

Undergraduate Major Map

Catalog Year 2018
College / School Arts, Sciences & Education
Major Chemistry - BA
Track / Concentration
Career Path Two Year Transfer

Fall Term 2018

Term Hours: 15

Complete PHY2048/2053 or CHM2210 if not completed prior to transferring to FIU.
Both are required.
Consult with your advisor to find out how many upper division elective credits you need
- this differs for every student depending on cognate course(s) take

Course Group	Course Required	Course Description	Credit Hours	Critical Indicator	Course Notes
CHEMISTRY LOWER DIVISION PREREQUISITES			4	C	PHY2048 or PHY2053 or CHM2210 are recommended
CHEMISTRY LOWER DIVISION PREREQUISITES			1	C	PHY2048L or CHM2210L is recommended
Intro to Analytical Chemistry	CHM 3120	Intro Analyt Chem	3	B	
Intro to Analytical Chemistry	CHM 3120L	Intr Analyt Chm Lab	1	C	
3000-4000 Level Electives			3		Global Learning Recommended
3000-4000 Level Electives			3		Elective Outside of Major

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Spring Term 2019

Term Hours: 15

May use one 3000-4000 Level Elective to satisfy the Elective Outside the Major requirement (if needed)

Consult with your advisor to find out how many upper division elective credits you need - this differs for every student depending on cognate course(s) taken.

Course Group	Course Required	Course Description	Credit Hours	Critical Indicator	Course Notes
CHEMISTRY LOWER DIVISION PREREQUISITES			4	C	PHY2049 or PHY2054 or CHM2111 are recommended
3000-4000 Level Electives			3		Elective Outside of Major
3000-4000 Level Electives			3		Global Learning Recommended
CHEMISTRY LOWER DIVISION PREREQUISITES			1	C	PHY2049L or CHM2211L is recommended
Cognate Area Course			3		Cognate Area Course
Cognate Area Course			1		Cognate Area Lab

Summer Term 2019

Use this Semester to catch up on coursework if necessary.

Consult with your advisor to find out how many upper division elective credits you need - this differs for every student depending on cognate course(s) taken.

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Fall Term 2019

Term Hours: 16

Apply for Spring Graduation

May use one 3000-4000 Level Elective to satisfy Electives outside of major (if needed).

Consult with your advisor to find out how many upper division elective credits you need

- this differs for every student depending on cognate course(s) taken.

Course Group	Course Required	Course Description	Credit Hours	Critical Indicator	Course Notes
Fundamentals of Physical Chemistry	CHM 3400	Fund.Phys.Chm	3		
Fundamentals of Physical Chemistry	CHM 3400L	Fund.Phys.Chm.Lab	1		
Biological Chemistry I	CHM 4304	Biol Chemistry I	3		
Biological Chemistry I	CHM 4304L	Biol Chem I Lab	1		
Restricted Electives - Additional			3		Lecture - See End Notes
3000-4000 Level Electives			1		Lab Course Recommended
3000-4000 Level Electives			3		Elective Outside of Major
Restricted Electives - Additional			1		Lab - See End Notes

Spring Term 2020

Term Hours: 16

Students are required to take a nationally-normed chemistry examination in their last semester before graduation. Please contact the chemistry department for more information.

Consult with your advisor to find out how many upper division elective credits you need

- this differs for every student depending on cognate course(s) taken.

Course Group	Course Required	Course Description	Credit Hours	Critical Indicator	Course Notes
Senior Seminar	CHM 4930	Senior Seminar	1		
Chemistry 4000 Level			3		CHM4910L and CHM 4911L may not be used
Restricted Electives - Additional			3		Lecture Only - See End Notes
3000-4000 Level Electives			3		
3000-4000 Level Electives			3		
3000-4000 Level Electives			3		

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Summer Term 2020

Use this Semester to catch up on coursework if necessary.

General Requirements

Pre-requisites

FIU Course(s) ----- Equivalent Course(s)

CHM 1045, CHM 1045L - CHMX045/X045L or

----- CHMX040 and CHMX041

----- CHMX045C

CHM 1046, CHM 1046L - CHMX046/X046L or

----- CHMX046C

CHM 2210, CHM 2210L - CHMX210/X210L and

CHM 2211, CHM 2211L - CHMX211/X211L or

----- CHMX210C and

----- CHMX211C

PHY 2048, PHY 2048L -- PHYX048/X048L and

PHY 2049, PHY 2049L -- PHYX049/X049L or

----- PHYX048C and

----- PHYX049C or

----- PHYX053/X053L and

----- PHYX054/X054L or

----- PHYX053C and PHYX054C

MAC 2311 ----- MACX311 or MACX281

MAC 2312 ----- MACX312 or MACX282

BSC1010, BSC1010L

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

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Transfer courses may not be used to meet the FIU Global Learning Requirement. For a list of Global learning courses: <http://goglobal.fiu.edu>

Upper Division Credit Requirement: Students must earn 48 credits at the 3000 or 4000 level.

Foreign Language Requirement: Students must demonstrate competency in a foreign language or in American Sign Language at the level of the second semester of a college language sequence. You may be able to satisfy this requirement with AP, CLEP Exam, or other credit. Contact your advisor.

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

1. Chemistry restricted electives: complete 2 lecture courses; 1 of them with the associated lab with a minimum grade of "C."
2. Complete 1 additional 4000-level Chemistry course; cannot use CHM 4910L, CHM 4911L
3. Students are required to take a nationally-normed chemistry examination in their last semester before graduation. Contact 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.