This course is designed to provide you with a thorough understanding of the philosophy and practice of general linguistics; phonologic, morphologic, and syntactic analysis of language in general, with English as the focal language. May be repeated for credit. Prerequisite: ENWR 323.

495 Senior Writing Project (3)
Required of English Writing majors during the first semester of the senior year. Successful completion of the Senior Writing Project satisfies the comprehensive examination requirement for the B.A. Prerequisite: A 400-level ENWR course.

GENERAL ENGLISH COURSES (ENGL)
208 Jane Austen Dance (1)
An introduction to the dances of Jane Austen's time (early 19th century). Students will learn the basic steps, patterns, and dance types (duple-minor longways, three-and four-couple sets, rounds, etc.). The class will finish with a ball. May be repeated.

251, 252 The Theory and Practice of Tutoring I, II (1,1)
This course is designed to provide you with a thorough understanding of the philosophy and practice of a college writing center. Throughout the two semesters, we will discuss the theoretical foundations of a writing center that serves the entire college community. We will also examine and engage in the daily tutoring practices that contribute to a successful writing center. Since good tutoring practice is informed by sound theory, we will spend much time making connections between the two. In the end, you will develop your own tutoring skills and strategies and deepen your knowledge about the role of the writing center within the Saint Mary's College community. ENGL 251 is a prerequisite for ENGL 252.

305 Introduction to Linguistics (3)
A broad introduction to the principles and techniques of general linguistics; phonologic, morphologic, and syntactic analysis of language in general, with English as the focal language.

351, 352 The Theory and Practice of Tutoring III, IV (1,1)
In both ENWR 351 and 352, you will participate in ongoing, student-centered “Writing Workshops” during the course of the semester. You will collaborate with your Writing Center peers to design and present five hour-long presentations, each of which will focus on some aspect of the writing process from invention and brainstorming through to revision. Your audience for these presentations will be your peers at Saint Mary’s College. ENGL 252 is a prerequisite for ENGL 351. ENGL 351 is a prerequisite for ENGL 352.

498 Teaching Assistantship in English Writing or Literature (1–3)
May be repeated for credit.

499 Internship (1–3)
Practical experience in writing and/or editing at an approved site. Supervised by a faculty member and a representative from the sponsoring agency. Does not fulfill ENWR elective requirement for the major. May be repeated for up to three hours. Graded S/U. Approval of department required.

PROGRAM DESCRIPTION
Many of the greatest challenges currently facing human society concern the strained relation between a resources-intensive global civilization and the ecological systems of the world on which it relies. Environmental Studies is an interdisciplinary field that has emerged in response to these challenges, bringing together natural science, social science, the humanities, and the professions to understand and solve complex environmental problems and conceptualize the workings of communities that are truly environmentally sustainable.

The Environmental Studies Department offers students formal academic programs through which they can engage with environmental issues effectively by integrating skills and knowledge from many different disciplines. The major in Environmental Studies consists of a core sequence of required interdisciplinary courses coupled to one of four concentrations, allowing each student to pursue the aspect of environmental studies of most interest to her. The concentration areas are Environmental STEM; Global Environmental Policy; Nature, Culture, Arts; and Spirituality, Justice, Ethics. The minor in Environmental Studies is a flexible program that offers students the opportunity to integrate their environmental interests with work in another major field through independent, hands-on projects as well as through regular coursework.

ENVIRONMENTAL STUDIES PROGRAM LEARNING OUTCOMES
A student majoring in Environmental Studies will:

• Understand and analyze the processes and principles of natural phenomena and the human actions underlying environmental challenges.

• Identify and analyze connections between the natural environment and social justice concerns due to the unequal impact of environmental challenges on groups, for example, as distinguished by genus, race, ethnicity, gender, class, culture, sexuality, or geography.

• Articulate the historical forces shaping cultural conceptions of nature.

• Understand the interplay between local and global scales of sustainability within natural and human systems.

• Integrate knowledge and skills from multiple disciplines to evaluate environmental challenges and potential solutions.

• Develop community, management, and leadership skills necessary for advocacy on environmental challenges.
A student minoring in Environmental Studies will:

- Understand and analyze the processes and principles of natural phenomena and the human actions underlying environmental challenges.
- Identify and analyze connections between the natural environment and social justice concerns due to the unequal impact of environmental challenges on groups, for example, as distinguished by genus, race, ethnicity, gender, class, culture, sexuality, or geography.
- Articulate the historical forces shaping cultural conceptions of nature.
- Understand the interplay between local and global scales of sustainability within natural and human systems.

ADVANCED WRITING PROFICIENCY

Students fulfill this proficiency requirement by receiving approval for a portfolio of three writing projects drawn from multiple disciplines contributing to environmental studies. The portfolio will include the paper completed in ENVS 495; the other two projects included will vary with the student’s major concentration and selection of courses.

SENIOR COMPREHENSIVE

The Senior Comprehensive requirement in Environmental Studies is fulfilled by successful completion of ENVS 495 and department approval of the paper and oral presentation based on the student’s comprehensive project.

PROGRAM IN ENVIRONMENTAL STUDIES

Bachelor of Arts, Major in Environmental Studies—ENVS (40-75 hours)

The following are required. In addition, at least one concentration must be chosen.

All of the following (19 hours):

- ENVS 161 Introduction to Environmental Studies 3 hours
- ENVS 171 Introduction to Environmental Science 3 hours
- ENVS 217 Environmental Policy 3 hours
- COMM 418 Women, Leadership, and Communication 3 hours
- ENVS 385 Interdisciplinary Environmental Research Methods 3 hours
- ENVS 386 Current Issues in Environmental Studies 1 hour
- ENVS 495 Comprehensive Project Seminar 3 hours

Environmental STEM Concentration (51-56 hours)

One Environmental Ethics Course:
- PHIL 256 Environmental Ethics 3 hours

One Environmental Biology Course:
- BIO 316 Conservation Biology 4 hours
- BIO 323 Ecology 4 hours

One Environmentally-Related Science Elective:
- BIO 308 Vertebrate Natural History 4 hours
- BIO 316 Conservation Biology 4 hours
- BIO 323 Ecology 4 hours
- BIO 332 Ornithology 3 hours
- CHEM 311 Thermodynamics 3 hours
- PHYS 205 Nuclear Science (will be PHYS 235) 3 hours
- PHYS 302 Materials Science (will be PHYS 215) 3 hours
- PHYS 311 Thermodynamics (will be PHYS 343) 4 hours

With program permission, the following earth or water science courses offered at Notre Dame may be used to fulfill this requirement: CE 20110 – Planet Earth, CE 20520 – Environmental Mineralogy, CE 20320 – Environmental Aquatic Chemistry.

Four Courses in an Area Focus, either (a) Applied Mathematics or (b) Earth and Water Science

(a) Applied Mathematics
- MATH 231 Calculus III 4 hours
- MATH 326 Linear Algebra and Differential Equations 4 hours
- MATH 335 Differential Equations II 3 hours
- or MATH 336 Numerical Analysis 3 hours
- MATH 381 Mathematical Modeling 3 hours

(b) Earth and Water Science Courses (at Notre Dame) chosen from
- CE 20110 Planet Earth 3 hours
- CE 20320 Environmental Aquatic Chemistry 3 hours
- CE 20520 Environmental Mineralogy 3 hours
- CE 30300 Intro to Environmental Engineering 3 hours
- CE 30320 Water Chemistry and Treatment 3 hours
- CE 30455 Environmental Hydrology 3 hours

Required Supporting Courses

All of the following:
- CHEM 121-122 Principles of Chemistry I, II 8 hours
- PHYS 121-122 General Physics I, II 8 hours
- MATH 345-346 Probability, Statistics (Applied Mathematics focus) 6 hours
- or ACMS 30440 Probability and Statistics (Earth & Water Science focus) 3 hours

Global Environmental Policy Concentration (24-25 hours)

One STEM Elective chosen from:
- ANTH 254 Survey II: Human Prehistory 3 hours
- BIO 109 Marine Biology 3-4 hours
- BIO 308 Vertebrate Natural History 4 hours
- BIO 312 Evolution 3 hours
- BIO 316 Conservation Biology 4 hours
- BIO 323 Ecology 4 hours
- BIO 332 Ornithology 3 hours
- CHEM 102 Chemistry in Everyday Life 3 hours
- MATH 107 Mathematics for Sustainability 3 hours

One Arts and Humanities Elective chosen from:
- ART 236 Sustainable Textiles 3 hours
- ART 354 Picturing Biodiversity: The Art of Natural History 3 hours
- ART 356 Environment in Contemporary Art 3 hours
- EDUC 466 Communicating Climate Science 3 hours
- ENLT 211 Animals in Literature and Society 3 hours
- ENLT 212 Ecopoetics in the Age of the Anthropocene 3 hours
- ENLT 213 Environmental Literature 3 hours
- ENLT 251 African-American Literature 3 hours
- ENVS 331 Human Ecology and Spirituality 3 hours
- PHIL 254 Social Justice 3 hours
- PHIL 256 Environmental Ethics 3 hours
- RLST 351 Religion and Science 3 hours

One Microeconomics Course:
- ECON 252 Microeconomics 3 hours

One Introductory Course in Society and Environment chosen from:
- ANTH 141 People and Nature 3 hours
- ANTH 253 Survey I: Culture and Language 3 hours
- SOC 203 Social Problems (approved sections) 3 hours
Three Advanced Area Courses chosen from:
- ANTH 390  Topics in Cultural Anthropology (approved topics) 3 hours
- ECON 354  Economic Development 3 hours
- POSC 319  Global Politics of International Development 3 hours
- POSC 326  Global Environmental Politics 3 hours
- SOC 306  Consumer Society 3 hours

Required Supporting Courses
One of the following:
- MATH 114  Introduction to Statistics 3 hours
- or MATH 346  Statistics 3 hours

With program permission and permission of the relevant department, PSYC 324 or SOC 371 may be substituted for MATH 114.

Nature, Culture, Arts Concentration (21-22 hours)
One STEM Elective chosen from:
- ANTH 254  Survey II: Human Prehistory 3 hours
- BIO 109  Marine Biology 3-4 hours
- BIO 308  Vertebrate Natural History 4 hours
- BIO 312  Evolution 3 hours
- BIO 316  Conservation Biology 4 hours
- BIO 323  Ecology 4 hours
- BIO 332  Ornithology 3 hours
- CHEM 102  Chemistry in Everyday Life 3 hours
- MATH 107  Mathematics for Sustainability 3 hours

One Environment and Society Elective chosen from:
- ANTH 141  People and Nature 3 hours
- ANTH 253  Survey I: Culture and Language 3 hours
- ECON 354  Economic Development 3 hours
- GWS 240  Gender and Environmental Justice 3 hours
- JUST 250  Intro to Justice Studies 3 hours
- POSC 319  Global Politics of International Development 3 hours
- POSC 326  Global Environmental Politics 3 hours
- SOC 203  Social Problems (approved sections) 3 hours
- SOC 306  Consumer Society 3 hours

Four Explorations Courses chosen from:
No more than two courses may be taken in a single discipline (as indicated by course prefix).
- ANTH 253  Survey I: Culture and Language 3 hours
- ART 236  Sustainable Textiles 3 hours
- ART 354  Picturing Biodiversity: The Art of Natural History 3 hours
- ART 356  Environment in Contemporary Art 3 hours
- EDUC 466  Communicating Climate Science 3 hours
- ENLT 211  Animals in Literature and Society 3 hours
- ENLT 212  Ecopoetics in the Age of the Anthropocene 3 hours
- ENLT 213  Environmental Literature 3 hours
- ENLT 251  African-American Literature 3 hours
- SOC 306  Consumer Society 3 hours

One Theoretical Applications Course chosen from:
- ANTH 320  Anthropology of Race and Racism 3 hours
- ANTH 346  Gender in Cross-Cultural Perspective 3 hours
- ANTH 390  Topics in Cultural Anthropology (approved topics) 3 hours
- ENLT 385  Critical Theory 3 hours
- GWS 350  Feminist Theory 3 hours

Spirituality, Justice, Ethics Concentration (21-22 hours)
One STEM Elective chosen from:
- ANTH 254  Survey II: Human Prehistory 3 hours
- BIO 109  Marine Biology 3-4 hours
- BIO 308  Vertebrate Natural History 4 hours
- BIO 312  Evolution 3 hours
- BIO 316  Conservation Biology 4 hours
- BIO 323  Ecology 4 hours
- BIO 332  Ornithology 3 hours
- CHEM 102  Chemistry in Everyday Life 3 hours
- MATH 107  Mathematics for Sustainability 3 hours

One Arts and Culture Elective chosen from:
- ANTH 141  People and Nature 3 hours
- ANTH 253  Survey I: Culture and Language 3 hours
- ART 236  Sustainable Textiles 3 hours
- ART 354  Picturing Biodiversity: The Art of Natural History 3 hours
- ART 356  Environment in Contemporary Art 3 hours
- EDUC 466  Communicating Climate Science 3 hours
- ENLT 211  Animals in Literature and Society 3 hours
- ENLT 212  Ecopoetics in the Age of the Anthropocene 3 hours
- ENLT 213  Environmental Literature 3 hours
- ENLT 251  African-American Literature 3 hours
- SOC 306  Consumer Society 3 hours

One foundation course in Environment and Spirituality selected from:
- RLST 240  Catholic Social Thought 3 hours
- RLST 251  The Christian Tradition 3 hours

One foundation course in Environment and Justice selected from:
- JUST 250  Introduction to Justice Studies 3 hours
- GWS 240  Gender and Environmental Justice 3 hours
- PHIL 254  Social Justice 3 hours

One foundation course in Environmental Ethics:
- PHIL 256  Environmental Ethics 3 hours

Two Advanced Courses in any suitable SJE topic. A 3-credit internship may be substituted for one advanced course. Courses selected from:
- ENVS 331  Human Ecology and Spirituality 3 hours
- JUST 301  The Quest for Human Rights 3 hours
- PHIL 354  Ethics 3 hours
- POSC 319  Politics of Global Economic Development 3 hours
- RLST 351  Religion and Science 3 hours

Minor in Environmental Studies—ENVS (16 hours)
All of the following:
- ENVS 161  Introduction to Environmental Studies 3 hours
- ENVS 171  Introduction to Environmental Science 3 hours

Three of the following, drawn from at least two of the listed categories:

Category 1: Environmental STEM
- ANTH 254  Survey II: Human Prehistory 3 hours
- BIO 109  Marine Biology 3-4 hours
ENVIRONMENTAL STUDIES COURSES (ENVS)

101 Sustainable Living (1)
A practical course that offers an introduction to making sustainable life choices. Topics considered may include food, gardening, electronics, recycling, transportation, renewable energy, home energy efficiency, community-building, spirituality, and more.

161 Introduction to Environmental Studies (3)
An interdisciplinary course on the systemic interaction of human beings with their environments. It identifies interests informing environmental decisions and introduces practices of environmental advocacy.

171 Introduction to Environmental Science (3)
An interdisciplinary course that investigates the study of our environment from a scientific perspective. We will focus on principles of the nature of science, matter, energy, water, and life in terms of biology, chemistry, and geology.

203 Sustainability at Saint Mary’s College and in the Holy Cross Charism (3)
This course will address sustainability in the context of the local academic community and its institutions. In light of the recent papal encyclical, Laudato si, On Care for Our Common Home, this course will provide students an opportunity to explore in an interdisciplinary way the challenges of sustainability and develop collaborative strategies for making our common campus homes more sustainable. This course will be offered concurrently at ND, SMC, and HCC; and will be co-taught by faculty from all three campuses. It will meet in rotation on each of the three campuses once per week for two hours. Students will be invited to examine the course materials in conversation with the mission of the Congregation of Holy Cross through immersion at each of the campuses and encounters with the sisters, brothers, and priests of Holy Cross and with sustainability professionals.

217 Environmental Policy (3)
This course introduces the processes by which policy is made at local, state, national, and international levels of government with attention to the special challenges of creating sound environmental policy. It examines the strengths and weaknesses of policies currently in place and prepares students to intervene constructively in the formation of environmental policy.

331 Human Ecology and Spirituality (3)
An examination of the relationship of spirituality and ecology within several religious traditions. Particular attention is given to Christianity so that we may study at least one tradition in some depth. The course considers both how human spiritual experience is shaped by its context within particular ecosystems and how religious traditions shape humans’ relation to the biosphere. Prerequisite: RLST 101. ENVS 161 or 171 highly recommended.

385 Interdisciplinary Environmental Research (3)
This course provides an introduction to a suite of important methods of analysis in environmental studies. Within a framework of interdisciplinary problem solving, students will learn to define questions for investigation, and they will gain experience using quantitative, qualitative, and textual research tools to address environmental issues. We will discuss the ethics and politics of research and strategies for using environmental research to support environmental advocacy and action. Prerequisite: ENVS 161, ENVS 171.

386 Current Issues in Environmental Studies (1)
This reading seminar surveys recent articles in the scholarly and popular presses on significant current environmental issues. Weekly readings for discussion are selected by faculty and by students. Discussions will analyze the methods and the rhetoric used in the articles in addition to examining the implications of the issues addressed and how interdisciplinary problem solving could be applied to each issue. Prerequisite: ENVS 161, ENVS 171.

395 Environmental Studies Capstone Seminar (1)
This capstone experience allows students to develop projects centered on a particular environmental issue of interest to the group. Prerequisite: Junior standing, ENVS 161, ENVS 171, and an additional course approved for the ENVS minor (may be taken concurrently).

495 Comprehensive Project Seminar (3)
A collaborative research seminar that provides structure for students’ work on their comprehensive projects for Environmental Studies. Prerequisite: ENVS 385 and ENVS 386.