

## Biology: no concentration

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 2023 Classes

#### **Biology Structure/Function Req. List:**

Biology Majors with no concentration MUST complete at least one course from the list below to meet graduation requirements. However, if you choose to take additional courses they will count as major electives:

| Code      | Title                          | Pre-Reqs   | Campus           | Notes |
|-----------|--------------------------------|--|------------------|-------|
| BSC 2093C | Human Anatomy and Physiology 1 | BSC 2010, BSC 2010L, BSC 2011, BSC 2011L, CHM 2045 | Tampa            |       |
| PCB 3023  | Cell Biology                   | BSC 2010, BSC 2010L, CHM 2046                      | Tampa & St. Pete |       |
| PCB 3023L | Cell Biology Lab               | Pre-Req/Co-Req: PCB 3023                           | 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            |       |

#### **Biology Biodiversity/Ecology Req. List:**

Biology Majors with no concentration MUST complete at least one course from the list below to meet graduation requirements. However, if you choose to take additional courses they will count as major electives:

| Code      | Title                    | Pre-Reqs   | Campus           | Notes  |
|-----------|--------------------------|--|------------------|--|
| BSC 3312  | Marine Biology           | BSC 2010, BSC 2010L, BSC 2011, BSC 2011L, CHM 2046 | St. Pete         |  |
| 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 |  |

#### **Additional Biology Electives:**

Biology Majors with no concentration MUST also complete at least 9 credit hours of upper-level biology elective coursework to meet graduation requirements.

| 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 |

| Code     | Title                          | Pre-Reqs   | Campus   | Notes  |
|----------|--------------------------------|--|----------|--|
| BOT 4851 | Plants and Human Health        | BSC 2010 or BSC 2011   | St. Pete |  |
| BSC 4910 | Undergraduate Research         | Consent of Instructor<br><br>If interested in this type of credit, review our <a href="#">Undergraduate Research website</a> | 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 <a href="#">Biology Internship Webpage</a> for pre-reqs and instructions.                                   | Tampa    | Requires approval of Application   |
| MCB 3410 | Cell Metabolism                | BSC 2010, BSC 2010L, CHM 2046  | Tampa    |  |
| OCB 3108 | Marine Field Studies           | BSC 2010, BSC 2011, CHM 2046   | St. Pete |  |
| PCB 4024 | Molecular Biology of the Cell  | PCB 3023, PCB 3063, MCB 3410   | Tampa    | Restricted to graduating Senior CAM /CBO majors until April 14 <sup>th</sup> |
| PCB 4402 | Disease Ecology                | BSC 2010, BSC 2011   | St. Pete |  |

## Fall 2023 Classes

### Biology Structure/Function Req. List:

Biology Majors with no concentration MUST complete at least one course from the list below to meet graduation requirements. However, if you choose to take additional courses they will count as major electives:

| Code      | Title                          | Pre-Reqs   | Campus           | Notes |
|-----------|--------------------------------|--|------------------|-------|
| BSC 2093C | Human Anatomy and Physiology 1 | BSC 2010, BSC 2010L, BSC 2011, BSC 2011L, CHM 2045 | Tampa & St. Pete |       |
| BSC 2094C | Human Anatomy and Physiology 2 | BSC 2093C  | Tampa            |       |
| PCB 3023  | Cell Biology                   | BSC 2010, BSC 2010L, CHM 2046                      | Tampa & St. Pete |       |
| PCB 3023L | Cell Biology Lab               | Pre-Req/Co-Req: PCB 3023                           | 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            |       |

## Biology Biodiversity/Ecology Req. List:

Biology Majors with no concentration MUST complete at least one course from the list below to meet graduation requirements. However, if you choose to take additional courses they will count as major electives:

| Code      | Title                         | Pre-Reqs  | Campus           | Notes  |
|-----------|-------------------------------|---|------------------|--|
| BSC 3312  | Marine Biology                | BSC 2010, BSC 2010L, BSC 2011, BSC 2011L, CHM 2046  | Tampa & St. Pete |  |
| 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 4503  | Virology                      | MCB 3020, MCB 3020L   | Tampa            |  |
| ZOO 3205C | Advanced Invertebrate Zoology | BSC 2011, BSC 2011L, CHM 2046<br>(PCB 3043 or PCB 3063 or PCB 3712 are recommended for success) | Tampa & St. Pete |  |
| ZOO 4233  | Parasitology                  | BSC 2011, BSC 2011L, CHM 2210   | Tampa            |  |
| ZOO 4307  | Vertebrate Zoology            | BSC 2011, BSC 2011L<br>(PCB 3043 or PCB 3063 or PCB 3712 are recommended for success)           | Tampa            |  |
| ZOO 4307L | Vertebrate Zoology Lab        | Pre-Req/Co-Req: ZOO 4307  | Tampa            |  |
| ZOO 4454  | Fish Biology                  | BSC 2011, BSC 2011L   | Tampa            |  |
| ZOO 4454L | Fish Biology Lab              | Pre-Req/Co-Req: ZOO 4454  | Tampa            |  |

## Additional Biology Electives:

Biology Majors with no concentration MUST also complete at least 9 credit hours of upper-level biology elective coursework to meet graduation requirements.

| Code     | Title                   | Pre-Reqs                      | Campus           | Notes   |
|----------|-------------------------|-------------------------------|------------------|---|
| ANS 3006 | Animal Science          | BSC 2011                      | Tampa            |   |
| 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 I | 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            |   |

| Code      | Title                                     | Pre-Reqs   | Campus           | Notes  |
|-----------|---|--|------------------|--|
| BOT 4404C | Phycology                                 | BSC 2010 or BSC 2011 or BOT 3015C  | St. Pete         |  |
| BSC 2932  | Biology Skills                            | Freshman Bio students in first year OR Transfer Bio students in first semester   | Tampa            | Will Require a PERMIT  |
| BSC 4313C | Advanced Marine Biology                   | BSC 3312   | Tampa            | May Require a PERMIT   |
| BSC 4444  | Genomics                                  | PCB 3063   | Tampa            |  |
| BSC 4851  | Hollywood Biology                         | BSC 2010, BSC 2011, Senior Standing  | Tampa            |  |
| BSC 4910  | Undergraduate Research                    | Consent of Instructor<br><br>If interested in this type of credit, review our <a href="#">Undergraduate Research website</a> | Tampa & St. Pete | Will require Consent of Instructor PERMIT  |
| BSC 4933  | Coastal Plants                            | BSC 2011   | Tampa            | Will Require a PERMIT  |
| BSC 4933  | Comparative Immunology                    | BSC 2011   | Tampa            | Will Require a PERMIT  |
| BSC 4933  | Knowing Life                              | BSC 2011   | Tampa            | Will Require a PERMIT  |
| BSC 4933  | Lectures in Contemporary Biology          | Senior IB Major  | Tampa            | Will Require a PERMIT  |
| BSC 4933  | Limnology                                 | BSC 2011, BSC 2011L, CHM 2045  | St. Pete         | Will Require a 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  |
| BSC 4933  | Medical Bacteriology                      | MCB 3020, MCB 3020L  | Tampa            | Will Require a PERMIT<br><br>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<br><br>If you have taken MCB 4115L previously, this course cannot be used toward your major. |
| BSC 4933  | Ornithology                               | BSC 2011   | Tampa            | Will Require a PERMIT  |
| BSC 4933  | Public Health and Pathogenic Microbiology | MCB 3020, MCB 3020L  | Tampa            | Will Require a PERMIT  |

| Code     | Title  | Pre-Reqs   | Campus           | Notes  |
|----------|--|--|------------------|--|
| BSC 4933 | Sociobiology                                     | N/A  | St. Pete         | Will Require a PERMIT  |
| BSC 4933 | Urban Ecology                                    | PCB 3043   | Tampa            | Will Require a PERMIT  |
| BSC 4940 | Biology Internship                               | Please visit the <a href="#">Biology Internship Webpage</a> for pre-reqs and instructions. | Tampa & St. Pete | Requires approval of Application   |
| MCB 3410 | Cell Metabolism                                  | BSC 2010, BSC 2010L, CHM 2046  | Tampa            |  |
| MCB 4320 | Molecular Microbiology                           | MCB 3020, MCB 3020L, PCB 3023, PCB 3063  | Tampa            | May Require a PERMIT   |
| PCB 4024 | Molecular Biology of the Cell                    | PCB 3023, PCB 3063, MCB 3410   | Tampa            | Restricted to graduating Senior CAM /CBO majors until April 14 <sup>th</sup> |
| PCB 4026 | Molecular Biology of the Gene                    | PCB 3023, PCB 3063, MCB 3410   | Tampa            | Restricted to graduating Senior CAM /CBO majors until April 14 <sup>th</sup> |
| PCB 4109 | Cancer Biology                                   | PCB 3023, PCB 3063, MCB 3410   | Tampa            | Restricted to graduating Senior CAM /CBO majors until April 14 <sup>th</sup> |
| PHZ 4702 | App. of Physics to Biology & Med 1               | PHY 2054 or PHY 2049, PHY 2054L or PHY 2049L   | Tampa & St. Pete |  |
| ZOO 4753 | Human Histology & Molecular Pathology of Disease | PCB 3023, PCB 3063, CHM 2210   | Tampa            | May Require a PERMIT   |