

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.

Summer 2025 Classes

Approved Major Electives:

Code	Title	Pre-Reqs	Campus	Notes
BCH 3053	General Biochemistry	BSC 2010, BSC 2010L, CHM 2210	Tampa	**Only 1 Biochemistry course can count as an elective
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 Asst. - Genetics	PCB 3063L and Consent of Instructor	Tampa	Will require Consent of Instructor PERMIT
BSC 4940	Biology Internship	Please visit the Biology Internship Webpage for pre-reqs and instructions.	Tampa	Requires approval of Application
MCB 3020	General Microbiology	BSC 2010, BSC 2010L, BSC 2011, BSC 2011L, CHM 2046	Tampa & St. Pete	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	
PCB 3043	Ecology	BSC 2010, BSC 2010L, BSC 2011, BSC 2011L, CHM 2046	Tampa	
PCB 3043L	Ecology	Pre-Req/Co-Req: PCB 3043L	Tampa	
PCB 3712	General Physiology	BSC 2010, BSC 2010L, BSC 2011, BSC 2011L, CHM 2046	Tampa & Sarasota-Manatee	
PCB 3713L	General Physiology Lab	Pre-Req/Co-Req: PCB 3712	Tampa	

Fall 2025 Classes

Molecular Option:

Cell and Molecular Biology Majors **MUST** complete at least one of the below molecular courses, however, if you choose to take both, one will count as a major elective:

Code	Title	Pre-Reqs	Campus	Notes
PCB 4026	Molecular Biology of the Gene	PCB 3023, PCB 3063, MCB 3410	Tampa	Restricted to graduating Senior CBO majors until April 21 st
PCB 4109	Cancer Biology	PCB 3023, PCB 3063, MCB 3410	Tampa	Restricted to graduating Senior CBO majors until April 21 st

Approved Major Electives:

Code	Title	Pre-Reqs	Campus	Notes
BCH 3053	General Biochemistry	BSC 2010, BSC 2010L, CHM 2210	Tampa & St. Pete	**Only 1 Biochemistry course can count as an elective
BCH 4033	Advanced Biochemistry 1	BSC 2010, BSC 2010L, CHM 2211	Tampa	**Only 1 Biochemistry course can count as an elective
BOT 3850	Medical Botany	BSC 2010, BSC 2011, CHM 2210	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	Antimicrobial Resistance Lab	MCB 3020, MCB 3020L and Consent of Instructor	Tampa	Will require Consent of Instructor PERMIT
BSC 4933	Genetic Engineering & DNA Technology	PCB 3023, PCB 3063 Highly recommend PCB 3023L & PCB 3063L labs as well	Tampa	Will Require a PERMIT
BSC 4933	Biomedical Drug Development	PCB 3023, PCB 3063	Tampa	Will Require a PERMIT If you have completed GPCR Drug Discovery this course can't be used for your major.
BSC 4933	Learning Asst. – Cancer Biology	PCB 4109 and Consent of Instructor	Tampa	Will require Consent of Instructor PERMIT
BSC 4933	Learning Asst. - Cellular Proc	BSC 2010L and Consent of Instructor	Tampa	Will require Consent of Instructor PERMIT
BSC 4933	Learning Asst. - Mechanisms of Aging	BSC 4933: Mechanisms of Aging and Consent of Instructor	Tampa	Will require Consent of Instructor PERMIT
BSC 4933	Mechanisms of Aging	PCB 3023, PCB 3063	Tampa	Will Require a PERMIT

Code	Title	Pre-Reqs	Campus	Notes
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	Co/pre-req: BSC 4933: Medical Bacteriology	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, and Senior CBO Major	Tampa	Will Require a PERMIT
BSC 4940	Biology Internship	Please visit the Biology Internship Webpage for pre-reqs and instructions.	Tampa	Requires approval of Application
MCB 3020	General Microbiology	BSC 2010, BSC 2010L, BSC 2011, BSC 2011L, CHM 2046	Tampa & St. Pete	May require a PERMIT if you haven't completed CHM 2210
MCB 3020L	General Microbiology Lab	Pre-Req/Co-Req: MCB 3020	Tampa & St. Pete	
MCB 4203	Public Health & Pathogenic Microbiology	MCB 3020, MCB 3020L	Tampa	If you have previously completed the BSC 4933 version of this course, MCB 4203 cannot be used toward your major.
MCB 4320	Molecular Microbiology	MCB 3020, MCB 3020L, PCB 3023, PCB 3063	Tampa	May Require a PERMIT
MCB 4404	Microbial Physiology & Genetics	MCB 3020, CHM 2210	Tampa	
MCB 4404L	Microbial Physiology & Genetics Lab	Pre-Req/Co-Req: MCB 4404	Tampa	
MCB 4503	Virology	MCB 3020, MCB 3020L	Tampa	
PCB 3043	Ecology	BSC 2010, BSC 2010L, BSC 2011, BSC 2011L, CHM 2046	Tampa & St. Pete	
PCB 3043L	Ecology Lab	Pre-Req/Co-Req: PCB 3043	Tampa & St. Pete	
PCB 3712	General Physiology	BSC 2010, BSC 2010L, BSC 2011, BSC 2011L, CHM 2046	Tampa	
PCB 3713L	General Physiology Lab	Pre-Req/Co-Req: PCB 3712	Tampa	
PCB 4234	Principles of Immunology	PCB 3023	Tampa	
PCB 4522C	Experimental Genetics & Cell Bio	PCB 3023, PCB 3063, PCB 3023L, PCB 3063L and Consent of Instructor	Tampa	
ZOO 4753	Human Histology & Molecular Pathology of Disease	PCB 3023, PCB 3063, CHM 2210	Tampa	May Require a PERMIT