

Undergraduate Major Map

Catalog Year 2023
College / School Arts, Sciences & Education
Major Geosciences - BS
Track / Concentration Atmospheric Sciences
Career Path Two Year Transfer

Fall Term 2023				Term Hours: 13
Elective credits can be used to satisfy Global Learning requirement.				Cum GPA: 2
*Course availability subject to change. Please see Academic Advisor.				
Course Group	Course Required	Course Description	Credit Hours	Course Notes
3000-4000 Level Electives			3	
First Year Seminar	ISC 1056	First Year Sem Earth Env	1	
Geosciences Required	MET 3003	General Meteorology	3	Prerequisite: PHY2048 or PHY2053.
Geosciences Required	OCP 3002	Physical Oceanography	3	Prereq: CHM1045 and (PHY2048 or PHY2053)
3000-4000 Level Electives			3	

Spring Term 2024				Term Hours: 13
May use one 3000-4000 Level Elective to satisfy the Global Learning requirement. See endnotes				Cum GPA: 2
Course Group	Course Required	Course Description	Credit Hours	Course Notes
Major Specific Courses	MET 3502	Synoptic Meteorology	3	
Major Specific Courses	MET 3502L	Synoptic Meteor Lab	1	
Geosciences Required	GLY 3112	Earth thru Time	3	Prereq: GLY1010 or GLY3039
Geosciences Required	GLY 4822	Intro Hydrogeology	3	Prerequisites: (GLY1010 or GLY3039), (PHY2048 or PHY2053), CHM1045, MAC2311
3000-4000 Level Electives			3	

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Summer Term 2024 Use this summer to catch up on coursework if necessary. May use one 3000-4000 Level Elective to satisfy the Elective Outside the Major requirement (if needed)				Term Hours: 6 Cum GPA: 2
Course Group	Course Required	Course Description	Credit Hours	Course Notes
General Electives			3	
General Electives			3	

Fall Term 2024 Apply for Spring Graduation. May use one 3000-4000 Level Elective to satisfy the Global Learning requirement. See Endnotes May use two 3000-4000 Level Electives to satisfy the Elective Outside the Major requirement (if needed)				Term Hours: 15 Cum GPA: 2
Course Group	Course Required	Course Description	Credit Hours	Course Notes
General Electives			3	
Major Specific Courses	MET 4301	Dynamic Meteorolo I	3	Prereq: PHY2048
Major Specific Courses	MET 4102	Physical Climatology	3	Prerequisites: PHY2054 or PHY2049.
Additional Weather Forecasting	MET 4300	Severe Weather	3	Prerequisite: MET3003. Or can take two semesters of MET4520L; only offered Spring terms.
Geosciences Electives	MET 4532	Hurricanes	3	Or other List 4 option.

Spring Term 2025 May use one 3000-4000 Level Elective to satisfy the Elective Outside the Major requirement (if needed)				Term Hours: 13 Cum GPA: 2
Course Group	Course Required	Course Description	Credit Hours	Course Notes
Senior Seminar	ISC 4935	Senior Sem Earth & Enviro	1	
Major Specific Courses	MET 4302	Dynamic Meteorol II	3	Prerequisites: PHY2048, PHY2049, MET4301
Major Specific Courses	MET 4420	Physical Meteorology	3	
Additional Weather Forecasting	MET 4521	Advanced Forecasting	2	
General Electives			3	
General Electives			1	Research Credit or Internship recommended.

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<p>Summer Term 2025 Use this summer to catch up on course work if necessary.</p>	<p>Cum GPA: 2</p>
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General Requirements

*Course availability subject to change. Please see Academic Advisor.

Prerequisite Courses: FIU Course(s); Equivalent Course(s).

GLY 1010, GLY 1010L or GLY 3039, GLY 3039L; GLYX010C or GLYX010/X010L.

CHM 1045, CHM 1045L; CHMX045/X045L or CHMX040 and CHMX041 or CHMX045C.

CHM 1046, CHM 1046L; CHMX046/X046L or CHMX046C.

MAC 2311; MACX311 or MTHX281.

MAC 2312; MACX312

MAC 2313

MAP 2302

PHY 2048, PHY 2049 or PHY 2053, PHY 2054, PHY2048L, PHY 2049L; PHYX048C and PHYX049C or PHYX048/X048L and PHYX049/X049L or PHYX053C and PHYX054C and XXXXXXXX.

*Critical Indicator is the minimum grade indicated in specific courses to demonstrate proficiency and progress in major. Earning less than the minimum grade is a trigger for a conversation with advisor.

GENERAL UNIVERSITY REQUIREMENTS

Transfer students are assumed to have completed an Associates of Arts Degree from a Florida Public Institution or satisfied completed 60 credits and the University Core Curriculum Requirements.

In addition, the following courses are required of incoming transfer students:

Global Learning Requirement for Transfers: Transfers entering FIU Fall 2011 or later are required to take two Global Learning courses. Those who meet University Core Curriculum Requirements prior to entering FIU-Two Global Learning Discipline Specific Courses (One of the two may be a Global Learning Foundation Course chosen in consultation with your advisor)Those who do not meet University Core Curriculum Requirements prior to entering FIU-One Global Learning Foundation Course (from the University Core Curriculum)-One Global Learning Discipline Specific Course. Transfer courses may not be used to meet the FIU Global Learning Requirement.

For a list of Global learning courses: <http://goglobal.fiu.edu>

Grades: Students must earn a grade of "C" or higher in all courses required for the major. A grade of "C-" or lower is not acceptable in any required course. This document only lists SELECTED requirements.

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:Upper Division Credit Requirement

Requires completion of 45 credits upper division (3000 and 4000 level). We recommend checking your degree audit and coordinating with your assigned advisor.

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See your Panther Degree Audit for a full list of CASE and major requirements at <http://my.fiu.edu>.

Major specific requirements

1. ISC 1056 First Year Seminar (1 unit)
2. Geoscience Essentials (12 units)
3. Atmospheric Major Specific Courses (16 units)
4. Remote Sensing and Instrument (3 units)
5. Weather Forecasting (2-3 units)
6. Geosciences electives (6 units)
7. ISC 4935 Senior Seminar (1 unit)