• 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. Students completing the Bachelor of Science (B.S.) in Environmental Science and Policy have found employment with government agencies (city, county, state, and federal), private industry, and non-profit organizations. Examples of careers include field scientist, research scientist, policy analyst, lobbyist, conservationist, and educator. Some also go on to attend graduate or law school.

The 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, one semester of calculus, 2 semesters each of general biology and general chemistry, environmental ethics, environmental politics and policy, statistics and physical science (either geology or physics). In addition, majors take 6-7 courses that allow them to sub-specialize in science or in policy. Students choosing to sub-specialize in science take a second semester 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 Department Advisor advises ESP majors. Unless stated otherwise, a grade of "C-" is the minimum acceptable grade.

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 with 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

and either

MAC 2241 Life Sciences Calculus 4

or

MAC 2281 Engineering Calculus 4

or

MAC 2311 Calculus 3

A second semester of calculus is only required of students pursuing the ESP-Science concentration. Students may choose among:

MAC 2242 Life Sciences Calculus 4

or

MAC 2282 Engineering Calculus 4

or

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 six 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 2002 Intro to Environmental Policy

EVR 4921 ESP Seminar

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 Politics and Policy

PUP 4403 Environmental Ethics

PHI 3640 Environmental Ethics

EVR 4910 ESP Project

or

EVR 4940 ESP Internship

Calculus

MAC 2241 Life Science Calculus

or

MAC 2281 Engineering Calculus

or

MAC 2311 Calculus

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 2015L Essentials of Geology Lab

or

GLY 2100 Historical Geology

GLY 2015L Essentials of 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 2242 OR MAC 2282 OR 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 Department office for a current list of electives under this category. The Department is located in SCA 238 or you may call (813) 974-2739.

Requirements for the Minor in Environmental Policy
A total of 19-20 credits are required for the minor in Environmental 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 Politics and Policy
PHI 3640 Environmental Ethics
ECO 3302 Environmental Economics
(prerequisite: ECO 2023 Microeconomics)
POS 3697 Environmental Law
Plus one approved policy-related elective. Please contact the department office for a current list of electives under this category.