

## Undergraduate Major Map

**Catalog Year** 2022  
**College / School** Arts, Sciences & Education  
**Major** Geosciences - BS  
**Track / Concentration**  
**Career Path** Four Year Freshman

<b>Fall Term 2022</b> The major map should be used as a general guide. Please make sure to meet regularly with your academic advisor and use your Panther Degree Audit to track your requirements. Also make sure to refer to the Major Map Endnotes for more specific information.  Math placement is based on your Math Placement Score and classes are to be selected in consultation with an advisor. Pre-Calculus math sequence is MAC1105 and MAC1147.  *Course availability subject to change. Please see Academic Advisor.					<b>Term GPA:</b> 2 <b>Term Hours:</b> 13 <b>Cum GPA:</b> 2
Course Group	Course Required	Course Description	Credit Hours	Course Notes	
General Chemistry I & II	CHM 1045	Gen Chemistry I	3	Also satisfies UCC Natural Science Group One course	
General Chemistry I & II	CHM 1045L	Gen Chem Lab I	1	Also satisfies UCC Natural Science Group One lab. Corequisite: CHM1045.	
UCC Communication	ENC 1101	Writing and Rhetoric I	3		
UCC First Year Experience	SLS 1501	First Year Exper	1		
Calculus I & II	MAC 2311	Calculus I	4	Pre- Req: MAC1147. Also satisfies UCC Mathematics Group One course	
First Year Seminar	ISC 1056	First Year Sem Earth Env	1		

<b>Spring Term 2023</b>					<b>Term GPA:</b> 2 <b>Term Hours:</b> 14 <b>Cum GPA:</b> 2
Course Group	Course Required	Course Description	Credit Hours	Course Notes	
General Chemistry I & II	CHM 1046	Gen Chemistry II	3	Prerequisite: CHM1045 with lab. Corequisite: CHM1046L	
General Chemistry I & II	CHM 1046L	Gen Chem Lab II	1	Corequisite: CHM1046	
UCC Communication	ENC 1102	Writing and Rhetoric II	3	Prerequisite: ENC1101	
Calculus I & II	MAC 2312	Calculus II	4	Also satisfies UCC Mathematics Group Two course	
UCC Humanities Group One			3	May satisfy Gordon Rule with Writing (GRW) and/or Global Learning (GL) Requirement. Please speak with your advisor	

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<b>Summer Term 2023</b> By end of summer 1, student should have at least 30 credits.  May use electives to satisfy Global Learning (GL) or Gordon Rule with Writing (GRW) requirements. Please speak with your advisor.  Use this semester to catch up on coursework and/or satisfy the 9 credits summer requirement.				<b>Term GPA:</b> 2 <b>Term Hours:</b> 3 <b>Cum GPA:</b> 2
Course Group	Course Required	Course Description	Credit Hours	Course Notes
UCC Social Science Group One			3	May satisfy Gordon Rule with Writing (GRW) and/or Global Learning (GL) requirement. Please speak with your advisor. (8) POS 2041 or AMH 2020 recommended if Civic Literacy requirement is not met.

<b>Fall Term 2023</b>				<b>Term GPA:</b> 2 <b>Term Hours:</b> 12 <b>Cum GPA:</b> 2
Course Group	Course Required	Course Description	Credit Hours	Course Notes
Geosciences Lower Division	GLY 1010	Physical Geology	3	Also satisfies UCC Natural Science Group Two course. Or can take ESC1000 or GLY3039.
Geosciences Lower Division	GLY 1010L	Physical Geology Lab	1	Also satisfies UCC Natural Science Group Two course. Or can take ESC1000L or GLY3039L with its corresponding lecture.
Physics I			4	PHY2048 (Pre/Co-req: MAC2311) or PHY 2053
Physics I	PHY 2048L	General Phys Lab I	1	Prerequisite or Corequisite: PHY2048 or PHY2053
UCC Humanities - Group Two			3	May satisfy Gordon Rule with Writing (GRW) and/or Global Learning (GL) Requirement. Please speak with your advisor

<b>Spring Term 2024</b> May use electives to satisfy Global Learning (GL) or Gordon Rule with Writing (GRW) Requirements. Please speak with your advisor				<b>Term GPA:</b> 2 <b>Term Hours:</b> 12 <b>Cum GPA:</b> 2
Course Group	Course Required	Course Description	Credit Hours	Course Notes
Physics II			4	PHY 2049 (Pre/Co-req: MAC2312) or PHY 2054
Physics II	PHY 2049L	General Phys Lab II	1	Co-requisite: PHY2049 or PHY2054
Geological Sciences Track - Prerequisites	GLY 1101	The History Of Life	3	Also satisfies UCC Natural Science Group Two course. Corequisite: GLY1101L. Or can take BSC2011+L.
Geological Sciences Track - Prerequisites	GLY 1101L	History Of Life Lab	1	Also satisfies UCC Natural Science Group Two course. Corequisite: GLY1101. Or can take BSC2011+L.
General Electives			3	Global Learning - Discipline Specific or Foundations. Approved by Advisor

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<b>Summer Term 2024</b> Use this semester to catch up on coursework and/or satisfy the 9 credits summer requirement (if needed)				<b>Term GPA:</b> 2 <b>Term Hours:</b> 6 <b>Cum GPA:</b> 2
Course Group	Course Required	Course Description	Credit Hours	Course Notes
UCC Arts			3	May satisfy Gordon Rule with Writing (GRW) and/or Global Learning (GL) requirement. Please speak with your advisor
UCC Social Science Group Two			3	May satisfy Gordon Rule with Writing (GRW) and/or Global Learning (GL) Requirement. Please speak with your advisor

<b>Fall Term 2024</b>				<b>Term GPA:</b> 2 <b>Term Hours:</b> 16 <b>Cum GPA:</b> 2
Course Group	Course Required	Course Description	Credit Hours	Course Notes
Geosciences Required	MET 3003	General Meteorology	3	Prerequisite: PHY2048 or PHY2053.
Geosciences Required	OCP 3002	Physical Oceanography	3	Prerequisites: CHM1045 and (PHY2048 or PHY2053)
Geosciences Upper Level	GLY 3202	Earth Materials	3	Corequisite: GLY3202L. Prerequisites: (ESC1000 or GLY1010 or GLY3039 or permission of the instructor) and CHM1045
Geosciences Upper Level	GLY 3202L	Earth Materials Lab	1	Corequisite: GLY3202
General Electives			3	Global Learning - Discipline Specific or Foundations. Approved by Advisor
General Electives			3	

<b>Spring Term 2025</b>				<b>Term GPA:</b> 2 <b>Term Hours:</b> 16 <b>Cum GPA:</b> 2
Course Group	Course Required	Course Description	Credit Hours	Course Notes
Geosciences Upper Level	GLY 4300	Petrology	3	Prerequisite: GLY3202. Corequisite: GLY4300L
Geosciences Upper Level	GLY 4300L	Petrology Lab	1	Corequisite: GLY4300
Geosciences Required	GLY 3112	Earth thru Time	3	Prerequisites: GLY1010 or GLY3039
Geosciences Electives	GLY 4734	Changing Coastlines	3	Or can take other List 3 option.
General Electives			3	
General Electives			3	

## Undergraduate Major Map

<p><b>Summer Term 2025</b> Use this semester to catch up on coursework and/or satisfy the 9 credits summer requirement (if needed)</p>	<p><b>Term GPA:</b> 2 <b>Cum GPA:</b> 2</p>
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<p><b>Fall Term 2025</b> Please speak with your advisor about applying for graduation.  May use electives to satisfy Global Learning (GL) or Gordon Rule with Writing (GRW) requirements. Please speak with your advisor.  May use electives to satisfy the Elective Outside the Major requirement (if needed)</p>	<p><b>Term GPA:</b> 2 <b>Term Hours:</b> 14 <b>Cum GPA:</b> 2</p>
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Course Group	Course Required	Course Description	Credit Hours	Course Notes
Geosciences Upper Level	GLY 4511	Stratigraphy	3	Prerequisite: GLY3202. Co-Requisite: GLY4511L
Geosciences Upper Level	GLY 4511L	Stratigraphy Lab	1	Co-Requisite: GLY4511
Geosciences Upper Level	GLY 4400	Structural Geology	3	Corequisites: GLY4400L. Prerequisites: (ESC1000 or GLY1010 or GLY3039) and (MAC1114 or MAC1147)
Geosciences Upper Level	GLY 4400L	Stru Geol Lab	1	Corequisites: GLY4400.
General Electives			3	Elective Outside Major
General Electives			3	3000-4000 Level Electives

<p><b>Spring Term 2026</b> May use electives to satisfy Global Learning (GL) or Gordon Rule with Writing (GRW) requirements. Please speak with your advisor.  May use one 3000-4000 Elective to satisfy the Elective Outside the Major requirement (if needed)</p>	<p><b>Term GPA:</b> 2 <b>Term Hours:</b> 14 <b>Cum GPA:</b> 2</p>
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Course Group	Course Required	Course Description	Credit Hours	Course Notes
Senior Seminar	ISC 4935	Senior Sem Earth & Enviro	1	
Geosciences Required	GLY 4822	Intro Hydrogeology	3	Prerequisites: (GLY1010 or GLY3039), (PHY2048 or PHY2053), CHM1045, MAC2311
Field Experience	GLY 3782	Geology Excursion	3	May substitute with field camp from another university or GLY4791. Prerequisites: ESC1000 or GLY1010 or GLY3039
General Electives			3	
General Electives			1	Can consider Student Research
Geosciences Electives	GLY 3034	Natural Disasters	3	Or can take other List 3 option.

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<p><b>Summer Term 2026</b> Use this semester to catch up on coursework and/or satisfy the 9 credits summer requirement (if needed)</p>	<p><b>Term GPA:</b> 2 <b>Cum GPA:</b> 2</p>
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### General Requirements

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

\*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 See your Panther Degree Audit (PDA) for a real-time update on your academic career progress and additional information on University and major requirements at <http://my.fiu.edu>.

(1) UCC: Students must meet the University Core Curriculum (UCC) requirements. For a full list of UCC courses, see <http://undergrad.fiu.edu/advising/curriculum.html> or speak with your advisor. UCC courses must be taken for a letter grade and may not be taken at other institutions without permission from the Dean of Undergraduate Education.

(2) Global Learning: Freshmen entering FIU Summer B 2010 or later must take at least two Global Learning (GL) designated courses at FIU. See <http://goglobal.fiu.edu>. Courses must be: - 1 GL foundation course (from the University Core Curriculum), which must be taken within the first 60 credits.- 1 GL discipline-specific course (3000/4000 level)

(3) Summer Hours Requirement: All students entering FIU or any university within the State University System (SUS) of Florida with fewer than 60 credit hours are required to earn at least nine credit hours prior to graduation by attending one or more summer terms at a university in the SUS.

(4) Gordon Rule: All Gordon Rule courses (i.e., English Composition, Humanities with Writing, and Quantitative Reasoning) must be completed with a minimum grade of "C." This requirement must be fulfilled within the first 60 credits.

(5) Foreign Language Requirement for Graduation (FLENT/FLEX): A student who did not complete two years of the same foreign language in high school or at a post-secondary institution must successfully complete 8-10 credit hours of instruction in one foreign language prior to graduation. Exceptions include appropriate CLEP, AP, IB, TOEFL, or transfer credit. Contact your advisor for more information.

(6) Postsecondary Civic Literacy (CL): Students must demonstrate understanding of American Civics via completed course work or test credit. Consult with an advisor to determine the best option for satisfying this requirement.

(7) 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

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.

## Undergraduate Major Map

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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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This document only lists SELECTED requirements.

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. Geology Fundamentals (16 units)
4. Field Experience (3 units)
5. Geosciences electives (6 units)
6. ISC 4935 Senior Seminar (1 unit)