

Undergraduate Major Map

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

Fall Term 2017

Term Hours: 15

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

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	PHY2048 Or PHY2053 or CHM2210 are recommended
CHEMISTRY LOWER DIVISION PREREQUISITES			1	C	PHY2048L Or CHM2210L are 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 the Major

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Spring Term 2018

Term Hours: 15

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

See end notes.

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	BSC 1011	General Biology II	3	C	
Cognate Area Courses	BSC 1011L	Gen Biology Lab II	1	C	
3000-4000 Level Electives			3		
3000-4000 Level Electives			3		Global Learning Recommended

Summer Term 2018

Use this Semester to catch up on coursework if necessary.

Fall Term 2018

Term Hours: 15

Apply for Spring Graduation

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		
Restricted Electives: Additional			3		Lecture Only - See End Notes
General Electives			3		
3000-4000 Level Electives			1		Lab Course recommended
Biological Chemistry I	CHM 4304	Biol Chemistry I	3		
Biological Chemistry I	CHM 4304L	Biol Chem I Lab	1		

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Spring Term 2019

Term Hours: 17

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
3000-4000 Level Electives			3		
Senior Seminar	CHM 4930	Senior Seminar	1		
Chemistry 4000/5000 Level			3		May not use CHM4910L or CHM4911L and course must be biomedically related
Biochemistry Concentration			3		CHM 4307 or CHM 4300 required
Biochemistry Concentration			1		CHM 4307L or CHM 4230L required
3000-4000 Level Electives			3		Elective Outside the Major
3000-4000 Level Electives			3		Elective Outside the Major

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

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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 of Arts, Sciences & Education 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 of Arts, Sciences & Education specific requirements

This concentration is intended for students who desire a comprehensive background in chemistry but with emphasis in biological chemistry. The curriculum is designed to contain all of the courses necessary for entry into medical and dental school.

1. Choose from List 1 (Cognate Area Courses):

BSC 1011/BSC1011L

2. Choose from List 2 (Restricted Electives):

CHM4300 & CHM4230L or CHM4307 & CHM4307L and one other lecture course

3. One senior level chemistry elective (CHM4XXX/CHM5XXX)** which is biomedically related.

**CHM4910L or CHM4911L may not be used to satisfy this requirement.

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.

CHECK PDA FOR ELIGIBLE COGNATE AREA COURSES AND APPROPRIATE RESTRICTED ELECTIVES.