

Undergraduate Major Map

Catalog Year 2023
College / School Arts, Sciences & Education
Major Biochemistry - BS
Track / Concentration
Career Path Two Year Transfer

Fall Term 2023				Term Hours: 13	Cum GPA: 2
Course Group	Course Required	Course Description	Credit Hours	Course Notes	
Biochemistry Core	CHM 4304	Biol Chemistry I	3	Prerequisites: CHM 2211 and CHM 2211L	
Biochemistry Core	CHM 4304L	Biol Chem I Lab	1		
Biochemistry Core	PCB 3063	Genetics	3	Prerequisite: BSC 2010	
Biochemistry Core	PCB 3063L	Genetics Lab	1		
Biochemistry Core	CHM 3120	Intro Analyt Chem	3	Prerequisite: CHM 1046 and CHM 1046L	
Biochemistry Core	CHM 3120L	Intr Analyt Chm Lab	1		
General Electives			1	Can be elective course, research, or internship credit	

Spring Term 2024				Term Hours: 14	Cum GPA: 2
Course Group	Course Required	Course Description	Credit Hours	Course Notes	
Biochemistry Core	CHM 4307	Biol Chemistry II	3	Prerequisite: CHM 4304 and CHM 4304L	
Biochemistry Core	CHM 4307L	Bio Chem Lab II	1		
Biochemistry Core	MCB 3020	General Microbiology	3	Prerequisite: BSC 2010/L, BSC 2011/L, CHM 1045/L, CHM 1046/L, CHM 2210/L and CHM 2211/L	
Biochemistry Core	MCB 3020L	General Micro Lab	1		
3000-4000 Level Electives			3	Global Learning Discipline Specific Course Recommended-- See Academic Advisor	
3000-4000 Level Electives			3		

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Summer Term 2024 Use this Semester to catch up on coursework if necessary.				Term Hours: 6 Cum GPA: 2
Course Group	Course Required	Course Description	Credit Hours	Course Notes
Biochemistry Research	CHM 4910L	Under Res Chem	3	CHM 4910L or BCH 4910L--Research completed alongside faculty advisor
3000-4000 Level Electives			3	Global Learning Discipline Specific Course Recommended--See Academic Advisor

Fall Term 2024 Apply for Spring Graduation 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)				Term Hours: 14 Cum GPA: 2
Course Group	Course Required	Course Description	Credit Hours	Course Notes
Biochemistry Core	CHM 3410	Phys Chem I	4	Pre or Co-Requisite: CHM 3410L
3000-4000 Level Electives			3	Consult with Academic Advisor. If not already completed, take a Discipline Specific GL course
Biochemistry Elective			3	Students may not use CHM3410L, CHM3411L or CHM4130, CHM4130L if they were used to complete Biochemistry Core Set Requirement
3000-4000 Level Electives			3	Consult with Academic Advisor. If not already completed, take a Discipline Specific GL course
Option A	CHM 3410L	Phys Chm Lab I	1	1 of 2 courses required for Biochemistry Core Set

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Spring Term 2025 Students are required to take a nationally-normed chemistry examination in their last semester before graduation. 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).				Term Hours: 13 Cum GPA: 2
Course Group	Course Required	Course Description	Credit Hours	Course Notes
Biochemistry Core	CHM 3411	Phys Chem II	4	Prerequisites: CHM 3410 and CHM 3410L
Option A	CHM 3411L	Phys Chem Lab II	2	Prerequisite or Corequisite: CHM3411.1 of 2 courses required for Biochemistry Core Set
3000-4000 Level Electives			3	Consult with Academic Advisor. If not already completed, take a Discipline Specific GL course
Senior Seminar	CHM 4930	Senior Seminar	1	Can only be completed in final semester of the program with advisor permission
3000-4000 Level Electives			3	Consult with Academic Advisor. If not already completed, take a Discipline Specific GL course

Summer Term 2025 Use this Semester to catch up on coursework if necessary.	Cum GPA: 2
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General Requirements

Prerequisites:

FIU Course or its transferred equivalent

BSC 2010, BSC 2010L

BSC 2011, BSC 2011L

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:

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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>

The Civic Literacy requirement is a statewide mandate that applies to undergraduate students initially entering a Florida State University System (SUS) and/or Florida College System (FCS) institution in the 2018-19 academic year and thereafter. <https://transfer.fiu.edu/transfer-101/graduation-requirements/>

Foreign Language Requirement for Graduation (FLENT/FLEX): A student who did not complete two years of the same foreign language in high school or at a post-secondary institution must successfully complete 8-10 credit hours of instruction in one foreign language prior to graduation. Exceptions include appropriate CLEP, AP, IB, TOEFL, or transfer credit. Contact your advisor for more information.

Summer Hours Requirement: All students entering FIU or any university within the State University System (SUS) of Florida with fewer than 60 credit hours are required to earn at least nine credit hours prior to graduation by attending one or more summer terms at a university in the SUS.

University Core Requirement/GRW: All students entering FIU or any university within the State University System (SUS) of Florida with fewer than 60 credit hours should meet with their academic advisor to discuss possible additional university requirements.

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 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 third 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