

# ENVIRONMENTAL SCIENCE

College of Science and Health  
Bachelor of Science; ENVIRONMENTAL SCIENCE

## GE Requirements

1. Freshman Seminar
  - WPU 101 Freshman Seminar
2. Arts & Communication
  - Complete 2 courses from the following:
    - ARTH 101 Approaches to Visual Art
    - ARTH 201 Approaches to Modern Art
    - COMM 101 Intro to Theatre
    - COMM 110 Communication in Action
    - MUS 120 Music Appreciation
3. Humanities
  - Complete the following 7 requirements:
    - ENG 110 Writing Effective Prose
    - ENG 150 Intro to Literature
    - HIST 101 Foundations of Western Civ
    - HIST 102 The West and The Modern World
    - PHIL 110 Intro to Philosophy
    - FOREIGN LANGUAGE 6 credits
4. Math/Science
  - See Major Courses. All Courses Are Directed (**req.**)
5. Social Science
  - Complete 3 courses from the following:
    - ANTH 130 Intro to Anthropology
    - ECON 201 Macroeconomics (**recom.**)
    - GEO 150 World Regional Geography
    - POL 110 Intro to Politics
    - POL 120 American Government
    - PSY 110 General Psychology
6. Health/Movement Science
  - Complete 1 of the following:
    - PBHL 120 Current Health Issues
    - PBHL 200 Active Lifestyles for Health
    - PEGE 150 Fitness for Life
    - PEGE 200 Active Lifestyles for Health
7. Racism & Sexism
  - Complete 1 of the following:
    - AACS 150 Racism & Sexism in the US
    - AACS 155 Justice & Racism
    - WS 110 Women's Changing Roles
    - WS 150 Racism & Sexism in the US
8. General Education Elective
  - Complete 2 courses from the General Ed. List  
\*Excluding Major Courses\*
9. Non-Western
  - Complete 1 course from the Non-Western List
10. Upper Level Elective
  - Complete 3 courses
    - Any course 200 level or above
    - Excluding major and professional education courses

## CORE COURSES

- ENV 110 Environmental Foundations
- ENV 115 General Geology
- ENV 301 Field Experience
- ENV 375 Soils in the Environment
- ENV 070 Soil and Water Analysis
- ENV 380 Junior Seminar
- ENV 480 Senior Practicum

## MAJOR CO-REQUIREMENTS

- BIO 163/164 General Biology I & II
- CHEM 160/060 General Chemistry I
- CHEM 161/061 General Chemistry II
- CHEM 131/031 College Chemistry
- CHEM 132/032 Organic Biochemistry
- MATH 160/161 Calculus I & II **or**
- MATH 160/230 Calculus I & Statistics
- PHYS 260/261 General Physics I & II
- PHYS 255/256 College Physics I & II
- BIO 344 Ecology of Communities & Ecosystems

## MAJOR SCIENCE ELECTIVES

- CHEM 251/051 Organic Chemistry I
- CHEM 252/052 Organic Chemistry II
- CHEM 322 Environmental Chemistry
- CHEM 211 Instrumental Methods
- ENV 216 Oceanography
- ENV 220 Earth Through Time
- ENV 250 Meteorology

- For students planning to go to grad. school, the General Physics I/II and General Chemistry I/II seq. are **highly recommended**. Students are also encouraged to take **both** MATH 230 Statistics I, as well as MATH 201 Calc. II.

- ENV 320 Geochemistry
- ENV 327 Geomorphology
- ENV 389 Environmental factors in Land Use
- ENV 423 Pollution, Hazards, Impact & Risk
- ENV 450 Environmental Computer Applications
- ENV 470 Hydrogeology
- ENV 399 Selected Topics
- BIO 402 Aquatic Ecology
- BIO 261 General Biology **or**
- BIO 318 Invertebrate Zoology (by advisement)
- BIO 345 Conservation Biology
- BIO 399 Selected Topics
- GEO 403 Geographic Information Systems

## MAJOR ENVIRONMENTAL POLICY ELECTIVES:

- ENV 340 Environmental Law
- ECON 230 Economics of the Environment
- HUMH 201 Humanities Honors – Seminar III
- POL 355 Politics of the Environment
- SOC 406 Social and Environmental Change

## HIGHLY RECOMMENDED:

- CS 130 Introduction to Computers/BASIC **or**
- CS 201 Computer Lit; Micro Applications
- ECON 201 Macroeconomic Principles
- ECON 202 Microeconomic Principles
- ENG 300 Technical Writing **or**
- ENG 330 Critical Writing
- PHIL 335 Environmental Ethics