ENVIRONMENTAL SCIENCE AND POLICY (EVR)

The status of the earth’s environment has been a major concern since the 1960s. As we enter the 21st century, it represents one of the most critical issues facing nearly all nations individually as well as the earth community as a whole. Increased population, technology, globalization and diminishing natural resources all play an important role in the changing environment. As a consequence, governments at all levels are devoting resources to help understand the problems that we are facing and to aid in their mitigation. This includes everything from public education to cleaning up toxic waste sites. The environmental industry is a growing arena for employment for degree holders at all levels.

The Bachelor of Science (B.S.) in Environmental Science and Policy was approved in 1995. This interdisciplinary program spans multiple colleges within the university but is housed in the College of Arts and Sciences. All students must complete the University's General Education Requirements. All majors in the program must complete the required courses including two introductory courses in environmental science and policy, 2 semesters each of general biology and general chemistry, environmental ethics, environmental policy, statistics and physical science (either geology or physics). In addition, majors take six courses that allow them to sub-specialize in science or in policy. Students choosing to sub-specialize in science take 2 semesters of calculus, 1 semester of organic chemistry and lab, and 4 electives within designated tracks. Students choosing to sub-specialize in policy take environmental law and environmental economics and 4 electives within designated categories. Finally, all majors must complete an upper division seminar and an internship or project. The Program Advisor advises ESP majors.

Requirements for the Major in Environmental Science and Policy

Recommended Prerequisites (State Mandated Common Prerequisites)

Students wishing to transfer to USF should complete the A.A. degree at the community college. Some courses required for the major may also meet General Education Requirements thereby transferring maximum hours to the university. If students transfer without an A.A. degree and have fewer than 60 semester hours of acceptable credit, the students must meet the university’s entering freshman requirements including ACT or SAT test scores, GPA, and course requirements. There are no State Mandated Common Prerequisites for this degree program.

The transfer student should also be aware of the immunization, foreign language, and continuous enrollment policies of the university.

Students are encouraged to complete the following required supporting major courses prior to entering the university. Unless stated otherwise, a grade of “C” is the minimum acceptable grade.

  - Biology I and II with Lab 8
  - and
  - CHM 2045 & CHM 2045L General Chemistry & Lab 4
  - CHM 2046 & CHM 2046L General Chemistry II & Lab 4
  - plus
  - STA 2023 Statistics 3
  - One approved Geology or Physics Course with Lab 4

The calculus sequence is only required for students pursing the ESP-Science concentration.

- MAC 2233 & MAC 2234 Life Sciences Calculus 4
- or
- MAC 2281 & MAC 2282 Engineering Calculus 4

or

MAC 2311 & MAC 2312 Calculus 3

All students majoring in Environmental Science and Policy are required to see the advisor each semester prior to registration for the following term. Students who are eligible for an internship must see the internship coordinator four weeks prior to the beginning of the semester in which they will complete the internship.

REQUIREMENTS FOR ALL ENVIRONMENTAL SCIENCE MAJORS

- EVR 2001 Intro to Environmental Science
- EVR 2001L Intro to Environmental Science Lab
- EVR 2861 Intro to Environmental Policy
- EVR 4921 ESP Seminar
- EVR 4910 ESP Project
- or
- EVR 4940 ESP Internship

- BSC 2010 Biology I
- BSC 2010L Biology Lab I
- BSC 2011 Biology II
- BSC 2011L Biology Lab II
- CHM 2045 General Chemistry I
- CHM 2045L Chemistry Lab I
- CHM 2046 General Chemistry II
- CHM 2046L Chemistry Lab II
- PUP 4203 Environmental Policy
- PHI 3640 Environmental Ethics

Statistics

- STA 2023 Introductory Statistics
- or
- QMB 2100 Business and Economic Statistics
- or
- EGN 3443 Engineering Statistics

Geology or Physics

- GLY 2010 Dynamic Earth
- GLY 2010L Dynamic Earth Lab
- or
- GLY 2100 Historical Geology
- GLY 2100L Historical Geology Lab
- or
- PHY 2048 General Physics
- PHY 2048L General Physics Lab
- or
- PHY 2053 General Physics
- PHY 2053L General Physics Lab

Science Track

- MAC 2233 Life Sciences Calculus I
- MAC 2234 Life Sciences Calculus II
- or
- MAC 2281 Engineering Calculus I
- MAC 2282 Engineering Calculus II
- or
- MAC 2311 Calculus I
- MAC 2312 Calculus II
- and
- CHM 2210 Organic Chemistry
- CHM 2210L Organic Chemistry Lab

Policy Track

- ECP 3302 Environmental Economics
- POS 3697 Environmental Law

Science Track

- MAC 2233 and MAC 2234 OR MAC 2281 and MAC 2282 OR
- MAC 2311 and MAC 2312 and CHM 2210 and CHM 2210L
- plus 4 electives from one of the following tracks: Restoration, Water Quality, Environmental Monitoring or Marine Resources.

Please contact the Program office for a current list of electives under these categories.
Policy Track
ECP 3302 and POS 3697
plus four approved policy-related electives.
Please contact the Program office for a current list of electives under this category.

Requirements for the Minor in Environmental Science and Policy
A total of 19-20 credits are required for the minor in Environmental Science and Policy, 12 of which must be completed at USF. The Minor in Environmental Policy consists of the following program outline:

Required core courses:
- EVR 2001 Introduction to Environmental Science
- EVR 2001L Introduction to Environmental Science Lab
- EVR 2861 Introduction to Environmental Policy

Three of the following four courses:
- PUP 4203 Environmental Policy
- PHI 3640 Environmental Ethics
- ECO 3302 Environmental Economics
  (prerequisite: ECO 2023 Microeconomics)
- POS 3697 Environmental Law

And one 3-4 credit course from the following list, with prior approval from an ESP advisor:
- BSC 4057 Environmental Issues
- CGN 4933 Policy Issues in Environmental Engineering
- SPC 4930 Communication and the Natural Environment
- GEO 4340 Natural Hazards
- HIS 4936 Seminar in Environmental History
- POS 5086 Global Environmental Governance
- WST 3225 Women, Environment and Gender
- ANT 4199 Environmental Archaeology
- EVR 4930 Selected Topics in Environmental Policy