

Cell and Molecular Biology

This page is subject to change as courses are added, cancelled, or adjusted.

Courses with the statement 'Will Require a PERMIT' next to them will require you to [submit a permit](#) in order to register for the course.

Please keep in mind, other courses may still require a permit if there is an error in the system out of our control.

Spring 2025 Classes

Molecular Option:

Code	Title	Pre-Reqs	Campus	Notes
PCB 4026	Molecular Biology of the Gene	PCB 3023, PCB 3063, MCB 3410	Tampa	Restricted to Senior CAM/CBO majors until Dec. 3 rd
PCB 4109	Cancer Biology	PCB 3023, PCB 3063, MCB 3410	Tampa	Restricted to Senior CAM/CBO majors until Dec. 3 rd

Approved Major Electives:

Code	Title	Pre-Reqs	Campus	Notes
BCH 3053	General Biochemistry	BSC 2010, BSC 2010L, CHM 2210	Tampa, St. Pete, & Sarasota-Manatee	**Only 1 Biochemistry course can count as an elective
BOT 3850	Medical Botany	BSC 2010, BSC 2011, CHM 2210	Tampa	
BSC 4905	Independent Study	Consent of Instructor If interested in this type of credit, talk with BioAdvise about the process	Tampa	Will require Consent of Instructor PERMIT
BSC 4444	Genomics	PCB 3063	St. Pete	
BSC 4452	Computational Biology	CHM 2046, MAC 2312 or MAC 2242, STA 2023, PHY 2049 or PHY 2054 (knowledge of computer programming is recommended for success)	Tampa	
BSC 4910	Undergraduate Research	Consent of Instructor If interested in this type of credit, review our Undergraduate Research website	Tampa	Will require Consent of Instructor PERMIT
BSC 4933	Learning Assistant-Cancer Biology	PCB 4109	Tampa	Will require Consent of Instructor PERMIT
BSC 4933	Learning Assistant-Genetics	PCB 3063L	Tampa	Will require Consent of Instructor PERMIT
BSC 4933	Learning Assistant-Mechanisms of Aging	BSC 4933: Mechanisms of Aging & Consent of Instructor	Tampa	Will require Consent of Instructor PERMIT

Code	Title	Pre-Reqs	Campus	Notes
BSC 4933	Learning Assistant-Molecular Biology	PCB 3023L/PCB 3063L Super-Lab	Tampa	Will require Consent of Instructor PERMIT
BSC 4933	Mechanisms of Aging	PCB 3023, PCB 3063	Tampa	Will Require a PERMIT
BSC 4933	Medical Bacteriology	MCB 3020, MCB 3020L	Tampa	Will Require a PERMIT If you have taken MCB 4115 previously, this course cannot be used toward your major.
BSC 4933	Medical Bacteriology Lab	Pre-Req/Co-Req: BSC 4933: Medical Bacteriology Lecture	Tampa	Will Require a PERMIT If you have taken MCB 4115L previously, this course cannot be used toward your major.
BSC 4935	Seminar – Cell and Molecular Bio	PCB 3023, PCB 3063, MCB 3410, Senior CAM Major	Tampa	
BSC 4940	Biology Internship	Please visit the Biology Internship Webpage for pre-reqs and instructions.	Tampa & St. Pete	Requires approval of Application
MCB 3020	General Microbiology	BSC 2010, BSC 2010L, BSC 2011, BSC 2011L, CHM 2046	Tampa, St. Pete, & Sarasota-Manatee	May require a PERMIT if registering without the lab or if you haven't completed CHM 2210
MCB 3020L	General Microbiology Lab	Pre-Req/Co-Req: MCB 3020	Tampa, St. Pete, & Sarasota-Manatee	
MCB 4201	Bacterial Stress Responses	MCB 3020, MCB 3020L	Tampa	If you have taken the BSC 4933 version previously, this course cannot be used toward your major.
MCB 4276	Disease Biology	PCB 3063, PCB 3043	Tampa	
MCB 4320	Molecular Microbiology	MCB 3020, MCB 3020L, PCB 3023, PCB 3063	Tampa	May Require a PERMIT
MCB 4810	Medical Mycology	MCB 3020, MCB 3020L	Tampa	If you have taken the BSC 4933 version previously, this course cannot be used toward your major.
PCB 3043	Ecology	BSC 2010, BSC 2010L, BSC 2011, BSC 2011L, CHM 2046	Tampa, St. Pete, & Sarasota-Manatee	
PCB 3043L	Ecology Lab	Pre-Req/Co-Req: PCB 3043	Tampa, St. Pete, & Sarasota-Manatee	
PCB 3712	General Physiology	BSC 2010, BSC 2010L, BSC 2011, BSC 2011L, CHM 2046	Tampa & St. Pete	
PCB 3713L	General Physiology Lab	Pre-Req/Co-Req: PCB 3712	Tampa & St. Pete	

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PCB 4234	Principles of Immunology	PCB 3023 (a B or better in MCB 3020 & PCB 3023 are recommended for success)	Tampa & St. Pete	
PCB 4663	Human Genetics	PCB 3063, PCB 3023	Tampa	
PCB 4744	Biomedical Physiology	PCB 3023	Tampa & Sarasota-Manatee	
ZOO 4694	Developmental Biology	PCB 3023, PCB 3063	Tampa	