renaissance	3
EL 244	Creative Nonfiction Workshop 3	
EL 252	Creative Writing: Literary Translation	3
EL 257	Sentimental Politics: American Women Writers of the Nineteenth Century	3
EL 258	American Modernism	3
EL 259	Critical Approaches to Children's Literature	3
EL 261	Advanced Studies in Literature	3
EL 264	Advanced Studies in Creative Writing	3
EL 266	Advanced Studies in Professional Writing	3
EL 272	Advanced Studies in Children's Literature	3

Concentration Requirements:

The English Department provides opportunities for students to concentrate their studies toward career development and graduate and professional study. English majors must declare a concentration by the end of their first year. Students who do not declare a concentration by the end of their first year will have a literature concentration by default. A student's concentration determines specific choices of lower and upper-level courses as well as the nature of that student's senior project.

Children's Literature Concentration

The Children's Literature concentration invites majors to focus attention on books written primarily for younger readers. This concentration is well suited to students who are interested in early learning. The following courses fulfill the Introductory Elective requirement of the English major:

EL 130	Children's Literature And Media
EL 129	Young Adult Fiction

(Secondary Education students must substitute another stipulated Children's Literature course for this.)

This course fulfills one of the three Advanced Electives required by the English major:

EL 259	Critical Approaches to Children's Literature
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Creative Writing Concentration

The Creative Writing Concentration is for students interested in writing fiction, poetry and nonfiction. The Concentration encourages students to develop their craft in a genre of choice, in preparation for graduate study in creative writing and related fields. It builds from the English Major's literature foundation by promoting earnest consideration of contemporary writing and the current conversations informing literary art. The following courses fulfill the Introductory Elective requirement for the English major:

EL 110	Introduction To Creative Writing
EL 146	Critical Thinking And Creative Thinking
	or
EL 142	Creative Writing: Magazine Production

As one of the required Advanced Electives, Creative Writing students must complete one of the following, determined by that student's Senior Project:

EL 203	Poetry Workshop
EL 204	Fiction Workshop
EL 244	Creative Nonfiction Workshop

Literature Concentration

The Literature Concentration has a traditional base, with an emphasis on the connections of literature to history and philosophy, and with intensive study of literary elements such as irony, symbolism, satire, comedy and tragedy. However, ample opportunity is provided to investigate the relation of literature and critical applications to special topics and themes, to interdisciplinary affiliations, and to contemporary events and ideas. Students interested in graduate programs in focused literary fields—such as scholarship or college teaching—would find this concentration most appropriate. To concentrate in Literature, students will take one less Introductory Elective in Literature, and one additional Advanced Elective in Literature, equaling four Advanced Electives in English in all.

Professional Writing Concentration

The Professional Writing Concentration prepares English Majors for careers in Technical Writing, Grant Writing, Editing, Documentation Manual Writing, and Corporate Communications. This concentration consists of stipulated major requirements and electives that will give students a background in professional written discourse, design, electronic media, and publishing. In addition, English majors concentrating in Professional Writing will be encouraged to secure a professional writing internship during the junior or senior year

EL 108 Technical Writing

EL 109 Business Communications

Professional Writing students also must complete one of the following, which will count as one of their three required Advanced Electives:

EL 142 Creative Writing: Magazine Production

EL 144 Reading As Writers: Literary Essay

EL 156 Special Topics

or

EL 266 Advanced Studies in Professional Writing

English Certification

The English Certification Concentration is carefully designed through close collaboration between the English and Education Departments at SVC, and is aligned with the requirements set by the Pennsylvania Department of Education. The course sequence emphasizes skill in reading and writing, along with abilities in research and interpretation demanded in the literature classes. Secondary Education students must take the following Introductory Electives:

EL 119 History Of The English Language

EL 129 Young Adult Fiction

English Certification students must also take one of the following Shakespeare courses:

EL 127 Shakespeare On Film

EL 213 Shakespeare's Histories

EL 214 Shakespeare's Comedies/Tragedies

The two remaining Advanced Electives must be advanced electives in Literature.

Along with English courses, English majors seeking English certification must take the following courses, amounting to an additional 37 credits: Psychology courses: PY 115, PY 214, PY 290

Education courses: ED 100, ED 101, ED 205, ED 220, ED 301, ED 400, ED 410, ED 411.

Mathematics course: MA 102 (does not fulfill core)

Cooperative program with Duquesne Law School

This program allows majors to earn their bachelor's degree and Juris Doctor degree in six years. In this program, qualified students who complete their first three years of study at Saint Vincent, fulfilling the Core Curriculum requirements and the requirements for the major, may transfer into the Law program and complete the requirements for the Juris Doctor in three years. For details, see the explanation of this program in the Pre-Law section of the *Bulletin*.

Minor in English: 18 credits

EL 102 Language and Rhetoric 3

EL 325 or 326 Literary Criticism I or II 3

EL 114 British Literature: Middle Ages to Restoration 3

or

EL 115 British Literature: Neoclassicism to Modernism 3

EL 131 American Literature: Exploration to Civil War 3

or

EL 132 American Literature: Civil War to Present 3

EL — Any 2 Advanced courses (200 level)

Minor in Children's Literature: 18 credits

The Children's Literature Minor at Saint Vincent College invites students to combine courses from many areas, to explore a wide range of topics from various disciplines, and to complement their academic aspirations. English majors are ineligible for the minor, but may choose children's literature as their area of concentration within the English major. Centered on exploring children's literature, the minor emphasizes many aspects of the reading, writing, and teaching of texts for age-specific audiences.

Required courses: 12 credits (4 courses)

Children's Literature minors must take these courses:

EL 130 Children's Literature And Media

EL 129 Young Adult Fiction

EL 259 Critical Approaches to Children's Literature

Also, Children's Literature minors must take one (1) of the following:

PY 212 Child Development

PY 214 Adolescent Development

Elective courses: 6 credits

Finally, Children's Literature minors must choose two of the following:

EL 325 Literary Criticism

EL 326 Literary Criticism II

EL 119 History Of The English Language

EL 146 Critical Thinking And Creative Thinking

EL 147 Arthurian Literature

EL 125 History and Development Of Science Fiction

EL 140 Myth

EL 235 The Epic

Typical First-Year Schedule:

Fall Semester

EL 102 Language and Rhetoric 3

EL 114, 115, 131, or 132 British or American Literature 3

Classical or Modern Language 3/4

Mathematics or Natural Science 3/4

100-level History 3

All students will take one course designated as a First-Year Seminar which will satisfy a Core Curriculum requirement.

Spring Semester

TH 119 Exploring Religious Meaning 3

Classical or Modern Language 3/4

Mathematics or Natural Science 3/4

PL 101 1st Philosophy 3

EL 114, 115, 131, or 132 British or American Literature 3

Course Descriptions

The Department attempts to offer each course listed below on a regular basis. Courses required by the English Major or a program offered by another department, or for Secondary Education certification, are offered once or twice a year. Other courses are offered every other year.

EL 099 Grammar and Composition

In this basic writing course, students produce paragraphs and essays at a deliberate pace. Students review grammar and mechanics, and a series of quizzes tests their understanding of sentence basics. In addition to quizzes, the course requires four formal writing assignments, a journal, and a composition portfolio. Prerequisite: Initial placement by the English Department only. Successful completion of EL 099 is a prerequisite for EL 102. Because this is a college preparatory course, it counts toward neither core curriculum nor graduation credit.

EL 102 Language and Rhetoric

This first-year writing course develops students' ability to think clearly and logically and to apply principles of organization, purpose, coherence, support clarity and insight to their writing. Students work independently to produce a composition portfolio by the end of the course and maintain close contact with the instructor throughout the semester. Students draft and revise their papers predominantly on a computerized writing network. Writing assignments include a journal and four formal essays. This course is required of all students for the Core Curriculum. Prerequisite: Initial placement by the English Department or successful completion of EL 099. Three credits. This course does not count toward the English major.

EL 108 Technical Writing

This course acquaints students with technical and business writing in a work setting. Each class session includes readings in problems in English usage and expression, and practice in specific skills—writing clear technical sentences, composing memos and letters, paraphrasing, organizing reports. Prerequisite: Completion of EL 102 and at least sophomore standing. Three credits.

EL 109 Business Communications

In this course, students perform various communication tasks that they may encounter in organizations and professions. Working in simulated corporations, students write short reports and letters, engage in a job campaign, and deliver oral presentations that employ communication technology. At the semester's end, students submit a portfolio of revised written work. Discussions of key business communication principles are informed by the reading of classic works of nonfiction and fiction. Prerequisite: Completion of EL 102 and at least sophomore standing. Three credits.

EL 110 Introduction to Creative Writing

This course introduces the fundamentals of creative writing and the creative process in three genres: poetry, fiction, and creative nonfiction. Students read contemporary works in these genres to explore elements of craft, an exploration extended into weekly writing assignments. Course work also includes frequent in-class writing prompts and a short reading presentation. In the workshop element of the course, students give and receive peer feedback on writing assignments, as a means of honing a vocabulary for critical commentary. Students are required to produce a final portfolio of revised work representing all three genres. This course serves as a prerequisite to advanced courses in Creative Writing and may not be taken after students have taken advanced courses in Creative Writing. Three credits.

EL 111 Green Writing: Literature and the Environment

Green Writing, or, literature about the environment, is defined by its attempt to connect nature (in the widest sense of the word) with human experience (in the widest sense of the words). Along with canonical 19th-century texts, this course canvases short selections of contemporary writing moving topically through issues surrounding concepts such as conservation, biodiversity, and wilderness. Readings may include Thoreau, Hemingway, Silko, Lopez, Carson, Dillard, Williams, among many others. Discussion-oriented class, readings include a multitude of short works and two novels, assignments include notebook, quizzes, term paper, and class participation. Three credits

EL 113 Women and Literature

This course studies the various roles assumed by women, as both characters and authors, in British and American literature. Looking primarily at works written by women, but also considering some works written by men, students consider a number of literary issues including: how women writers participate in the "main-

stream" national traditions of literature, and whether or not there is a distinct, clearly definable "female aesthetic." Course requirements include two shorter essays, class participation, a midterm, and a final examination. Three credits.

EL 114 British Literature: Middle Ages to Restoration

This introductory-level course surveys British literature from Anglo-Saxon times until the restoration of the monarchy in 1660. Students will read representative selections from several genres from the pre-Medieval, Medieval, and Renaissance periods, including epic and lyric poetry, ballads, dramas, and prose works. Stress will be placed on the accomplishments of Chaucer, Shakespeare, and Milton, as well as other notable writers. Some literary history will provide a context within which to examine the development of English literature during these periods. Students must take two-to-three exams and write two-to-three papers. Three credits.

EL 115 British Literature: Neoclassicism to Modernism

This introductory-level course covers major literary works in Britain from the Restoration of the Crown to the 20th century. All major genres within the time span—drama, the verse-essay, the novel, the short story and lyric poetry—are explored and examined as reflections of historical and aesthetic contexts. Authors covered include Dryden, Pope, Swift, Johnson, Wordsworth, Coleridge, Keats, Austen, Tennyson, Hopkins, the Brownings, and Hardy. Students acquire skills in reading the various kinds of literature; they respond to questions and prompts on a weekly basis. Students must take two-to-three exams and write two-to-three papers. Three credits.

EL 119 History of the English Language

This course examines the history of English from a technical standpoint and also from a political, social, and even religious perspective. Students begin with an overview of linguistic theory. Then, concentrating on such linguistic phenomena as Grimm's Law and the Great Vowel Shift, they examine how Anglo-Saxon (Old English) became middle English, and how that in turn evolved into modern English. They also analyze how historical, psychological, and social forces have shaped modern English and what forces may shape it in the future. Student progress is measured by periodic quizzes and in-class exercises, two hourly exams, and a comprehensive final exam. Students have the option of substituting an oral presentation or a major paper for the second hourly exam. This course will also satisfy the interdisciplinary requirement for English majors; it is required of all English majors seeking secondary certification to teach English. Three credits.

EL 121 Faces of Battle: War and Peace in History, Literature and the Arts

This course studies the changing personae of men and women who have been involved in war and peace-making from primitive warfare to Vietnam. Historical concentration may vary, e.g., Wars on American Soil, World War II, etc. Participants read from the works of Xenophon, Pliny, Caesar, the Bible, Shakespeare, Whitman, Crane, Bierce, Hemingway, Owen, Mailer, Jones, and others. Participants will become familiar with "pro" and "anti-war" materials, and the historical changes in attitudes between the heroic/romantic ideal to the critically realistic. Through regular lectures, discussions, audio/visual materials, Power Point presentations, and the insights of invited veterans who have developed their oral histories with the Saint Vincent College Center for Northern Appalachian Studies/Oral History Program, participants become familiar with the development of the doctrine, tactics, strategy, and technology of war, the changing face of the hero, the roots of archetypal motifs, the treatment of human virtue and vice, the role of women, and other aspects of the literature of war. Participants maintain a journal, take quizzes, and prepare a major, final project. Three credits.

EL 122 African Studies

This course investigates elements of African history from earliest times to the partition of the continent by European powers in the 1890s and prepares participants to understand developments in Africa in the twentieth century. Participants study African pre-history, geography, language groups, civilizations of the bow, clearings, granaries, towns, cities and kingdoms, the three major ages of exploration, and the slave trade. Audio/visual materials and Power Point presentations supplement lectures and discussions. Course requirements include a journal, scheduled quizzes, and midterm and final exams. Three credits.

EL 124 Literature and the Bible

In this course, students examine the Bible as a work of literature, both in and of itself and in the ways it has influenced other writers. Students explore the traditions behind the Bible, as well as the different literary genres it contains: myth, historical chronicle, heroic saga, and lyric poetry, for example. They also look at selected works of literature that draw upon or reinterpret the Bible. Grades will be based on a midterm and a final exam, one major paper and two or three essays, occasional quizzes, and class participation. Three credits.

EL 125 The History and Development of Science Fiction

This course examines science fiction as a genre of literature, from its beginnings in the 19th century through the present day. After a look at the mythic roots of science fiction, students read classic works by Jules Verne and H. G. Wells, and proceed to the present with representative works by writers like Arthur C. Clarke, Robert Heinlein, and Ursula K. LeGuin. Along the way they analyze recurring motifs, themes, and concerns; they also examine why this genre holds such fascination for so many people, and how it functions as a kind of twentieth century mythology. Student progress will be evaluated through a midterm and a final exam, a major paper or major project, occasional quizzes and homework assignments, and class participation. Three credits.

EL 126 Rock 'n' Roll Criticism

In this course, students examine the history, artistry, and cultural impact of contemporary popular music by reading the work of critics from academia, mainstream music journals, and the underground press. Students read about and discuss such issues as genre, audience, image, aesthetic value, history, race, and gender. Also, students examine and learn how to analyze the prose style of such popular music critics as Cohn, Marcus, Christgau, Bangs, and Tate. Finally, students develop their ability to write criticism by learning how to listen critically, establish aesthetic criteria, and apply them in written pieces. Journal writing and a midterm and final are required. Three credits

EL 127 Shakespeare on Film

In this course, students read and discuss several key Shakespeare plays and screen a variety of film adaptations from such directors as Kurosawa, Jarman, Zeffirelli, and Olivier. Students will learn how to watch films critically, to understand various approaches to adapting a written text to film, and to express their discoveries effectively through discussion and writing. This course requires a reading and screening journal, as well as a midterm and final exam. Three credits

EL 129 Young Adult Fiction

This course provides the opportunity for students preparing to teach high school English to review recent trends in young adult literature. Class members read and discuss a selection of ten contemporary young adult novels suitable for teaching in the middle school or high school classroom. Text selections may vary but include authors like Cormier, Duncan, George, Patterson, and Peck. Course requirements include two short essays, a reading journal, a collaborative project, two tests, a final exam, and class

participation. This course is required of all students seeking secondary teaching certification in English, and does not fulfill Core except for students who complete either the minor or the certificate in Education. Three credits.

EL 130 Children's Literature and Media

In this course, students will have the opportunity to review both historical and contemporary literature for children. Class members will read and discuss a selection of at least 12 different authors of literature for children from fairy tales to recently published works. Sub-genres under study include, but are not limited to, the picture book, realistic fiction, nonfiction, historical fiction, and fantasy. Course requirements include two short essays, reading quizzes, two exams, and class discussion. Three credits.

EL 131 American Literature: Exploration to Civil War

This course explores the evolution of literary genres, themes, and forms from exploration to the Civil War. From explorers' letters to colonists' sermons, diaries, and poetry to politicians' manifestos of our young republic, and into the slave narratives and rich poetry and fiction of the American Renaissance, this survey course charts the emergence of our national literature. In this discussion-oriented class, readings include a multitude of short works and one novel. Students must take two-to-three exams and write two-to-three papers. Three credits.

EL 132 American Literature: Civil War to Present

This course explores the evolution of literary genres, themes, and forms from the post-Civil War era through the present. Moving from realism and naturalism through modernism and postmodernism to contemporary literature, this course explores the poetry, fiction, memoirs, and critical poetics essays that help define and develop the American literary tradition. In this discussion-oriented class, readings include a multitude of short works. Students must take two-to-three exams and write two-to-three papers. Three credits.

EL 137 American Short Story

This course covers the form and evolution of the short story and short story collection as invented and mastered by American authors from Poe to Updike. Symbolism, Nationalism, Realism, Naturalism, Primitivism, and Modernism provide contexts for ways of understanding writers such as Poe, Hawthorne, Melville, Crane, Cather, Hemingway, Anderson, Steinbeck, Fitzgerald, Faulkner, Bierce, Ellison, and Updike. The typical class includes lecture and discussion. Students take three quizzes, a midterm, and a final, and to participate in group and class discussion. Three credits.

EL 138 Multi-Ethnic Literature of the United States

This course will engage questions of national literature as expressed, developed, and critiqued in a multicultural arena. The readings for this class cannot hope to be representative of the emerging multicultural canon; nonetheless, we will cover a variety of different ethnicities represented in American authors and the themes of their literature. Discussion-oriented class, readings include approximately 10 books, assignments include weekly papers, quizzes, group presentation, take-home final, and class participation. Three credits.

EL 139 African American Literature

This course studies the major themes and artistic innovations in African-Americans literature from the American diaspora in the 17th century to the present. Moving from slave narratives, songs, and early American documents through realism and naturalism, into the Harlem or New Negro Renaissance, through the Black Arts Movement, and arriving at contemporary literature, this course provides an historic and literary overview of African American literary production. Discussion-oriented class. Course requirements include short unit response papers, a group presen-

tation, three quizzes, final exam, and class participation. Three credits.

EL 140 Myth

This course explores the idea of myth and mythic traditions in history, literature, the arts, and popular culture. Participants read selected works of traditional literature, together with Genesis, Revelation, the scriptures of other religions, and appropriate selections from Freud, Jung, Neumann, Eliade, van Gennep, Meade, Rank, Campbell, and others. Audio/visual materials and Power Point presentations supplement lectures and discussions. Participants maintain a journal, take scheduled quizzes and a mid-term and final exam. Three credits.

EL 142 Creative Writing: Magazine Production

In this hands-on production class, students will produce Generation magazine, the school's annual publication of student poetry, fiction, nonfiction, and art. The course offers students the opportunity to sharpen their evaluative and group decision-making strategies. Participants learn various formatting, editing, and proofreading techniques to be put into practice. Students will also be assigned individual editorial tasks to complete. Other topics to be covered at sessions: how to market and distribute a student journal, how to develop a web presentation for the magazine, how to work effectively towards deadlines, and where/how to submit one's work as a student and beyond. In order to receive credit for this course, a student must actively participate in the entire magazine-building process: the class "assignment." Prerequisite: permission of the department. Course fulfills the English internship requirement. Three credits; may be repeated for one credit.

EL 143 The Beat Generation

This course explores the major poetry and prose of Kerouac, Ginsberg, Burroughs, Snyder, and others within a framework of post-WWII history, art, literature, and music. Students write a series of short papers, take a midterm and final exam, deliver oral presentations, and submit a course project, which may consist of creative work. Three credits.

EL 144 Reading as Writers: The Literary Essay

This course introduces students to the literary essay genre in a hands-on exploration of its defining techniques and conventions. Viewing the genre through a lens that is decidedly as writerly as critical, students consider its inherent hybridism and flexibility by engaging its diverse rhetorical approaches and forms creatively as well as critically. Approaches to essays will include in-class creative writing and various methods of informal inquiry. Readings will sweep a broad selection of essays from classic to contemporary, with an emphasis on the contemporary. Use of audio/visual materials will often supplement discussions. The grade is based on weekly reading responses, two exams, and one literary essay, in addition to participation in group and class discussions. Three credits.

EL 145 Reading as Writers: Poetry

This course introduces students to poetry and poetics in a hands-on exploration of poetic techniques and conventions. Viewing the genre through a lens that is decidedly as writerly as critical, students entertain a range of ways to read and respond to poems. Approaches will include in-class creative writing, commenting on comparative translations, and considering relationships to other art forms, among others. Readings will sweep a broad selection of poetic innovators in English and in translation from Russian, French, German, Spanish, and Italian. Emphasis is placed on the poem as a form of inquiry, enabling varied forms of meaningful response. Use of audio/visual materials will often supplement discussions. The grade is based on weekly reading responses, five short papers, a group project, and one exam, in addition to participation in group and class discussions. Three credits.

EL 146 Critical Thinking and Creative Thinking

This course considers the relationship between thought and discovery, between idea and project, between problem-solving and inspiration. Guided readings in philosophy, poetry, fiction, and critical theory, viewings of art work and films, and lessons in logic, types of statements, illusions, and rhetorical systems are complemented by writing assignments that encourage students to create, resolve, and synthesize a variety of "texts." The role of linear and non-linear thought, rational and irrational thinking, opinion formulation, and perceptual process are topics for oral presentations made by students, who will engage practical, political, and ethical dilemmas. Grading is based on quizzes, a presentation project including a written document, and a final exam. Three credits.

EL 147 Arthurian Literature

Probably no legend has influenced modern culture more than that of King Arthur. The ideals represented by him and his knights continue to inspire after over 1,000 years. This intermediate-level course traces the history and development of this compelling myth, from a vague reference in an obscure chronicle, through the medieval French romances and Malory's *Morte d'Arthur*, to modern interpretations of the legend by such writers as T. H. White and Marion Zimmer Bradley. Students will examine the figure of Arthur and what he has represented to different cultures, and what he has come to mean to us. Student achievement will be measured through a midterm and a final exam, one major paper, occasional quizzes and assignments, and class participation. Three credits.

EL 148 Modern Catholic Literature

This course will examine literature by Catholic authors from the mid-nineteenth century to the present day. Students will read and discuss works by such writers as Gerard Manley Hopkins, G. K. Chesterton, Dorothy Day, Flannery O'Connor, and Shusaku Endo, among others, and so explore the ways that the writers' faith affects their imaginations, their views of moral conflict and of character, and their spirituality. The readings and the specific focus of the course may vary from semester to semester. A midterm, a final, a research paper, quizzes and other short assignments, and class participation. Three credits.

EL 149 J.R.R. Tolkien

In this class we will study the life and works of J. R. R. Tolkien, one of the 20th century's most popular authors. We will begin with a look at Tolkien's life and then examine some of his early work, as well as classic works from Old Norse, Anglo-Saxon, and other sources that influenced him. Our main focus will be on his masterpiece, *The Lord of the Rings*. Through an examination of this work, as well as Tolkien's philosophy of literature, we will see how it develops his concepts of myth, heroism, honor, and other themes. One final, some short assignments, class participation, and two of the following: a midterm, a term paper or creative work, or an oral report. Three credits.

EL 151 American Indian Literature

This course studies the varieties of oral and written work created by Americans Indians. The course begins with transcriptions from the oral tradition, including stories, songs, prayers, and orations, and continues with written works in a variety of genres, including poetry, short stories, and novels. Readings may include works from Winnemucca, Zitkala-Sa, Black Elk, Momaday, Alexi, Silko, Erdrich, Sarris, Ortiz, Harjo, and Treuer. Discussion-oriented class. Readings may include shorter works along with two collections of short stories, selected poetry, and three novels; assignments include a report, group presentation, quizzes, take-home final, and class participation. Three credits.

EL 152 The Epic

Participants in this course will study the form of the Epic and the influence the form has had on literature, culture, and society. Representative authors and texts include Homer (Iliad and Odyssey), the Old English Beowulf, Dante (Divine Comedy), Arthurian Romance (Percival), Milton (Paradise Lost). Participants will also examine how modern literary artists have employed the epic theme and hero in their works, e.g., Whitman and Joyce. Participants are required to keep a course journal, a major portion of which will be devoted to essays developed in light of questions prepared by the professor. Lectures and discussions will be supported by PowerPoint presentations, film, and electronic research. Course requirements also include quizzes, mid-term exam, and final exam. Three credits.

EL 153 Satire

This course offers students unique opportunities for more advanced work in the study of the techniques, themes, and rhetoric of Satire. Participants study the works of Greek and Roman satirists (Horace and Juvenal), satirists of the Neoclassic period (Swift and Pope) and modern satiric works (Twain, Flannery O'Connor, Welty), including material from film, television, and other forms of popular culture. Assignments include a course journal, reading quizzes, and a midterm and final exam. Three credits.

EL 154 Special Topics in Literature

This course offers students unique opportunity for more focused study of literary periods, figures, genres, creative writing modes, and interdisciplinary topics. Topics vary from semester to semester, and students should consult the registration booklet for specific descriptions of courses offered. Three credits.

EL 155 Special Topics in Creative Writing

This course offers students unique opportunity for more focused study of topics in Creative Writing. Topics vary from semester to semester, and students should consult the registration booklet for specific descriptions of courses offered. Three credits.

EL 156 Special Topics in Professional Writing

This course offers students unique opportunity for more focused study of topics and methodologies in Professional Writing. Topics vary from semester to semester, and students should consult the registration booklet for specific descriptions of courses offered. Three credits.

EL 157 Special Topics in Children's Literature

This course offers students unique opportunity for more focused study of topics in Children's Literature. Topics vary from semester to semester, and students should consult the registration booklet for specific descriptions of courses offered. Three credits.

EL 202 Intermediate Writing

This upper-level composition course focuses on pre-professional training and practice in all rhetorical modes, especially in exposition and argumentation. A process methodology adheres to the Six Principles of Good Writing while emphasizing invention, development, citation, revision, grammar, and logic. The ultimate goal of the course is for each student to produce an essay magazine consisting of three polished essays-- the outcome of three cycles, which contain a variety of focused writing projects. Six quizzes assess mastery of micro-skills. This course has no pass-fail option, does not provide remediation, and has two prerequisites-- completion of EL 102 and at least 32 credits. (This description also applies to EL 208 Pedagogy of Composition.) Three credits.

EL 203 Poetry Workshop

This advanced workshop deepens into elements of poetic craft while exploring the spectrum of contemporary poetics and the forces informing it. Students read both short and book-length

works by contemporary poets as a basis for exploring technical conventions and innovations, in relation to a broader poetics. Extensive in-class writing and weekly writing assignments encourage students to entertain experimental approaches to their writing and engage the problems and questions preoccupying contemporary poetry. Assignments will be discussed in a workshop setting, where students will sharpen their ability to revise effectively as well as respond meaningfully to poems. Students produce a portfolio of revised poems at the end of the semester. Prerequisite: EL 110 or permission of instructor. Three credits

EL 204 Fiction Workshop

This advanced workshop explores the craft of literary short fiction. Students read contemporary short stories as models of techniques and approaches to material, as well as other technical readings addressing elements of craft, and write their own fiction. Emphasis is on writing improvement and effective revision through an increasing awareness of the dynamics of the genre and by cultivating an understanding of contemporary idioms and uses of the imagination. Assignments will be discussed in a workshop setting, where students will sharpen their ability to revise effectively as well as respond meaningfully to peer work. Students produce a portfolio of revised stories at the end of the semester. Prerequisite: EL 110 or permission of instructor. Three credits

EL 208 Pedagogy of Composition

(See the description for EL 202 Intermediate Writing)

EL 210 Classical Greek Poetry and Drama

The literature and culture of ancient Greece has influenced modern culture greatly. In this upper-level course students will study representative works from this time and discuss this influence. Readings will include the epic poetry of Homer, the lyrics of Sappho and Archilochus, and the drama of Aeschylus, Sophocles, Euripides and Aristophanes. Students will also examine the critical theories of Plato and Aristotle and how these classical thinkers have shaped our thought. The grade will be based on a midterm, a final exam, a major paper and a few short essays, quizzes, and class participation. Prerequisites: Completion of EL 102 Language and Rhetoric and at least one introductory-level literature course. Three credits.

EL 211 Medieval Studies

This course investigates three major areas of Medieval life and literature, e.g., the form of Romance, the theme of Courtly Love, and the technique of Allegory. Participants read selected works of Old English Literature, selections from Chaucer's Canterbury Tales, and Dante's Inferno, in addition to selected lyrics, ballads, drama, and other works. Participants especially work toward a synthesis of ideas and an understanding of the progress and development of early literary form and technique in later periods in literature. Course requirements include a journal, scheduled quizzes, a mid-term and final exam. Prerequisites: Completion of EL 102 Language and Rhetoric and at least one introductory-level literature course. Three credits.

EL 212 Chaucer

The life and representative works of Geoffrey Chaucer are the subjects of this upper-level course. Our main concentration will be on his Canterbury Tales, with selections from some of Chaucer's other poetry; we will also examine the Middle English and Continental traditions that influenced it. We will read Chaucer's works in Middle English and spend some time studying its structure and pronunciation; part of the grade, in fact, will be based on students' ability to read and interpret the Middle English of Chaucer. A midterm, a final exam, a major paper, an oral report, some quizzes and short assignments, and class participation comprise the remainder of the grade. Prerequisites: Completion of EL 102 Language and Rhetoric and at least one introductory-level literature course. Three credits.

EL 213 Shakespeare's Histories

This course comprises a study of Shakespeare's history plays. Students examine the sources and influences for the plays such as Latin history, medieval chronicle, contemporary English drama, and the political, philosophical, and social writings of the age. The major emphasis of the course is on the plays themselves, including both the Roman and the English history plays. Students thus explore theme, character, setting, language, style, and tone, noting what is characteristic of the Renaissance as well as what is distinctive of Shakespeare. Course requirements include one major paper, a midterm, a final examination, quizzes, and class participation. Prerequisites: Completion of EL 102 Language and Rhetoric and at least one introductory-level literature course. Three credits.

EL 214 Shakespeare's Comedies and Tragedies

In this course, students consider the sources and influences for these plays as well as the immediate historical and philosophical context in which they were written. The major emphasis of the course is on the plays themselves, tracing the progress of Shakespeare's comedy and tragedy from its Elizabethan beginnings to its Jacobean conclusion. Students explore theme, character, setting, language, style, and tone, noting what is characteristic of the Renaissance as well as what is distinctive of Shakespeare. Course requirements include a midterm and final exam, an oral report on a scholarly article, and a research paper. Prerequisites: Completion of EL 102 Language and Rhetoric and at least one introductory-level literature course. Three credits.

EL 216 British Renaissance Literature

This course closely reads the texts of the major British writers of the 16th and early 17th centuries, including Sidney, Spenser, Donne, Jonson, and Milton. Though the course stresses the analysis of primary texts, it also locates these texts within the religious, political, and philosophical crises that distinguish the early modern era. The course familiarizes students with the criticism of these writers and their work by requiring an oral presentation and a research paper. Prerequisites: Completion of EL 102 Language and Rhetoric and at least one introductory-level literature course. Three credits.

EL 218 Eighteenth-Century Literature

This course studies British literature and culture of the "long" 18th century, 1660-1789. Students study the intellectual, cultural, and political history of the period and learn its major literary trends and types, including the novel, satire, the verse essay, and the comedy of manners. Readings include nonliterary and noncanonical works, but concentrate on the major achievements of Dryden, Defoe, Swift, Pope, Restoration dramatists, and women writers. Students write short essays, take a midterm and final exam, deliver oral presentations, and submit a research essay. Prerequisites: Completion of EL 102 Language and Rhetoric and at least one introductory-level literature course. Three credits.

EL 224 The Romantic Age

While Romanticism in Europe enjoyed its high period in the first half of the nineteenth century, this course examines romanticism as a cultural influence with principles that predate 1798, and which reach beyond 1840. While the canonical Romantic writers—Blake, Wordsworth, Coleridge, Shelley and Keats—occupy center stage, thinkers and ideas influencing them and modifying their work are given significant attention, especially neo-classicism, travel literature, the French Revolution, feminism, landscape painters. The course begins with lecture and moves to seminar. Course requirements include a midterm, major project, and a final exam. Prerequisites: Completion of EL 102 Language and Rhetoric and at least one introductory-level literature course. Three credits.

EL 225 The Victorian Era

Through study of fiction, poetry, and painting, as well as some texts from the sciences, social sciences, and philosophy, this literature course explores—through lecture and especially discussion—the world view of British writers such as Tennyson, Robert and Elizabeth Barrett Browning, the Rossettis, Arnold, the Brontës, Dickens, Hardy, and Wilde, during the reign of Queen Victoria, caught in the struggle to find order during the collapse of Romanticism and the slow birth of Modernism. The course requires participation in class discussion, some in-class writing, two minor projects (an annotated bibliography and an exercise in literary theory), an essay (a critical review), a research essay, a midterm essay exam, and a final essay exam. Prerequisites: Completion of EL 102 Language and Rhetoric and at least one introductory-level literature course. Three credits.

EL 226 British Modernism

This course investigates British literature from 1870 to 1920, and emphasizes the literary movements of Naturalism, Symbolism and Stream of Consciousness. Participants read Hardy, Conrad, Joyce, Hopkins, Yeats and Eliot, in addition to selections of criticism. Participants pay close attention to the historical, economic, scientific and social background of the period. Audio/visual materials and Power Point presentations supplement lectures and discussions. Course requirements include a journal, scheduled quizzes, mid-term and final examinations. Prerequisites: Completion of EL 102 Language and Rhetoric and at least one introductory-level literature course. Three credits.

EL 236 Modern European Literature

This course studies the major literature, art, and film of the modern and contemporary periods. Students read Dostoevsky, the French Symbolists, Kafka, Proust, Beckett, Breton, Calvino, and others and examine the connections between philosophical and cultural movements. The course requires a series of short essays, a midterm and final examination, oral presentations, and a research essay. Prerequisites: Completion of EL 102 Language and Rhetoric and at least one introductory-level literature course. Three credits.

EL 242 American Renaissance

This course centers on the mid-nineteenth century literary production that constitutes the American Renaissance, an explosion of touchstone texts that defined our nation, reflected its own time, and forecast our own. Readings may include Emerson, Thoreau, Hawthorne, Melville, Stowe, Fern, Whitman, and Dickinson. Discussion-oriented class, readings include approximately four novels, two poetry oeuvres, and 10 critical essays, assignments include weekly papers and essay reading rubrics, researched term paper, and class participation. Prerequisites: Completion of EL 102 Language and Rhetoric and at least one introductory-level literature course. Three credits.

EL 244 Creative Nonfiction Workshop

This advanced workshop explores the craft of the creative nonfiction essay. Reading contemporary essays, students will explore the inherent hybridism of the genre and experiment with its range and flexibility. Emphasis is on writing improvement and effective revision through increasing awareness of diverse rhetorical strategies and approaches to material. Extensive in-class writing and weekly writing assignments encourage students to respond experimentally to the ideas presented in discussion. Assignments will be discussed in a workshop setting, where students will sharpen their ability to revise effectively as well as their ability to respond meaningfully to peer work. Students produce a portfolio of revised essays at the end of the semester. Prerequisite: English 110 or permission of instructor. Three credits.

EL 252 Literary Translation Workshop

This advanced workshop introduces students to literary translation studies. Readings will expose students to various theoretical and practical models for approaching literary translation, toward the formation of an individual theory and praxis. Readings will cover aspects of the cultural, aesthetic, and linguistic challenges of literary translation and include essays by Benjamin, Pound, Nabokov, Borges, Venuti, Derrida, and others. The material of this course will urge students to confront and question their individual expectations and preconceptions as readers and writers. The emphasis of the course will be on students' own attempts at literary translation, which will be discussed in a workshop setting. Students must have an intermediate level of proficiency in a foreign language; an advanced level of proficiency is not required. Prerequisite: EL 110 or permission of instructor. Three credits.

EL 256 Sentimental Politics: American Women Writers in the Nineteenth Century

Centering on the gendered conventions of sentimental literature, this course explores the social reform movements surrounding 19th-century America, including emancipation and women's suffrage. Readings may include work by Harriet Beecher Stowe, Catharine Maria Sedgwick, Fanny Fern, Frances Harper, Harriet Jacobs, Sarah Callahan, among others. Discussion-oriented class, readings include approximately six novels, selected poetry, and 10 critical essays, assignments include weekly papers and essay reading rubrics, researched term paper, and class participation. Prerequisites: Completion of EL 102 Language and Rhetoric and at least one introductory-level literature course. Three credits.

EL 257 American Realism and Naturalism

This course centers on realism, including psychological realism and regionalism, and moves toward naturalism, encompassing American literature from the Civil War through World War I. Readings may include James, Wharton, Howells, Twain, Jewett, Chestnut, Hopkins, Bierce, Crane, Norris, Dreiser, and Cather. Discussion-oriented class, readings include approximately six novels, selected poetry, and ten critical essays, assignments include weekly papers and essay reading rubrics, researched term paper, and class participation. Prerequisites: Completion of EL 102 Language and Rhetoric and at least one introductory-level literature course. Three credits.

EL 258 American Modernism

This course will explore American expressions of Modernism from the turn of the twentieth century to World War II, making room for a wide variety of voices. Readings may include Chopin, Hurston, Johnson, Hemingway, Fitzgerald, Stein, Faulker, Ellison, and many poets, including Millay, Teasdale, Lowell, H.D., Loy, Williams, Stevens, Frost, Pound, Eliot, McKay, Hughes, among others. Discussion-oriented class, readings include approximately five novels and 10 critical essays, assignments include weekly papers and essay reading rubrics, researched term paper, and class participation. Prerequisites: Completion of EL 102 Language and Rhetoric and either EL 129 or EL 130. Three credits.

EL 259 Critical Approaches to Children's Literature

Critical studies of children's literature draws not only on literary theory but on an interdisciplinary approach to age-specific popular fiction. Employing methodology from American studies, cultural studies, book history, and journalism and mass communication, this course helps students interrogate children's literature and the roles it has played in national and familial identity, social reform, aesthetic movements, and other topics. Discussion-oriented class, readings include approximately five novels and twelve critical essays, assignments include weekly papers and essay read-

ing rubrics, researched term paper, and class participation. Prerequisites: Completion of EL 102 Language and Rhetoric and at least one introductory-level literature course. Three credits.

EL 261 Advanced Studies in Literature

This course offers students unique opportunity for more intensive study of literary periods, figures, genres, creative writing modes, and interdisciplinary topics. Topics vary from semester to semester, and students should consult the registration booklet for specific descriptions of courses offered. Prerequisites: Completion of EL 102 Language and Rhetoric and at least one introductory-level literature course. Three credits.

EL 264 Advanced Studies in Creative Writing

This course offers students unique opportunity for more intensive study and practice of creative writing. Topics vary from semester to semester, and students should consult the registration booklet for specific descriptions of courses offered. Prerequisites: Completion of EL 102 Language and Rhetoric and at least one introductory-level literature course. Three credits.

EL 266 Advanced Studies in Professional Writing

This course offers students unique opportunity for more intensive study and practice of Professional Writing. Topics vary from semester to semester, and students should consult the registration booklet for specific descriptions of courses offered. Prerequisites: Completion of EL 102 Language and Rhetoric and at least one introductory-level literature course. Three credits.

EL 272 Advanced Studies in Children's Literature

This course offers students unique opportunity for more intensive study of children's literature. Topics vary from semester to semester, and students should consult the registration booklet for specific descriptions of courses offered. Prerequisites: Completion of EL 102 Language and Rhetoric and EL 129 Young Adult Fiction. Three credits.

EL 310 Junior Seminar

This course is designed to prepare English majors to complete their Senior Projects. Primarily, this preparation will be a review and practice of skills and knowledge that English majors have developed in other courses, including their ability to read and analyze primary texts, their ability to generate and shape a topic, their understanding and ability to apply literary theory, and their skills in library research. Students will complete a series of preliminary assignments that will culminate in the submission of a formal proposal for their Senior Project. Three credits.

EL 325 Literary Criticism I: Ancient to Modern

The basic framework for this course is historical, as students read and discuss critical statements from the ancient to the modern periods, beginning with Plato and ending with early twentieth-century critics such as T.S. Eliot and Virginia Woolf. Major influences and ideas that reach across authors and across cultural periods—mimesis, pragmatism, organicism and modernism—provide bases for schools of criticism as well as individual critics. Also, students learn literary criticism as a skill—writing analytically about literature and developing a working understanding of the way the discipline is researched and shared. This intermediate level course requires three essays, a midterm, and a final exam. This course is required of all English majors. Three credits.

EL 326 Literary Criticism II: Contemporary Theories

In this course, English majors and minors survey and practice the literary theories of the 20th and 21st centuries. Beginning with New Criticism, students concentrate on such critical theories of the contemporary period as Structuralism, Deconstruction,

Marxism, Feminism, Cultural Studies, Post-Colonial Theory, and Postmodernism. Emphasis, however, will be placed on applied criticism, through three short essays in which students examine text from the perspective of specific critical schools. Along with the three essays students must take midterm and final exams. This course is required of all English majors. This course does not fulfill requirements for the Core. Three credits.

EL 350 Independent Study

In this course, topics of research are chosen and developed by the student with the guidance of the professor directing the study. May be repeated. Prerequisites: completion of EL102 Language and Rhetoric and at least one literature course. Variable credit.

EL 400 Senior Project

This is the capstone course for English majors. In it, senior majors will complete their Senior Projects—papers of 20-30 pages—under the supervision of the course's instructor and a second reader, whom the student writer will select based on that reader's expertise. Students pursue Senior Projects based on their area of concentration: students in Literary Studies, Children's Literature, and Secondary Education will write works of literary criticism; student concentrating in Creative Writing will write collections of fiction, creative non-fiction, or poetry; and students concentrating in Professional Writing will write formal reports, proposals, or other forms of technical documentation. The fundamental requirement of the course is the completion of the project, but students must also submit outlines and drafts, conference regularly with the instructor and second reader, and deliver a public presentation of an excerpt of their projects. Only English majors who have completed EL 310 will be admitted to this course. Three credits.

EL 550 Cooperative Education—English Internship

In this course, students work in a professional setting in order to extend their learning experience beyond college into the world of work; relevant experiences can take the form of internships, field work, and cooperative programs, particularly in advertising, public relations, journalism, and communications. Students may or may not be paid, depending on the policy of the employer. May be repeated. Variable credit.

Environmental Science

Caryl L. Fish, Director

Cynthia Walter; James Kellam; Tim Kelly; Eugene Torisky; Rob Michalow; Gabriel Pellathy; Sara Lindey

Adjunct: Angela Belli; Beth Bollinger

The environmental science program is multidisciplinary in its approach to environmental problems. The philosophy of the program is that environmental problems are best solved through careful scientific investigation within the context of social, political, and ethical structures. To prepare individuals to achieve this goal, the environmental science major is multidisciplinary in its structure. Required coursework in general and advanced science gives students a solid foundation for scientific investigations. Courses in the humanities and social sciences broaden students' perspective and allow them to analyze problems for unique solutions. Students have the opportunity to develop field skills in near-by aquatic and terrestrial ecosystems. This combination of courses and field experience provides students with a broad background to understand environmental problems and a strong scientific approach to find answers to those problems.

The environmental science major has been designed to provide students with the background to pursue careers in the environmental field. Students have the flexibility to focus their studies in a specific area such as biology, chemistry, education, public policy, or communication by obtaining a minor in that area. Students could pursue graduate programs in environmental science, environmental law, or education. They may also choose to prepare for careers in environmental monitoring or testing, environmental communication, watershed management, or environmental education.

Environmental Science at Saint Vincent College builds on the strength of our liberal arts tradition. Students in this major will be challenged to think critically about environmental problems. They will be able to express themselves clearly in both their written work and through oral communication. They will understand and be able to apply scientific principles to environmental issues and demonstrate this ability in their senior research project. To accomplish these goals the environmental science major has the following components:

- A strong foundation in math and natural science with at least 40 credits in this area including advanced environmental science courses.
- A multidisciplinary approach with required credits from seven different departments in the natural sciences, social sciences, and humanities.
- A flexible schedule. Students have 25 elective credits to tailor their education to fit their career goals.
- A strong emphasis in laboratory and field work. Students are required to complete 300 hours of laboratory work. Several courses offer extensive opportunities for field studies in many unique ecosystems near campus.
- Opportunities to expand class work through internships, summer research, and programming at the Saint Vincent College Environmental Education Center.
- An emphasis on writing throughout the program. Many of the required courses are "writing designated" indicating participation by the professor in the College's Interdisciplinary Writing Program. Through this program students learn to write within their disciplines following a campus-wide model for good writing.
- All students are required to complete a senior research project, which serves as a "capstone experience." In the spring semester of their junior year students prepare a proposal for original research. The student then conducts their research and writes a senior thesis under the guidance of an environmental science faculty member. The research project provides the student with first-hand experience investigating and reporting on an environmental problem.