

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 2024 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 4109 | Cancer Biology | PCB 3023, PCB 3063, MCB 3410 | Tampa | Restricted to graduating Senior CBO majors until April 12 th |

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. - Cellular Proc | BSC 2010L and Consent of Instructor | 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 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 | |

Fall 2024 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 12 th |
| PCB 4109 | Cancer Biology | PCB 3023, PCB 3063, MCB 3410 | Tampa | Restricted to graduating Senior CBO majors until April 12 th |

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 |
| 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 | Advanced Immunology | PCB 4234 | Tampa | Will Require a 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 | GPCR Drug Discovery | PCB 3023, PCB 3063 | Tampa | Will Require a PERMIT |
| 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. - Genetics | PCB 3063L and Consent of Instructor | Tampa | Will require Consent of Instructor PERMIT |
| BSC 4933 | Learning Asst. - Molecular Bio | PCB 3023L/PCB 3063L Super-Lab and Consent of Instructor | Tampa | Will require Consent of Instructor 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 CAM 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 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 | |
| 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 & Sarasota-Manatee | |
| 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 & St. Pete | |
| PCB 3713L | General Physiology Lab | Pre-Req/Co-Req: PCB 3712 | Tampa & St. Pete | |
| ZOO 4753 | Human Histology & Molecular Pathology of Disease | PCB 3023, PCB 3063, CHM 2210 | Tampa | May Require a PERMIT |