Environmental Studies, B.S. major
Industrial Ecology Emphasis

Required Credits: 75
Required GPA: 2.25

I REQUIRED CORE COURSES

COMPLETE THE FOLLOWING COURSES:

• ECON 2000 Markets and Resource Allocation (3 credits)
• ENVR 2000 Introduction to Environmental Science (3 credits)
• ENVR 3300 Environmental Management and Safety (3 credits)
• GEOG 3231 Introduction to Geographic Information Systems (3 credits)
• GEOL 1110 Physical Geology (4 credits)
• GEOL 3211 Environmental Hydrology (3 credits)

COMPLETE THE FOLLOWING COURSE:

• ENVR 3880 Environmental Controversies (2 credits)

COMPLETE THE FOLLOWING COURSE:

• ENVR 4880 Senior Seminar I (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:

• ENVR 3600 Environmental Justice and Sustainability (3 credits)
• ENVR 4210 Environmental Law and Policy (3 credits)

COMPLETE 1 OF THE FOLLOWING COURSES (3 CREDITS):

• 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)

INDUSTRIAL ECOLOGY EMPHASIS

COMPLETE THE FOLLOWING COURSES:

• ENVR 4200 Wastewater Treatment (3 credits)
• ENVR 4220 Sampling and Analysis (4 credits)
• ENVR 4240 Waste Management (4 credits)
• ENVR 4260 Risk Assessment and Auditing (3 credits)
• GEOL 3212 Hydrogeology (3 credits)
• GEOL 3700 Environmental Geophysics (3 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:

• BIOL 1120 General Biology: Evolution And Ecology (3 credits)
• BIOL 1211 Introductory Biology I (4 credits)

SELECT 1 OF THE FOLLOWING COURSES:

• ENVR 4050 Geochemistry (3 credits)
• ENVR 4110 Environmental Chemistry (3 credits)
• CHEM 4110 Environmental Chemistry (3 credits)

SELECT 1 OF THE FOLLOWING COURSES:

• ENVR 4230 Air Pollution Technology (4 credits)
• ENVR 4500 Environmental Toxicology (4 credits)

SELECT 1 OF THE FOLLOWING COURSES:

• MATH 1470 Precalculus (5 credits)
• MATH 2471 Calculus I (5 credits)

SELECT 3 OR MORE SEMESTER CREDITS OF ELECTIVES APPROVED IN ADVANCE BY A CEEESS ADVISOR.

SUGGESTED SEMESTER SCHEDULE FOR ENVIRONMENTAL STUDIES MAJOR, B.S. INDUSTRIAL ECOLOGY EMPHASIS

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 1120 General Biology: Evolution And Ecology (3 credits)
• CHEM 1111 General Chemistry I (4 credits)
• CHEM 2211 Principles of Chemistry I (4 credits)
• CHEM 1112 General Chemistry II (4 credits)
• CHEM 2212 Principles of Chemistry II (4 credits)
• MATH 1470 Precalculus (5 credits)
• MATH 2471 Calculus I (5 credits)

Sophomore

• ECON 2000 Markets and Resource Allocation (3 credits)
• ENVR 2000 Introduction to Environmental Science (3 credits)
• GEOG 3231 Introduction to Geographic Information Systems (3 credits)
• GEOL 1110 Physical Geology (4 credits)

Junior

• ECON 3040 Environmental Economics (3 credits)
• ENVR 3300 Environmental Management and Safety (3 credits)
• ENVR 3880 Environmental Controversies (2 credits)
• ENVR 4050 Geochemistry (3 credits)
• ENVR 4110 Environmental Chemistry (3 credits)
• ENVR 4200 Wastewater Treatment (3 credits)
• ENVR 4220 Sampling and Analysis (4 credits)
• ENVR 4970 Internship (3 credits)
• GEOL 3211 Environmental Hydrology (3 credits)
- STAT 2610 Applied Statistics (4 credits)
  or SOC 3001 Social Statistics (3 credits)

Senior

- ENVR 4880 Senior Seminar I (1 credit)
- ENVR 4210 Environmental Law and Policy (3 credits)
  or ENVR 3600 Environmental Justice and Sustainability (3 credits)
- ENVR 4230 Air Pollution Technology (4 credits)
  or ENVR 4500 Environmental Toxicology (4 credits)
- ENVR 4240 Waste Management (4 credits)
- ENVR 4260 Risk Assessment and Auditing (3 credits)
- GEOL 3212 Hydrogeology (3 credits)
- GEOL 3700 Environmental Geophysics (3 credits)