Environmental studies is the systematic study of human interaction with their natural environment. Today’s environmental problems have evolved into highly complex and interdisciplinary issues involving political, economic, social, physical and biological considerations. The environmental studies major is designed to provide students with the scholarly background and intellectual skills necessary to understand complex environmental problems and formulate decisions that are environmentally sound.

Environmental studies majors at Pitt-Bradford analyze what’s happening to our planet’s natural resources, including the rain forest, the ocean, global warming, droughts, floods, acid rain and wildfires. Students examine many local and regional issues by studying local attractions such as the Allegheny River, the Allegheny National Forest, Allegany State Park and the Tunungwant Creek (The Tuna).

**Employment Opportunities:**
- Air Pollution Analyst
- Forester
- Oceanographer
- Air Quality Inspector
- Geochemist
- Occupational Safety Specialist
- Animal Conservationist
- Geochronologist
- Organic Farmer
- Aquarium Keeper
- Geographic Information Specialist
- Paleontologist
- Aquatic Environmental Scientist
- Geologist
- Park Ranger
- Aquatic Toxicologist
- Prevention Specialist
- City Planner
- Groundskeeper Recycling Coordinator
- Conservation Systems
- Analyst Hazardous Waste Specialist
- Curator Horticulturist
- Soil Scientist
- Earthquake Safety Specialist
- Ecologist
- Hydrologist Urban and Regional Planner
- Industrial Hygienist
- Wastewater Engineer
- Energy Efficiency Consultant
- Laboratory Analysis
- Water Conservationist
- Environmental Chemist
- Landfill Engineer
- Water Quality Controller
- Environmental Educator
- Marine Mammal Trainer
- Watershed Planner
- Environmental Journalist
- Nature Preserve Manager
- Wildlife Rescuer
- Environmental Lobbyist
- Nature Photojournalist
- Zookeeper

**Required Skills:**
- Analyze
- Scientific
- Technical
- Written and Oral Communication
- Public Policy
- Financial Resources
- Teamwork
- Leadership
- Research and Reporting

**Possible Employers:**
- Recycling Plant
- Conservatory
- Mining Industry
- School and/or College
- Consulting Firm
- Ski Resort
- Utility Company
- Nonprofit Organization
- Pollution Control Agency

**PROFESSIONAL ORGANIZATIONS:**
- Air and Waste Management Association www.awma.org
- American Geological Institute www.agiweb.org
- Ecological Society of America www.esa.org
- Environment Industry Association www.envasns.org
- National Association of Environmental Professionals www.naep.org

**FIND OUT MORE ABOUT CAREERS IN ENVIRONMENTAL STUDIES AT:**
- Cool Works www.coolworks.com
- Environmental Jobs and Careers www.eco.org
- Career Services www.upb.pitt.edu/career.aspx
- Pitt-Bradford Environmental Studies www.upb.pitt.edu/bssd/environmentalstudies/index.htm
Environmental Studies (BA) – Curriculum Guide

Student

Advisor:

GENERAL EDUCATION REQUIREMENTS

COMPETENCIES
(Minimum grade of C- required in all competencies)
☐ FS 0102 Freshman Seminar
   (if transferring in fewer than 18 credits)

Writing
☐ ENG 0101 English Composition I
☐ ENG 0102 English Composition II

Mathematics
☐ MATH 0098 College Algebra or Higher (see Major)

THE HUMAN EXPERIENCE
☐ Students new to Pitt-Bradford beginning fall 2013 are
   required to complete two courses designated as “Global”
   This replaces the previous Non-Western requirement

ARTS & LETTERS (ONE course MUST be literature;
ONE course MUST be a creative, fine or performing Arts course)
☐ Literature (see major)
☐ Arts
☐ Literature, Arts, Language

BEHAVIORAL, ECONOMIC, & POLITICAL SCIENCES
(Two different categories must be represented))
☐ (see major)
☐ (see major)
☐ (see major)

HISTORY, CULTURES, & PHILOSOPHICAL INQUIRY
(ONE course MUST be History, and ONE course must be Cultures
or Philosophical Inquiry)
☐ HIST
☐ (see major)

PHYSICAL, LIFE, & COMPUTATIONAL SCIENCES
(ONE course must be a Physical Science, ONE must be a Life
Science and ONE must include a lab)
☐ (see major)
☐ (see major)
☐ (see major)
☐ Lab (see major)

PHYSICAL EDUCATION
☐ PEDC

REQUIRED MAJOR COURSES
☐ BIOL 0118 Ecology and Environmental Biology GE or
   BIOL 0217 Principles of Ecology & Evolution
☐ CHEM 0106 Chemistry of the Environment GE
☐ ECON 0102 Introduction to Microeconomics GE
☐ ECON 1307 Economics of Energy and the Environment
☐ ENG 0218 Intro to Literature and the Environment GE
☐ ENVSTD 0101/0102 Intro to Environmental Studies GE
☐ ENVSTD 1451 Capstone: Environmental Studies
☐ ES 0105 Environmental Geology GE
☐ PET 0105 Introduction to GIS and Technology GE
☐ PHIL 1445 Environmental Ethics GE
☐ PS 1365 Environmental Politics GE or
   SOC 1375 Global Environmental Politics

Three labs, choose from the following:
☐ BIOL 0119 Ecology and Environmental Biology Lab GE
☐ ES 0107 Environmental Geology Lab GE
☐ CHEM 0107 Chemistry of the Environment Lab GE

One course in statistics, choose one of the following:
☐ PSY 0201 Statistics GE OR
☐ MATH 0133 Statistics GE OR
☐ ECON 0204 Statistical Methods GE

ENVIRONMENTAL STUDIES ELECTIVE REQUIREMENTS
Take 5 (15 hours) additional courses, two (6 hours) must be
upper level. See Faculty Advisor for elective options.
☐ ☐ ☐ ☐ ☐

According to your Degree Progress Report in MY.PITT.EDU upon successful
completion of the current term:
You will have EARNED __________ credit hours
You NEED _________ for 120 credit hours required for graduation.
You will have earned__________ credit hours of Upper Level course work.
You NEED ______ for the 30 credit hours required for graduation.

NOTE: This guide is unofficial. Completing the requirements on this sheet does NOT
guarantee degree completion. Official degree completion information can be found in
MY.PITT.EDU. Contact your Faculty Advisor and/or the Registrar’s Office with
questions or concerns.