

Department of Earth and Environment Bachelor of Arts in Earth Sciences

(For students entering after 2021)

Lower Division prerequisites (33 credits Minimum)

ISC 1056: First Yr Sem in Earth and Env. (1) f,s _____

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) _____

CHM 1045&L General Chem I&Lab (4) f,s,ss _____

Prerequisites: MAC1105 or MAC1114 or MAC1140 or MAC1147 or CHM1025 or adequate Math placement

CHM 1046&L General Chem II&Lab (4) f,s,ss _____

Prerequisite: CHM1045+L

Choose one of the following

MAC 1114 Trigonometry (3) f,s,ss _____

Prerequisites: MAC1105 or adequate Math placement

MAC 1147 Pre-Calc Alg and Trig (4) f,s,ss _____

Prerequisites: MAC1105 w/a B or adequate Math placement

Choose one of the following

STA 2023 Statistical Methods (3) f, s, ss _____

STA 3111 Statistics I (3) f,s,ss _____

MAC 2311 Calculus 1 (4) f,s,ss _____

Prerequisite: MAC1147 or MAC1114+MAC1140 or adequate Math placement.

PHY 2048 Physics with Calc I (4) f,s,ss _____

Pre/co-requisites: MAC2311

or

PHY 2053 Physics without Calc I (4) f,s,ss _____

Pre/co-requisites: MAC1114

and

PHY 2048L General Physics Lab I (1) _____

Pre/co-requisites: PHY2048 or PHY2053

PHY 2049 Physics with Calc II (4) f,s,ss _____

Pre/co-requisites: MAC2312 and PHY2048

or

PHY 2054 Physics without Calc II (4) f,s,ss _____

Prerequisites: PHY2053 or PHY2048

and

PHY 2049L General Physics Lab II (1) _____

Pre/co-requisites: PHY2049 or PHY2054

BSC 2011&L* General Biol II & Lab (4) f,s,ss _____

or

GLY 1101&L History of Life & Lab (4) f,s,ss _____

* BSC 2010: General Biology I is **not** a prerequisite for BSC2011

Upper Division program (32 credits Minimum)

Complete requirements from each list

List 1: All Required: (11 credits)

GLY 3112 Earth Through Time (3) s _____

GLY 3202&L Earth Materials & Lab (4) f _____

Prerequisites: (ESC1000 or GLY1010 or GLY3039) + CHM1045

or

MET3502+L Synoptic Meteorology & Lab (4) s _____

Prerequisite: MET 3003

OCE 3014 Oceanography **GL** (3) f,s,ss _____

or

OCP 3002 Physical Oceanography (3) f _____

Prerequisites: CHM1045 + (PHY2048 or PHY2053)

ISC4935 Senior Seminar in E&E Science (1) f, s _____

Prerequisite: Must be in final year of study. Permission of the instructor required

List 2: THREE of the following (9-12 credits):

GLY 4300&L Petrology & Lab (4) s _____

Prerequisite: GLY3202

GLY 4400&L Structural Geology & Lab (4) f _____

Prerequisites: (ESC1000 or GLY1010 or GLY3039) and (MAC1114 or MAC1147)

GLY 4511&L Stratigraphy & Lab (4) f _____

Prerequisite: GLY3202

GLY 4822 Intro to Hydrogeology (3) s _____

Prerequisites: (PHY2048 or PHY2053), CHM1045, MAC2311

MET 3003 General Meteorology (3) f _____

Prerequisite: PHY2048 or PHY2053

MET 4102 Physical Climatology (3) f _____

Prerequisites: PHY 2054 or PHY 2049

MET 4420 Physical Meteorology (3) s _____

Prerequisites: PHY 2048, PHY 2049, MET 3003

List 3: TWO of the following (6-8 credits):

EVR 3013&L Ecol. of S. Fla and Lab (4) f, s, ss _____

EVR 4211&L Water Resources and Lab (3) f _____

Prerequisites: CHM1045, CHM1046 or equivalent, BSC1010

EVR 4592&L Soils & Ecosyst and Lab (4) s _____

Prerequisites: BSC2010 and CHM1045

GEO 3510 Earth Resources GL (3) f,s, _____

GLY 3034 Natural Disasters (3) f,s, _____

GLY 4881 Coastal Hazards GL (3), f _____

List 4 Electives: (6-8 credits):

TWO approved upper division GLY (excluding GLY 3039), MET or EVR courses.

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)
- **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: MAC 1105, MAC 1140, MAC 1114, MAC 1147, MAC 2311, MAC 2281
- Complete 2 courses from this list with a C or better: ESC 1000, ESC 1000L, GLY 1010, GLY 1010L, GLY 3039, GLY 3039L

45 credits-

- Complete 1 course from this list with a C or better: MAC 1114, MAC 1147, MAC 2311, MAC 2281
- Complete CHM 1045 and CHM 1045L with a C or better.
- Complete 2 courses from this list with a C or better by 45 credits: GLY 1101, GLY 1101L, BSC 2011, BSC 2011L

60 credits-

- Complete 1 course from this list with a C or better: MAC 2311, MAC 2281, STA 2122, STA 2023, STA 3111
- Complete CHM 1046 and CHM 1046L with a C or better
- Complete 2 courses from this list with a C or better: PHY 2048, PHY 2053, PHY 2048L