ENVIRONMENTAL STUDIES

Degree: Bachelor of Science
Specializations: Environmental Policy, Natural Science, Geography
Minors: Environmental Studies, Geography
Certificate: Geographic Information Science
Department: Environmental Studies
Building 13, Room 206
(850) 474-2746
environmental@uwf.edu
College: Arts and Sciences
Semester Hours Required for Degree: 120


This interdisciplinary program offers a B.S. degree in Environmental Studies. Students learn to analyze physical and socioeconomic environments and to reach decisions concerning environmental use and protection. The major allows students to obtain an interdisciplinary background suitable for environmental monitoring and planning. Graduates are prepared for entry- and middle-level positions in governmental agencies in such areas as regional planning and resource management; for positions in industry and the private sector; or to pursue graduate degrees in urban/regional planning, resource management, coastal studies, Geographic Information Systems (GIS), and the geosciences.

Three specializations are available under this B.S. program: Environmental Policy, Natural Science, and Geography.

Contact the department for information concerning the Certificate in Geographic Information Science (GIS).

PROGRAM REQUIREMENTS

In addition to general University requirements, students seeking the B.S. in Environmental Studies must meet the requirements listed below.

Consult with your academic advisor for courses which may satisfy both the General Studies requirements and common prerequisites.

Course descriptions are listed alphabetically by prefix in the back of this Catalog.

ENVIRONMENTAL POLICY SPECIALIZATION

General Studies (36 sh)
Environmental Studies majors should take ANT 2000 or PSY 2012 to satisfy the social science/behavioral perspectives component and GEA 2000, ECO 2013, INR 2002, or POS 2041 to satisfy the social science/socio-political perspectives of General Studies.

For additional information see the General Studies section of this Catalog.

Common Prerequisites (26 sh)
State mandated common prerequisites must be completed prior to graduation, but are not required for admission to the program. Courses in brackets indicate substitutes from Florida public community/junior colleges and universities.

+ BOT 2010/L General Botany/ Lab ........................................... 4
+ BSC 1005/L General Biology for Non-Majors/Lab .................. 4
+ GEA 2000/L General Environment I/ Lab ............................. 4
+ GEA 2001/L General Environment II/ Lab ............................ 4
+ ENC 3240/L Technical Writing ........................................... 3
+ PCB 4043/L Ecology/Lab .................................................. 4
+ PH 3640/L Environmental Ethics ....................................... 3
+ STA 2023/L Elements of Statistics................................... 3
+ STA 2026/L General Statistics ......................................... 3
+ STA 2027/L Statistical Analysis ....................................... 3
+ STA 4070/L Advanced Statistical Analysis ............................ 3
+ STAT x023/L, MAC x045/L, CHM x032/L, CHM x045/L, CHM x200/L, CHM x220/L, MAC x010C, MAC x140, MAC x240, MAC x410, STA x023, STA x026, STA x027 for additional information see the General Studies section of this Catalog.

Lower Division Electives (0-11 sh)
Sufficient 1000/2000 level electives to complete at least 60 semester hours in the lower division. Current UWF students may use elective courses at any level (1000-4999) to meet this elective requirement.

Major (52-53 sh)
EVR 4023/L Coastal & Marine Environments ......................... 3
GEO 3100/L Cartographic Skills/Lab ................................. 4
GEO 3250/L Weather and Climate/Lab ................................ 4
GEO 3260/L Geography of Soils/Lab ................................ 4
GEO 4131/L Photo Interpretation & Remote Sensing/Lab ........ 4
GEO 4151/L Geographic Information Systems/Lab ............... 3
GEO 4280/L Basic Hydrology/Lab ........................................ 4
GEO 4332/L Seminar in Environmental Geology .................. 1
GEO 4333/L Seminar in Environmental Issues ...................... 3
GEO 4890/L Coastal Morphology & Processes/Lab ............ 4
GEO 3372/L Conservation of Natural Resources ................ 3
GEO 3470/L Geography of World Affairs .......................... 3
GEO 3502/L Economic Geography .................................... 3

Choose one:
EVR 4035/L Environmental Law ........................................... 3
EVR 4037/L Environmental Auditing .................................... 3
EVR 4870/L Land-Use Management .................................... 3
EVR 4941/L Practicum in Environmental Studies .................. 3
PHI 3640/L Environmental Ethics .................................... 3

Choose three:
EVR 4035/L Environmental Law ........................................... 3
EVR 4037/L Environmental Auditing .................................... 3
EVR 4870/L Land-Use Management .................................... 3
EVR 4941/L Practicum in Environmental Studies .................. 3
PHI 3640/L Environmental Ethics .................................... 3

Major-Related (7 sh)

PCB 4043/L Ecology/Lab .................................................. 4
ENC 3240/L Technical Writing ........................................... 3
EVR 3894/L Environmental Writing .................................... 3
Upper Division Electives (0-1 sh)
Sufficient 3000/4000 level electives to meet UWF's requirement of 48 semester hours in the upper division or completion of all departmental requirements at the 3000/4000 level, whichever is greater.

It is highly recommended that students choose from the following to complete their upper division electives: ECP 4302, PAD 3003, POS 3283, POS 3603, and PUP 4004.

NATURAL SCIENCE SPECIALIZATION

General Studies (36 sh)
Environmental Studies majors should take ANT 2000 or PSY 2012 to satisfy the social studies/behavioral perspectives component and GEA 2000, ECO 2013, INR 2002, or POS 2041 to satisfy the social science/socio-political perspectives of General Studies.

For additional information see the General Studies section of this Catalog.

Common Prerequisites (27 sh)
State mandated common prerequisites must be completed prior to graduation, but are not required for admission to the program. Courses in brackets indicate substitutes from Florida public community/junior colleges and universities.

+ BOT 2010/L General Botany/Lab ........................................ 4
+ CHM 2045/L General Chemistry I/Lab .................................. 4
+ CHM 2046/L General Chemistry II/Lab ................................ 4
+ GLY 2010/L Physical Geology/Lab ....................................... 4
[GLY x010C]
+ MAC 2311 Analytic Geometry & Calculus I ........................ 4 [MAC x311]
+ PHY 2048/L University Physics I/Lab .................................. 4 [PHY x048/L]
+ STA 2023 Elements of Statistics ....................................... 3 [STA x023]

+ Indicates common prerequisites which can be used to satisfy General Studies requirements.

Lower Division Electives (0-10 sh)
Sufficient 1000/2000 level electives to complete at least 60 semester hours in the lower division. Current UWF students may use elective courses at any level (1000-4999) to meet this elective requirement.

Major (42 sh)
EVR 4023 Coastal & Marine Environments ............................. 3
GEO 3100/L Cartographic Skills/Lab ..................................... 4
GEO 3210/L Geomorphology/Lab ......................................... 4
GEO 3250/L Weather & Climate/Lab .................................... 4
GEO 3260/L Geography of Soils/Lab ................................... 4
GEO 4131/L Photo Interpretation & Remote Sensing/Lab ......... 4
GEO 4151/L Geographic Information Systems/Lab ................. 3
GEO 4280/L Basic Hydrology/Lab ....................................... 4
GEO 4332 Senior Seminar ............................................. 1
GEO 4373 Methods & Techniques in Environmental Resource Management and Planning ...... 3
GEO 4890/L Coastal Morphology and Processes/Lab ............. 4
GLY 3031C Environmental Geology/Lab ............................. 4

Major-Related (18 sh)
BOT 3601/L Plant Ecology/Lab ........................................... 4
CHM 3120/L Analytical Chemistry/Lab ................................ 4
PCB 4043/L Ecology/Lab ........................................... 4
3000/4000 level Statistics (STA) course ............................ 3

Choose one:
ENC 3240 Technical Writing ........................................... 3
EVR 3894 Environmental Writing ...................................... 3

Upper Division Electives (0-1 sh)

GEOGRAPHY

General Studies (36 sh)
Geography majors should take ANT 2000 to meet the social science/behavioral perspectives component, GEA 2000 to meet the social science/socio-political perspectives component, STA 2023 to partially meet the mathematics component, and GEO 1200/L and one of the other common prerequisite science courses to meet the science component.

For additional information see the General Studies section of this Catalog.

Common Prerequisites (21 sh)

+ ANT 2000 Introduction to Anthropology ............................ 3
+ GEA 2000 Nations & Regions of the World ....................... 3
+ GEO 1200/L Physical Geography/Lab ................................. 4
+ STA 2023 Elements of Statistics .................................. 3

Choose one:
+ BOT 2010/L General Botany/Lab .................................... 4
+ BSC 1005/L General Biology for Non-Majors/Lab .............. 4
+ BSC 2311/L Introduction to Oceanography & Marine Biology/Lab ........................................... 4
+ ZOO 1010/L General Zoology/Lab ................................... 4

Choose one:
+ CHM 1032/L Fundamentals of General Chemistry/Lab ........ 4
+ CHM 2045/L General Chemistry I/Lab ................................ 4

+ Indicates common prerequisites which can be used to satisfy General Studies requirements.

Lower Division Electives (3-19 sh)
Sufficient 1000/2000 level electives to complete at least 60 semester hours in the lower division. Current UWF students may use elective courses at any level (1000-4999) to meet this elective requirement.

Major (47-48 sh)
EVR 4412 Environmental Aspects of Urban Growth ............... 3
EVR 4870 Land-Use Management ...................................... 3
GEO 3100/L Cartographic Skills/Lab .................................. 4
GEO 3210/L Geomorphology/Lab ....................................... 4
GEO 3250/L Weather & Climate/Lab .................................. 4
GEO 3372 Conservation of Natural Resources ...................... 3
GEO 3421 Cultural Geography ........................................ 3
GEO 4131/L Photo Interpretation & Remote Sensing/Lab ....... 4
GEO 4151/L Geographic Information Systems ...................... 3
GEO 4332 Senior Seminar ............................................. 1
GEO 4373 Methods & Techniques in Environmental Resource Management and Planning .......... 3
GEO 4152 Applications in Geographic Information Systems ........................................... 3
Choose one:
- GEO 3470 Geography of World Affairs ............................................. 3
- GEO 3502 Economic Geography ...................................................... 3

Choose one:
- GEA 4210 Geography of North America .......................................... 3
- GEA 4400 Geography of Latin America ............................................ 3

Choose one:
- EVR 4023 Coastal & Marine Environments ........................................ 3
- GEO 4890/L Coastal Morphology & Processes/Lab .................................. 4

Major Related (6 sh)
Choose one:
- ENC 3240 Technical Writing .......................................................... 3
- EVR 3894 Environmental Writing ..................................................... 3

Choose one:
- ANT 3141 Origins of Civilization .................................................... 3
- ANT 3158 Florida Archaeology ......................................................... 3
- ANT 3312 North American Indians .................................................. 3
- ANT 3403 Cultural Ecology .............................................................. 3
- ANT 3620 Language and Culture ...................................................... 3

Upper Division Electives (6-7 sh)
Sufficient 3000/4000 level electives to meet UWF's requirement of 48 semester hours in the upper division or completion of all departmental requirements at the 3000/4000 level, whichever is greater. Recommend Geography students complete their upper-level electives by enrolling in PCB 4043/L Ecology and/or Anthropology electives.

MINORS

Environmental Studies (17-18 sh)
An Environmental Studies Minor consists of 17-18 sh; at least 9 of which must be taken at UWF. Directed studies may not be used. Environmental Studies majors may not earn this minor.
- EVR 4035 Environmental Law .......................................................... 3
- GEO 1200/L Physical Geography/Lab ................................................. 4
- GEO 3372 Conservation of Natural Resources .................................... 3
- GLY 3031C Environmental Geology/Lab ............................................ 4

Choose one:
- EVR 4023 Coastal & Marine Environments ........................................ 3
- EVR 4037 Environmental Auditing ................................................... 3
- EVR 4870 Land-Use Management ...................................................... 3
- EVR 4941 Practicum in Environmental Studies .................................... 3
- GEO 3250/L Weather & Climate/Lab .................................................. 4
- GEO 4333 Seminar in Environmental Issues ....................................... 3
- GEO 4890/L Coastal Morphology & Processes/Lab .................................. 4

Geography Minor (20-22 sh)
A Geography Minor consists of 20-22 sh of courses. Of the 13 upper-division level hours, a minimum of 9 sh must be taken at UWF. Directed studies may not be used. Students in the Geography Specialization may not earn this minor.
- GEA 2000 Nations & Regions of the World ........................................ 3
- GEO 1200/L Physical Geography/Lab ............................................... 4
- GEO 3100/L Cartographic Skills/Lab .................................................. 4
- GEO 3421 Cultural Geography .......................................................... 3
- 3000/4000 level GEA/GEO electives ................................................ 6-8