

Undergraduate Major Map

Catalog Year 2017
College / School Arts, Sciences & Education
Major Chemistry - BA
Track / Concentration Environmental Chemistry
Career Path Two Year Transfer

Fall Term 2017

Term Hours: 15

May use one 3000-4000 Level Elective to satisfy the Global Learning requirement. (2)
See endnotes

May use one General Elective to satisfy the Elective Outside the Major requirement (if needed)

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

Spring Term 2018

Term Hours: 14

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

Course Group	Course Required	Course Description	Credit Hours	Critical Indicator	Course Notes
CHEMISTRY LOWER DIVISION PREREQUISITES			4	C	PHY2049 Or PHY2054 Or CHM2211 are recommended
CHEMISTRY LOWER DIVISION PREREQUISITES			1	C	PHY2049L Or CHM2211L is recommended
Cognate Area Courses			3	C	See Degree Audit or advisor for course choices
3000-4000 Level Electives			3		
General Electives			3		

Undergraduate Major Map

Summer Term 2018

Use this Semester to catch up on coursework if necessary.

Fall Term 2018

Term Hours: 17

Apply for Spring Graduation

May use one 3000-4000 Level Elective to satisfy the Global Learning requirement. (2)

See endnotes

Course Group	Course Required	Course Description	Credit Hours	Critical Indicator	Course Notes
Biological Chemistry I	CHM 4304	Biol Chemistry I	3	C	
Biological Chemistry I	CHM 4304L	Biol Chem I Lab	1	C	
Fundamentals of Physical Chemistry	CHM 3400	Fund.Phys.Chm	3		
3000-4000 Level Electives			3		
3000-4000 Level Electives			3		
Fundamentals of Physical Chemistry	CHM 3400L	Fund.Phys.Chm.Lab	1		
3000-4000 Level Electives			3		Global Learning Recommended

Spring Term 2019

Term Hours: 14

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)

Course Group	Course Required	Course Description	Credit Hours	Critical Indicator	Course Notes
Senior Seminar	CHM 4930	Senior Seminar	1		
Chemistry 4000 Level			3		May NOT use CHM4910L or CHM4911L and MUST be Environmentally related
Restricted Electives			3		
3000-4000 Level Electives			3		
Restricted Electives	CHM 4130	Instrument Analysis	3		
Restricted Electives	CHM 4130L	Instr Analysis Lab	1		

Undergraduate Major Map

Summer Term 2019

Use this Semester to catch up on coursework if necessary.

General Requirements

Prerequisite Courses:

CHM 1045, CHM 1045L ----- CHMX045/X045L or CHMX045C or CHMX040 and CHMX041
CHM 1046, CHM 1046L ----- CHMX046/X046L or CHMX046C
CHM 2210, CHM 2210L ----- CHMX210/X210L or CHMX210C
CHM 2211, CHM 2211L ----- CHMX211/X211L or CHMX211C
PHY 2048, PHY 2048L ----- PHYX048/X048L or PHYX053/X053L
PHY 2049, PHY 2049L ----- PHYX049/X049L or PHYX054/X054L
MAC 2311 ----- MACX311 or MACX233 or MACX253 or MACX081 or MACX241
MAC 2312 ----- MACX312 or MACX282
STA 2122, STA 3123 ----- MACX234 or STAX023 or STAX024 or STAX321
BSC 1011, BSC 1010L

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>

College 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>.

College specific requirements

This concentration is intended for students who desire a comprehensive background in chemistry but with an interest in applying their expertise in chemistry to environmentally-related careers and issues.

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Check PDA for eligible Cognate Area Courses and appropriate Restricted Electives.