

Department of Earth and Environment
Bachelor of Science in Environmental Studies
Agricultural Sciences Major
(Students Entering Fall 2021 or later)

Lower Division Requirements (30 credits minimum)

ISC 1056: First Yr Sem in Earth and Env. (1) f, s _____
 ECO 2023 Microeconomics (3), _____
 BSC 2010&L General Biology I and Lab (4) _____
 BSC 2011&L General Biology II and Lab (4) _____
 CHM 1045&L General Chem I and Lab (4) _____
 Prerequisites: MAC1105 or MAC1114 or MAC1140 or MAC1147 or CHM1025 or an appropriate Math placement
 CHM 1046&L General Chem II and Lab (4) _____
 Prerequisite: CHM1045+L

Choose one of the following

ESC 1000&L Intro to Earth Science & Lab (4) _____
 GLY 1010&L Physical Geology & Lab (4) _____
 GLY 3039&L Environmental Geol & Lab (4)f _____

Choose one of the following

EVR 3010 Energy Flow (3) _____
 Prerequisite: MAC1105
 PHY 2023 Survey of General Physics (3) _____
 PHY 2048 Physics with Calc I (4) _____
 Pre/co-requisites: MAC2311
 PHY 2053 Physics without Calc I (4) _____
 Pre/co-requisites: MAC1114

MAC 1114 Trigonometry (3) f, s, ss _____
 Prerequisite: MAC1105 or an appropriate Math placement
 or
 MAC 1147 Precalculus Alg/Trig (4) f, s, ss _____
 Prerequisite: MAC1105 or an appropriate Math placement

Additional Upper or Lower Division Requirements (6-7 credits)

One of the following three courses

STA 2023 Statistical Methods (3) _____
 STA 2122 Introduction to Applied Statistics (3) _____
 STA 3111 Statistics I (3) _____

One of the following three courses

MAC 2311 Calculus I (4) _____
 Prerequisite: MAC1147 or MAC1114+MAC1140 or an appropriate Math placement
 STA 3112 Statistics II (3) _____
 Prerequisite: STA3111
 STA 3123 Statistics for Behav & Soc. Sci. II (3) _____
 Prerequisites: STA2122 or STA2023 or equivalent

Upper Division Program (37 credits):

EVR 3011 Environ Resource & Pollution (3) f,s _____
 Prerequisites: MAC1105 and an introductory science course
 EVR 4211&L Water Resources and Lab (4) f _____
 Prerequisites: CHM1045, CHM1046 or equivalent, BSC2010

****AEB 4131 Farm Economics and Man. (3) s** _____
 Prerequisites: ECO2023
 or
EVR 3723 Natural Resource Val & Economics (3)f, s _____
 Prerequisites: ECO2023
 or
ECP 3302 Intro to Environmental Economics (3)f, ss _____
 Prerequisites: ECO2023
****AEB4131 is strongly recommended for the Agricultural Sciences Major.**

AGR 4240 Modern Crop Production (3) s _____
 Prerequisites: BSC2010, BSC2011
 HOS 3012&L Intro to Horticulture and Lab (4) f _____
 IPM 4020 Integrated Pest Management (3) f _____
 Prerequisites: BSC2010
 EVR 4592&L Soils and Ecosys and Lab (4) s _____
 Prerequisites: BSC2010 and CHM1045
 SWS 4303&L Soil Micro and Lab (4) f _____
 Prerequisite: EVR4592
 AG 4941 Internship in Agriculture (2) f,s,ss _____
 EVR 4272 Agroecology (3) f **GL** _____
 EVR 4274 Sustainable Agriculture (3) s **GL** _____

Capstone Course

ISC4935 Senior Seminar in E&E Science (1) f, s _____
 Prerequisite: Must be in final year of study. Permission of the instructor required

f: Fall term; s: Spring term; ss: Summer term. *Note:* scheduled semesters are subject to change.

Other Requirements for graduation:

- **Minimum 120 credits, FIU GPA 2.0 or higher**
Maximum of 60 lower division credits may be transferred from another institution. 30 Maximum number of upper-division credits applied toward the bachelor's degree.
- **UCC requirements** (See PDA and Academic Advisor for more information on how to complete requirements)
- **University Global Learning Requirement** (2 courses. See goglobal.fiu.edu and Academic Advisor for options on how to complete this requirement)
- **Civics Literacy Requirement:** The Civic Literacy requirement is a statewide mandate that applies to undergraduate students initially entering a Florida State University System (SUS) and/or Florida College System (FCS) institution in the 2018-19 academic year and thereafter. Please see your academic advisor to learn about your options to complete this requirement.
- **University Foreign Language Requirement (FLENT/FLEX):** State-mandated foreign language requirement
- **Summer Enrollment:** Students transferring to FIU with less than 60 credits are required to earn at least 9 credits during one or more summer terms at FIU or any other university in the State University System of Florida. Courses may be completed in person or online.
- **College of Arts, Sciences & Education:** Minimum 45 upper division credits requirement

Academic Advising: You should meet with your advisor at least once a semester. To make an appointment with your advisor, log into MyFIU and navigate to the "Academic Advising" tile, then select "Success Network."

Success Markers: The Earth & Environment Department has identified important courses in the major that indicate you are on track for successful degree completion. In cases where students are not making good progress, a change of major may be required.

30 credits-

- Complete ISC 1056 with a C or better
- Complete 1 course from this list with a C or better by 30 credits: MAC 1105, MAC 1140, MAC 1114, MAC 1147, MAC 2311, MAC 2281
- Complete 2 courses from this list with a C or better: BSC 2010, BSC 2010L, BSC 2011, BSC 2011

45 credits-

- Complete 1 course from this list with a C or better: MAC 1114, MAC 1140, MAC 1147, MAC 2311, MAC 2281
- Complete CHM 1045 and CHM 1045L with a C or better

60 credits-

- Complete CHM 1046 and CHM 1046L with a C or better
- Complete ECO 2023 with a C or better