

**Department of Earth and Environment**  
**Bachelor of Science in Environmental Studies**  
**Agricultural Sciences Major**  
(Students Entering Fall 2020 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
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**Additional Upper or Lower Division Requirements (6-7 credits)**

One of the following three courses  
 STA 2023 Statistics for Business & Econ (3) \_\_\_\_\_  
 STA 2122 Statistics for Behav & Soc. Sci. I (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.
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AGR 4240 Modern Crop Production (3) s \_\_\_\_\_  
 Prerequisites: BSC2010, BSC2011  
 HOS 3012&L Intro to Horticulture and Lab (4) f \_\_\_\_\_  
 Prerequisite: AGR3930  
 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  
 AGG 4941 Internship in Agriculture (2) f,s,ss \_\_\_\_\_  
 EVR 4272 Agroecology (3) f \_\_\_\_\_

**Capstone Course**

EVR 4274 Sustainable Agriculture (3) s \_\_\_\_\_  
 ISC4935 Senior Seminar in Earth and Environmental Science 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**

**UCC requirements**

See PDA for more information \_\_\_\_\_

**University Global Learning Requirement**

2 courses. See [goglobal.fiu.edu](http://goglobal.fiu.edu) for more information.  
**GL** in list above denotes approved Global Learning Courses.

**Foundations course** \_\_\_\_\_

**Discipline Specific course** \_\_\_\_\_

**University Foreign Language Requirement (FLENT/FLEX)** \_\_\_\_\_

**Arts & Sciences minimum 45 upper division credits requirement** \_\_\_\_\_

**Arts & Sciences Elective Requirement (9 credits)**

In the last 60 hours of enrollment, 9 credits outside of major of which 6 must be outside the major department.