



# Environmental Studies, B.S. *major*

## Environmental Engineering Science Emphasis

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Required Credits: 88  
Required GPA: 2.25

### I REQUIRED CORE COURSES

Note: Students who select the Environmental Management Emphasis should select ENVR 4970 Internship rather than ENVR 4990 Senior Thesis.

#### COMPLETE THE FOLLOWING COURSES:

- BIOL 1211 Introductory Biology I (4 credits)
- BIOL 1212 Introductory Biology II (4 credits)
- BIOL 2610 General Ecology (3 credits)
- ENVR 2000 Introduction to Environmental Science (3 credits)
- ENVR 4210 Environmental Law and Policy (3 credits)
- GEOL 1110 Physical Geology (4 credits)
- POL 3230 Environmental Politics (3 credits)
- SOC 3050 Environmental Sociology (3 credits)

#### COMPLETE THE FOLLOWING COURSE:

- ENVR 3920 DGS: Seminar in Environmental Controversies (2 credits)

#### COMPLETE THE FOLLOWING COURSE:

Enroll for 1 credit - two different terms

- ENVR 4920 Directed Group Study: Senior Seminar (1 credit)

#### SELECT 1 OF THE FOLLOWING COURSES:

- CHEM 1111 General Chemistry I (4 credits)
- CHEM 2211 Principles of Chemistry I (4 credits)

#### SELECT 1 OF THE FOLLOWING COURSES:

- CHEM 1112 General Chemistry II (4 credits)
- CHEM 2212 Principles of Chemistry II (4 credits)

#### SELECT 1 OF THE FOLLOWING COURSES:

- ECON 3040 Environmental Economics (3 credits)
- ENVR 3040 Environmental Economics (3 credits)

#### SELECT 1 OF THE FOLLOWING COURSES:

- ENVR 4970 Internship (3 credits)
- ENVR 4990 Thesis (3 credits)

#### SELECT 1 OF THE FOLLOWING COURSES:

- SOC 3001 Social Statistics (3 credits)
- STAT 2610 Applied Statistics (4 credits)

### ENVIRONMENTAL ENGINEERING SCIENCE EMPHASIS

#### COMPLETE THE FOLLOWING COURSES:

- ENVR 4200 Wastewater Treatment (3 credits)
- ENVR 4230 Air Pollution Technology (4 credits)
- ENVR 4240 Waste Management (4 credits)
- MATH 2471 Calculus I (5 credits)

- MATH 2472 Calculus II (5 credits)
- PHYS 2101 Physics I (5 credits)
- PHYS 2102 Physics II (5 credits)
- PHYS 2210 Statics and Strength of Materials (3 credits)
- PHYS 2220 Dynamics (3 credits)
- PHYS 3230 Fluid Mechanics (3 credits)

### SUGGESTED SEMESTER SCHEDULE FOR ENVIRONMENTAL STUDIES MAJOR, B.S.

The following is a list of Environmental Studies Major Courses arranged by year. This schedule is intended to help students plan their courses in an orderly fashion; however, these are only suggestions and this schedule is flexible.

#### Freshman

- BIOL 1211 Introductory Biology I (4 credits)
- BIOL 1212 Introductory Biology II (4 credits)
- Select one mathematics sequence:
  1. MATH 1170 College Algebra (4 credits)  
MATH 2171 Concepts of Calculus I
  2. MATH 1470 Precalculus (5 credits)  
MATH 2471 Calculus I (5 credits)
- Liberal Education Requirements

#### Sophomore

- BIOL 2610 General Ecology (3 credits)
- ENVR 2000 Introduction to Environmental Science (3 credits)
- Select one chemistry sequence:
  1. CHEM 1111 General Chemistry I (4 credits)  
CHEM 1112 General Chemistry II
  2. CHEM 2211 Principles of Chemistry I (4 credits)  
CHEM 2212 Principles of Chemistry II
- GEOL 1110 Physical Geology (4 credits)
- PHYS 1101 General Physics I (4 credits)
- SOC 3001 Social Statistics (3 credits)
- or STAT 2610 Applied Statistics (4 credits)
- Liberal Education Requirements

#### Junior

- ENVR 3920 DGS: Seminar in Environmental Controversies (2 credits)
- ENVR 4210 Environmental Law and Policy (3 credits)
- POL 3230 Environmental Politics (3 credits)
- ECON/ENVR 3040 Environmental Economics
- SOC 3050 Environmental Sociology (3 credits)
- Emphasis courses
- Liberal Education courses

#### Senior

- ENVR 4920 Directed Group Study: Senior Seminar (1 credit)
- ENVR 4970 Internship (3 credits)
- or ENVR 4990 Thesis (3 credits)
- Complete Emphasis courses
- Complete Liberal Education courses