

## Undergraduate Major Map

**Catalog Year** 2021  
**College / School** Arts, Sciences & Education  
**Major** Chemistry - BS  
**Track / Concentration**  
**Career Path** Two Year Transfer

<b>Fall Term 2021</b>					<b>Term Hours:</b> 15
May use one 3000-4000 Level Elective to satisfy the Elective Outside the Major requirement (if needed)					<b>Cum GPA:</b> 2
Course Group	Course Required	Course Description	Credit Hours	Course Notes	
Chemistry Core	CHM 3410	Phys Chem I	4	Prerequisites: CHM 3120/L, MAC 2312, PHY 2049/L	
Chemistry Core	CHM 3410L	Phys Chm Lab I	1		
Chemistry Core	CHM 3120	Intro Analyt Chem	3	Prerequisites: CHM 1046 and CHM 1046L	
Chemistry Core	CHM 3120L	Intr Analyt Chm Lab	1		
Chemistry Math Continued			3	Choose 1 of the following: COP2270, MAC2313, or MAP2302	
3000-4000 Level Electives			3	Global Learning Discipline Specific Course Recommended	

<b>Spring Term 2022</b>					<b>Term Hours:</b> 13
May use one General Elective to satisfy the Global Learning requirement. See endnotes					<b>Cum GPA:</b> 2
Course Group	Course Required	Course Description	Credit Hours	Course Notes	
Chemistry Core	CHM 4130L	Instr Analysis Lab	1		
General Electives			3	Global Learning Discipline Specific Course Recommended	
Chemistry Core	CHM 3411	Phys Chem II	4	Prerequisites: CHM 3410 and CHM 3410L	
Chemistry Core	CHM 3411L	Phys Chem Lab II	2		
Chemistry Core	CHM 4130	Instrument Analysis	3	Prerequisites: CHM 3400/L or CHM 3410/L, CHM 3120/L, PHY 2049 or 2054, PHY 2049L	

<b>Summer Term 2022</b>					<b>Term Hours:</b> 6
					<b>Cum GPA:</b> 2
Course Group	Course Required	Course Description	Credit Hours	Course Notes	
Chemistry Research	CHM 4910L	Under Res Chem	3	Research completed alongside a Faculty Advisor.	
3000-4000 Level Electives			3	Consult with Academic Advisor. If not already completed, take a Discipline Specific GL course	

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<b>Fall Term 2022</b> Apply for Spring Graduation May use one 3000-4000 Level Elective to satisfy the Global Learning requirement. (2) See endnotes May use one 3000-4000 Level Elective to satisfy the Elective Outside the Major requirement (if needed)				<b>Term Hours:</b> 13 <b>Cum GPA:</b> 2
Course Group	Course Required	Course Description	Credit Hours	Course Notes
Chemistry Core	CHM 4220	Adv Org Chem	3	Prerequisites: CHM 2211 and CHM 2211L; Fall Only Availability
General Electives			3	Consult with Academic Advisor. If not already completed, take a Discipline Specific GL course
General Electives			3	Consult with Academic Advisor. If not already completed, take a Discipline Specific GL course
Chemistry Core	CHM 3610	Fund Inorganic Chem	3	Prerequisites: CHM 2211 and CHM 2211L
Chemistry Core			1	CHM3610L- Fundamentals of Inorganic Chemistry Lab

<b>Spring Term 2023</b> Students are required to take a nationally-normed chemistry examination in their last semester before graduation. Please contact the chemistry department for more information.  May use one 3000-4000 Level Elective to satisfy the Elective Outside the Major requirement (if needed).				<b>Term Hours:</b> 13 <b>Cum GPA:</b> 2
Course Group	Course Required	Course Description	Credit Hours	Course Notes
Chemistry Core			3	
Chemistry Core	CHM 4304	Biol Chemistry I	3	Prerequisites: CHM 2211 and CHM 2211L
Chemistry Lab			1	CHM4230L or CHM4304L is recommended
Senior Seminar	CHM 4930	Senior Seminar	1	Can only be completed in final semester of the program with advisor permission
3000-4000 Level Electives			3	Consult with Academic Advisor. If not already completed, take a Discipline Specific GL course
3000-4000 Level Electives			2	Consult with Academic Advisor. If not already completed, take a Discipline Specific GL course

<b>Summer Term 2023</b> Use this Semester to catch up on coursework if necessary.	<b>Cum GPA:</b> 2
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### General Requirements

Pre-requisites:

FIU Course or its transferred equivalent

CHM 1045, CHM 1045L

CHM 1046, CHM 1046L

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CHM 2210, CHM 2210L  
CHM 2211, CHM 2211L  
PHY 2048, PHY 2048L  
PHY 2049, PHY 2049L  
MAC 2311  
MAC 2312

\*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>

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.

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.

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. <https://transfer.fiu.edu/transfer-101/graduation-requirements/>

University Core Requirement/GRW: All students entering FIU or any university within the State University System (SUS) of Florida with fewer than 60 credit hours should meet with their academic advisor to discuss possible additional university requirements.

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.

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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>.

1. Choose one of the following Chemistry Math courses to meet requirement: COP 2270, MAC 2313, or MAP 2302
2. Chemistry core consists of 34 units. Either CHM 4230L or CHM 4304L must be completed, but not both.
3. Complete 3 additional units of a 4000 level Chemistry course.
4. Students are required to take a nationally-normed chemistry examination in their last semester before graduation. Please contact the chemistry department for more information.

\*Students who wish to graduate in the customary four years should make sure they are ready to take Physical Chemistry I at the beginning of the third year of study \*\*Students who plan to pursue a career in research should plan to start their independent study project no later than the beginning of the fourth year and are encouraged to begin sooner.

Students interested in Pre-Medical, Dentistry, Veterinary, Optometry, Pharmacy Curricula should consult the Pre-Health advisors at 305-348-0515