

# **Environmental Studies (B.A.)**

**College of Arts and Sciences**

**Department of Ecology & Environmental Studies**

<https://www.fgcu.edu/cas/departments/ees/envirostuba/>  
(239) 590-7196

**~~2020-2021-2022~~ Catalog Year**

**Concentrations**

- Ecology and Environmental Assessment Concentration
- Environmental Education Concentration
- Water Resources Science and Management Concentration

The B.A. in Environmental Studies prepares students for careers related to monitoring, understanding, managing, and educating about the environment. This interdisciplinary course of study is grounded in integrated hands-on learning and research experiences in the classroom, laboratory, and field. Students learn about ecology and concepts of sustainability and gain a systems perspective on environmental issues that includes historical, cultural, economic, and ecological considerations. Students also gain a global perspective while applying their growing knowledge base and skill sets to the ecosystems of Southwest Florida.

## **Program Progression and Additional Graduation Requirements**

- Attend an orientation session.
- Sign an Advising Agreement document.

In addition to the program requirements, students must:

- Complete a minimum of 120 credits.
- Complete a minimum of 48 of the 120 credits at the upper division (3000 - 4999) level.
- Earn a cumulative GPA of 2.0 for all coursework attempted at FGCU.
- Satisfy the College-Level Skills and foreign language entrance requirements.
- Satisfy the Service Learning requirement.  
(See <https://www.fgcu.edu/studentlife/servicelearning/>).
- Satisfy the residency requirement: thirty of the last sixty credits must be completed at FGCU.
- Complete the summer course enrollment requirement.
- Submit an Application for Graduation by the deadline listed in the FGCU Academic Calendar.
- Satisfy Civic Literacy requirement.

## Program Requirements

For this major, common prerequisite courses with an asterisk (\*) require prior knowledge and skills demonstrated through degree acceleration programs (e.g., the College Board's Advanced Placement Program [AP], International Baccalaureate Program [IB], College-Level Examination Program [CLEP], Advanced International Certificate of Education Program [AICE]); dual enrollment; placement exam; or college coursework.

### 1. FGCU General Education

**Program** (<https://www.fgcu.edu/academics/undergraduatestudies/generaleducation/>)

To prevent or minimize excess hours, select general education courses that satisfy common prerequisite requirements for your intended major.

### 2. Common Prerequisites

For this major, common prerequisite courses with an asterisk (\*) require prior knowledge and skills demonstrated through degree acceleration programs (e.g., the College Board's Advanced Placement Program [AP], International Baccalaureate Program [IB], College-Level Examination Program [CLEP], Advanced International Certificate of Education Program [AICE]); dual enrollment; placement exam; or college coursework.

FGCU Course: BSC 1010C Gen'l Biology w/Lab I (4) or BSC1010 (3) and BSC1010L (1) Minimum grade of C

Acceptable Substitutes: BSCX010C or (BSCX010 and BSCX010L)

FGCU Course: BSC 1011C General Biology II w/lab (4) or BSC 1011 (3) and BSC 1011L (1) Minimum grade of C

Acceptable Substitute: BSCX011C or (BSCX011 and BSCX011L)

FGCU Course: EVR 1001C Introduction to Environmental Science (3)

Minimum grade of C

Acceptable Substitute: EVRX001

FGCU Course: \*CHM 1045C General Chemistry I w/lab (4) or (CHM 1045 (3) and CHM 1045L (1)) Minimum grade of C

Acceptable Substitute: CHMX045C or (CHMX045 and CHMX045L)

[Prerequisites of MAT 1033 minimum grade of C then MAC 1105 minimum grade of C; or relevant accelerated credit; or placement exam]

FGCU Course: \*STA 2023 Statistical Methods (3) Minimum grade of C

Acceptable Substitute: STAX023

[Prerequisites of MAT 1033 minimum grade of C; or relevant accelerated credit; or placement exam]

**3. Required Courses in the Major (25 credits)**

A minimum grade of C is required in each course.

EVR 2861 Intro to Environmental Policy (3)  
EVR 3002 Overview Environmental Studies (1)  
EVR 3020 Environmental Philosophies (3)  
EVR 3712 Regional Environmental Studies (3)  
EVR 4326 Environmental Studies Capstone (3)  
EVR 4940 Internship in Environ Studies (3)  
IDS 3300 Foundations of Civic Engagement (3)  
ISC 3154C Environmental Research Design (3)  
PCB 3043C General Ecology (3)

**4. Restricted Electives in the Major (6 credits)**

A minimum grade of C is required in each course.

Select 4 credits from the following:

CHM 1084C Environmental Chemistry (4)  
CHM 1046 General Chemistry II (3) and CHM 1046L General Chemistry II Lab (1)

Select 2 credits from the following:

BSC 4933 Current Topics in Biology (1)\*  
EVR 4920 Current Topics in Environ Studies (1)\*  
ISC 4930 Current Topics in Intd Nat Scienc (1)\*

**5. Concentration Requirements (15 credits)**

A minimum grade of C is required in each course

Complete one of the following concentrations

**A. Ecology and Environmental Assessment Concentration**

Complete the following:

EVR 4043C Environmental GIS (3)

Complete 3 credits from the following research courses:

EVR 4028 Simulation and Modeling (3)\*

EVR 4910 Sr Proj Rsch Environ Studies (2) and EVR 4911 Sr Proj Pres in Environ Studies (1)  
PCB 3460C Ecosystem Monitor & Resea Method (3)\*

Complete 3 credits from the following:

OCE 3008C Oceanography (3)\*  
PCB 4036C Landscape & Ecosystems Ecology (3)\*  
PCB 4303C Limnology (3)\*  
PCB 4442C Wetland Ecology (3)\*

Complete 6 credits from the following electives:

BOT 3015C The Lives of Plants and Algae (3)  
BOT 4601C Plant Ecology (3)  
BSC 3303 Biogeography (3)  
EVR 4024C Microbial Ecology (3)  
EVR 4026 Human Ecology and Systems (3)  
EVR 4028 Simulation and Modeling (3)\*  
EVR 4324 Integrated Ecosystems Mgmt (3)  
EVR 4872 Environmental Policy/Law (3)  
EVR 4905 Ind Study in Environ Studies (1-4)  
EVR 4930 Spec Topics in Environ Studies (1-4)  
EVS 4814C Environmental Toxicology (3)  
EVS 4874C Climate Change Ecology (3)  
GLY 3820C Introduction to Hydrology (3)  
IPM 3020 Integrated Pest Management (3)  
OCE 3008C Oceanography (3)\*  
PCB 3414C Behavioral Ecology (3)  
PCB 3460C Ecosystem Monitor & Resea Method (3)\*  
PCB 4036C Landscape & Ecosystem Ecolog (3)\*  
PCB 4303C Limnology (3)\*  
PCB 4442C Wetland Ecology (3)\*  
ZOO 4272C Ornithology (3)

\* The courses taken in one category cannot be used to satisfy another category.

## **B. Environmental Education Concentration**

Complete the following:

EVR 4423 Teach & Learn Outdoors (3)  
EVR 4914 Interpreting the Environment (3)  
EVR 4924 Environmental Education (3)

Complete 3 credits of 3000-4999 level courses with the prefix BOT or ZOO

Complete 3 credits from the following:

AMH 3423 Modern Florida (3)

~~AMH 4428 Southwest Florida History (3)~~

BSC 3303 Biogeography (3)

EVR 4910 Sr Proj Rsch Environ Studies (2) and EVR 4911 Sr Proj Pres in Environ Studies (1)

OCE 3008C Oceanography (3)

PCB 3414C Behavioral Ecology (3)

PCB 3460C Ecosystem Monitor & Resea Method (3)

PCB 4036C Landscape & Ecosystem Ecolog (3)

PCB 4303C Limnology (3)

PCB 4442C Wetland Ecology (3)

Any 3000-4999 level courses with EVR or EVS prefix\*

\*The courses taken in one category cannot be used to satisfy another category.

### **C. Water Resources Science and Management Concentration**

Complete the following:

EVR 4043C Environmental GIS (3)

EVR 4211 Water Resources Sci & Policy (3)

Complete 3 credits from the following environmental science courses:

EVS 4814C Environmental Toxicology (3)\*

GLY 3820C Introduction to Hydrology (3)\*

PCB 4303C Limnology (3)\*

PCB 4442C Wetland Ecology (3)\*

Complete 3 credits from the following environmental research courses:

EVR 4028 Simulation and Modeling (3)\*

EVR 4910 Sr Proj Rsch Environ Studies (2) and EVR 4911 Sr Proj Pres in Environ Studies (1)

PCB 3460C Ecosystem Monitor & Resea Method (3)\*

Complete 3 credits from the following electives:

EVR 4026 Human Ecology and Systems (3)

EVR 4028 Simulation and Modeling (3)\*

EVR 4872 Environmental Policy/Law (3)

EVR 4905 Ind. Study in Environ Studies (1-4)\*

EVR 4930 Spec Topics in Environ Studies (1-4)\*

EVS 4814C Environmental Toxicology (3)\*  
EVS 4874C Climate Change Ecology (3)  
GLY 3820C Introduction to Hydrology (3)\*  
PCB 3460C Ecosystem Monitor & Resea Method (3)\*  
PCB 4303C Limnology (3)\*  
PCB 4442C Wetland Ecology (3)\*

\*The courses taken in one category cannot be used to satisfy another category

**6. University Requirements (3 credits)**

IDS 3920 University Colloquium (3)

**7. Additional Electives - as needed to reach total credits required for the degree**

**TOTAL CREDITS REQUIRED: 120**