

Undergraduate Major Map

Catalog Year 2020
College / School Arts, Sciences & Education
Major Biological Sciences - BS
Track / Concentration Forensic Biomolecular Biology
Career Path Two Year Transfer

Spring Term 2020						Term GPA: 2
						Term Hours: 13
						Cum GPA: 2
Course Group	Course Required	Course Description	Credit Hours	Critical Indicator	Course Notes	
Ecology Area Elective			3		PCB 4553: General Population Genetics (GL Designated course) strongly recommended for track	
Organismal Diversity Distribut			3		BSC 3400: Wildlife Conservation, Forensic and Crime Science (required for track)	
Biology Laboratories			1		ENY4060L strongly recommended for track. Upper Division Biology laboratories require previous or concurrent enrollment of lecture course	
3000-4000 Level Electives			3		Consult with Academic Advisor. If not already completed, take a Discipline Specific GL course	
3000-4000 Level Electives			3		Consult with Academic Advisor. If not already completed, take a Discipline Specific GL course	

Fall Term 2020						Term GPA: 2
The Major map should be used as a general guide. Please make sure to meet regularly with your academic advisor and use your Panther Degree Audit to track your requirements. Also, make sure to refer to the Major Map Endnotes for more specific information.						Term Hours: 13
						Cum GPA: 2
Course Group	Course Required	Course Description	Credit Hours	Critical Indicator	Course Notes	
Required Courses	PCB 3063	Genetics	3	C	Prerequisites: BSC2010	
Required Courses	PCB 3043	Ecology	3	C	Prerequisites: BSC 2010 and BSC2011	
Biology Laboratories			1		PCB3063L (required for track). Upper Division biology laboratories require previous or concurrent enrollment of lecture course	
3000-4000 Level Electives			3		Consult with Academic Advisor. If not already completed, take a Discipline Specific GL course	
3000-4000 Level Electives			3		Consult with Academic Advisor. If not already completed, take a Discipline Specific GL course	

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Summer Term 2021					Term GPA: 2
					Term Hours: 7
					Cum GPA: 2
Course Group	Course Required	Course Description	Credit Hours	Critical Indicator	Course Notes
Required Courses	PCB 4674	Evolution	3	C	Prerequisites: PCB3063 and PCB 3043
Biology Electives			3		Biology Elective from any of the four distribution areas. Recommendations for track: ENY 4060 Entomology (with lab) and/or PCB 4553: General Population Genetics (GL Designated course)
ADDITIONAL COURSES			1		Required Course- BSC 3905- Internship required for track: can be 0-4 credits. In this map internship is 1 credit, please consult with advisor as internship credits could change number of required 3000-4000 level electives

Fall Term 2021					Term GPA: 2
					Term Hours: 13
					Cum GPA: 2
Course Group	Course Required	Course Description	Credit Hours	Critical Indicator	Course Notes
Required Courses	PCB 4023	Cell Biology	3	C	Prerequisites: PCB3063 and CHM1046.
Physiology/Biochem Dist			3		BCH 3033: General Biochemistry (required for track). Prerequisites: CHM2211 and BSC2010
Biology Laboratories			1		BCH3033L (required for track). Upper Division Biology laboratories require previous or concurrent enrollment of lecture course
3000-4000 Level Electives			3		Consult with Academic Advisor. If not already completed, take a Discipline Specific GL course
3000-4000 Level Electives			3		Consult with Academic Advisor. If not already completed, take a Discipline Specific GL course

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Spring Term 2022					Term GPA: 2
					Term Hours: 14
					Cum GPA: 2
Course Group	Course Required	Course Description	Credit Hours	Critical Indicator	Course Notes
Biology Electives			3		Biology Elective from any of the four distribution areas. Recommendations for track: ENY 4060 Entomology (with lab) and PCB 4553: General Population Genetics (GL Designated course)
Biology Laboratories			1		BSC4401L (required for track). Upper Division Biology laboratories require previous or concurrent enrollment of lecture course
Required Courses	BSC 4931	Senior Seminar	1	C	Prerequisites and/or Co-requisites: PCB3063, PCB3043, PCB4674 and PCB4023
Structure/Development Dis			3		BSC 4401: Principles of Forensic Biology (required for track)
3000-4000 Level Electives			3		Consult with Academic Advisor. If not already completed, take a Discipline Specific GL course
3000-4000 Level Electives			3		Consult with Academic Advisor. If not already completed, take a Discipline Specific GL course

Summer Term 2022					Term GPA: 2
Use this Semester to complete major requirements if necessary.					Cum GPA: 2

General Requirements

Prerequisite Courses:

BSC 2010 + BSC 2010L

BSC 2011 + BSC 2011L

CHM 1045 + CHM 1045L

CHM 1046 + CHM 1046L

CHM 2210 + CHM 2210L

CHM 2211 + CHM 2211L

PHY 2048 (or PHY2053) + PHY 2048L

PHY 2049 (or PHY 2054) + PHY 2049L

MAC 2311

MAC 2312 OR STA3111 + STA3112 (or STA 2122 + STA 3123)

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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.

Map sequence is subject to change based on course offerings and availability

Required Internship: BSC 3905 can be 0-4 credits. Please consult with an academic advisor as the number of credits for the internship can change the number of elective credits needed for graduation.

Statistics is a recommended course for this major. Please consult with academic advisor about statistics recommendation

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>

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.

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/>

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.

Upper Division Credit Requirement: The College of Arts, Sciences & Education requires completion of 45 credits upper division (3000 and 4000 level). Besides the upper division credits for the major, students will need to take some upper division electives. We recommend checking your degree audit and coordinating with your assigned advisor.

Grades: Students must earn a grade of 'C' or higher in all courses required for the major. A grade of 'C-' or lower

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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. Complete 5 Core Biology courses
2. Complete Area A: Ecology course
3. Complete Area B: Organismal Diversity course
4. Complete Area C: Physiology/Biochemistry course
5. Complete Area D: Structure/Development course
6. Complete 4 Biology upper division labs
7. Complete 2 Additional Upper Division Biology lecture courses from any of the four distribution areas
8. Completed all required core courses within the Forensic Biomolecular Biology track. Consult with Academic Advisor