

Undergraduate Major Map

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

Fall Term 2018					Term Hours: 13
					Cum GPA: 2
Course Group	Course Required	Course Description	Credit Hours	Critical Indicator	Course Notes
Biochemistry Core	CHM 4304	Biol Chemistry I	3	C	
Biochemistry Core	CHM 4304L	Biol Chem I Lab	1	C	
Biochemistry Core	PCB 3063	Genetics	3		
Common Prerequisites	PHY 2048	Physics W/Calculus I	4		
Biochemistry Core	PCB 3063L	Genetics Lab	1	C	
Common Prerequisites	PHY 2048L	General Phys Lab I	1		

Spring Term 2019					Term Hours: 13
					Cum GPA: 2
Course Group	Course Required	Course Description	Credit Hours	Critical Indicator	Course Notes
Biochemistry Core	CHM 4307	Biol Chemistry II	3		
Common Prerequisites	PHY 2049L	General Phys Lab II	1		
Biochemistry Core	CHM 4307L	Bio Chem Lab II	1		
Common Prerequisites	PHY 2049	Physics W/Calc II	4		
Biochemistry Core	MCB 3020	General Microbiology	3		
Biochemistry Core	MCB 3020L	General Micro Lab	1		

Summer Term 2019					Term Hours: 4
Use this Semester to catch up on coursework if necessary.					Cum GPA: 2
Course Group	Course Required	Course Description	Credit Hours	Critical Indicator	Course Notes
Biochemistry Core	CHM 3120	Intro Analyt Chem	3		
Biochemistry Core	CHM 3120L	Intr Analyt Chm Lab	1		

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Fall Term 2019

Apply for Spring Graduation

Term Hours: 14

Cum GPA: 2

College of Arts, Sciences & Education requires 45 credits of 3000 or 4000 level courses, plan accordingly. Consult with your advisor to find out how many more you need. This varies for every student, depending on which Biochemistry Core Set Option is selected.

Biochemistry Core Set Option requires students to take either Set 1: CHM 3410L AND CHM 3411L OR Set 2: CHM 4130 AND CHM 4130L.

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)

Course Group	Course Required	Course Description	Credit Hours	Critical Indicator	Course Notes
Biochemistry Core Continued	CHM 4910L	Under Res Chem	3		
General Electives			3		
3000-4000 Level Electives			3		Global Learning Discipline Specific course recommended
Biochemistry Core	CHM 3410	Phys Chem I	4		
BioChem BS Core			1		Options: CHM 3410L

Spring Term 2020

Students are required to take a nationally-normed chemistry examination in their last semester before graduation.

Term Hours: 16

Cum GPA: 2

Biochemistry Core Set Option requires students to take either Set 1: CHM 3410L AND CHM 3411L OR Set 2: CHM 4130 AND CHM 4130L.

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
Biochemistry Core	CHM 3411	Phys Chem II	4		
3000-4000 Level Electives			3		
3000-4000 Level Electives			3		Global Learning course recommended
Biochem Core Additional			3		Students may not use CHM3410L, CHM3411L or CHM4130, CHM4130L if they were used to complete the Set Option requirement.
Biochemistry Core	CHM 4930	Senior Seminar	1		
BioChem BS Core			2		Take CHM 4130 and CHM 4130L or take CHM 3411L if CHM 3410L was taken in the Fall

Summer Term 2020

Use this Semester to catch up on coursework if necessary.

Cum GPA: 2

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General Requirements

Pre-requisites:

FIU Course or its transferred equivalent

BSC 1010, BSC 1010L

BSC 1011, BSC 1011L

CHM 1045, CHM 1045L

CHM 1046, CHM 1046L

CHM 2210, CHM 2210L

CHM 2211, CHM 2211L

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>

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>.

1. Biochemistry core consists of 38-40 units. .
2. Students are required to take a nationally-normed chemistry examination in their last semester before

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graduation. Please contact the chemistry department for more information.

*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.