

## Undergraduate Major Map

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

### Fall Term 2017

**Term Hours:** 14

May use one 3000-4000 Level Elective to satisfy the Global Learning requirement. (2)  
 See endnotes  
 Complete PHY2048/2053 or CHM2210 if not completed prior to transferring to FIU.  
 Both are required.

Course Group	Course Required	Course Description	Credit Hours	Critical Indicator	Course Notes
Cognate Area Course	CCJ 2020	Criminal Justice	3	C	
3000-4000 Level Electives			3		Global Learning Recommended
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		

### Spring Term 2018

**Term Hours:** 15

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)  
 Complete PHY2049/2054 or CHM2211 if not completed prior to transferring to FIU.  
 Both are required.

Course Group	Course Required	Course Description	Credit Hours	Critical Indicator	Course Notes
3000-4000 Level Electives			3		Global Learning Recommended
CHEMISTRY LOWER DIVISION PREREQUISITES			4	C	PHY2049 Or PHY2054 Or CHM2211 are recommended
CHEMISTRY LOWER DIVISION PREREQUISITES			1	C	PHY2049 Or CHM2211L is recommended
3000-4000 Level Electives			3		
Intro to Analytical Chemistry	CHM 3120L	Intr Analyt Chm Lab	1		
Intro to Analytical Chemistry	CHM 3120	Intro Analyt Chem	3		

## Undergraduate Major Map

### Summer Term 2018

Term Hours: 3

Use this Semester to catch up on coursework if necessary.

Course Group	Course Required	Course Description	Credit Hours	Critical Indicator	Course Notes
3000-4000 Level Electives			3		

### Fall Term 2018

Term Hours: 14

Apply for Spring Graduation

May use two 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
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		See End Notes
3000-4000 Level Electives			3		
Biological Chemistry I	CHM 4304	Biol Chemistry I	3		
Biological Chemistry I	CHM 4304L	Biol Chem I Lab	1		

## Undergraduate Major Map

### Spring Term 2019

**Term Hours: 14**

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

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

Course Group	Course Required	Course Description	Credit Hours	Critical Indicator	Course Notes
Restricted Electives	CHM 4130	Instrument Analysis	3		
Restricted Electives	CHM 4130L	Instr Analysis Lab	1		
3000-4000 Level Electives			3		
Senior Seminar	CHM 4930	Senior Seminar	1		
Chemistry 4000 Level			3		CHM 4910L, CHM 4911L may not be used.
General Electives			3		

### 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.

## Undergraduate Major Map

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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 a career in forensic science or criminalistics.

1. (Cognate Area Courses): CCJ 3024
2. (Restricted Electives): CHM4130/4130L and one other lecture course.
3. One senior level chemistry elective (CHM4XXX/CHM5XXX or CHS4XXX/CHS5XXX) \*\* with forensic emphasis.

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

4. For a Forensic Science Certificate, CHS4591 (Forensic Internship) is also required.
5. 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.

### Pre-Medical, Dentistry, Veterinary, Optometry, Pharmacy Curricula

Students who have satisfied the requirements for either the BA or the BS degree in chemistry will also have satisfied the course requirements for admission to professional schools in the above areas. The BA-Chemistry degree (Biochemistry Concentration) includes additional course work relevant to the career objectives of the student. Interested students should consult the Pre-medical advisor, Dr. Landrum at 305-348-3091.