

Biology: Ecology and Evolution 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

Evolution/Biodiversity Req. List:

Biology Majors with an Ecology & Evolution concentration MUST complete at least one lecture and lab combination to meet graduation requirements. However, if you choose to take additional courses they will count as major electives:

| Code | Title | Pre-Reqs | Campus | Notes |
|-----------|--------------------------|--|------------------|--|
| 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 | |

Ecology/Evolution Restricted Electives:

Biology Majors with an Ecology & Evolution concentration MUST complete a minimum of 6 credit hours from the below list to meet graduation requirements.

| Code | Title | Pre-Reqs | Campus | Notes |
|----------|----------------------|--|----------|-------|
| BSC 3312 | Marine Biology | BSC 2010, BSC 2010L, BSC 2011, BSC 2011L, CHM 2046 | St. Pete | |
| OCB 3108 | Marine Field Studies | BSC 2010, BSC 2011, CHM 2046 | St. Pete | |
| PCB 4402 | Disease Ecology | BSC 2010, BSC 2011 | St. Pete | |

Additional Biology Electives:

Biology Majors with an Ecology & Evolution concentration MUST also complete 3 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 |
| BOT 4851 | Plants and Human Health | BSC 2010 or BSC 2011 | St. Pete | |
| 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 |

| Code | Title | Pre-Reqs | Campus | Notes |
|-----------|--------------------------------|--|------------------|--|
| 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 3410 | Cell Metabolism | BSC 2010, BSC 2010L, CHM 2046 | 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 | |
| PCB 4024 | Molecular Biology of the Cell | PCB 3023, PCB 3063, MCB 3410 | Tampa | Restricted to graduating Senior CAM /CBO majors until April 14 th |

Fall 2023 Classes

Evolution/Biodiversity Req. List:

Biology Majors with an Ecology & Evolution concentration **MUST** complete at least one lecture and lab combination to meet graduation requirements. However, if you choose to take additional courses they will count as major electives:

| Code | Title | Pre-Reqs | Campus | Notes |
|-----------|-------------------------------|---|------------------|--|
| 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 | |
| ZOO 3205C | Advanced Invertebrate Zoology | BSC 2011, BSC 2011L, CHM 2046 (PCB 3043 or PCB 3063 or PCB 3712 are recommended for success) | Tampa & St. Pete | |
| ZOO 4307 | Vertebrate Zoology | BSC 2011, BSC 2011L (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 | |

Ecology Req. List:

Biology Majors with an Ecology & Evolution concentration **MUST** complete at least one course from the below list 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 4933 | Urban Ecology | PCB 3043 | Tampa | Will Require a PERMIT |

Ecology/Evolution Restricted Electives:

Biology Majors with an Ecology & Evolution concentration **MUST** complete a minimum of 6 credit hours from the below list to meet graduation requirements.

| Code | Title | Pre-Reqs | Campus | Notes |
|-----------|------------------|--|------------------|-----------------------|
| BOT 4404C | Phycology | BSC 2010 or BSC 2011 or BOT 3015C | St. Pete | |
| BSC 3312 | Marine Biology | BSC 2010, BSC 2010L, BSC 2011, BSC 2011L, CHM 2046 | Tampa & St. Pete | |
| BSC 4444 | Genomics | PCB 3063 | Tampa | |
| BSC 4933 | Coastal Plants | BSC 2011 | Tampa | Will Require a PERMIT |
| BSC 4933 | Knowing Life | BSC 2011 | Tampa | Will Require a PERMIT |
| BSC 4933 | Limnology | BSC 2011, BSC 2011L, CHM 2045 | St. Pete | Will Require a PERMIT |
| BSC 4933 | Ornithology | BSC 2011 | Tampa | Will Require a PERMIT |
| BSC 4933 | Sociobiology | N/A | St. Pete | Will Require a PERMIT |
| MCB 4503 | Virology | MCB 3020, MCB 3020L | Tampa | |
| ZOO 4233 | Parasitology | BSC 2011, BSC 2011L, CHM 2210 | 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 an Ecology & Evolution concentration MUST also complete 3 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 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 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 4851 | Hollywood Biology | BSC 2010, BSC 2011, Senior Standing | Tampa | |
| BSC 4910 | Undergraduate Research | Consent of Instructor If interested in this type of credit, review our Undergraduate Research website | Tampa & St. Pete | Will require Consent of Instructor PERMIT |
| BSC 4933 | Comparative Immunology | BSC 2011 | Tampa | Will Require a PERMIT |
| BSC 4933 | Lectures in Contemporary Biology | Senior IB Major | Tampa | 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 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 4933 | Public Health and Pathogenic Microbiology | MCB 3020, MCB 3020L | Tampa | Will Require a PERMIT |

| Code | Title | Pre-Reqs | Campus | Notes |
|-----------|--|--|------------------|--|
| BSC 4940 | Biology Internship | Please visit the Biology Internship Webpage 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 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 | |
| PCB 4024 | Molecular Biology of the Cell | PCB 3023, PCB 3063, MCB 3410 | Tampa | Restricted to graduating Senior CAM /CBO majors until April 14 th |
| PCB 4026 | Molecular Biology of the Gene | PCB 3023, PCB 3063, MCB 3410 | Tampa | Restricted to graduating Senior CAM /CBO majors until April 14 th |
| PCB 4109 | Cancer Biology | PCB 3023, PCB 3063, MCB 3410 | Tampa | Restricted to graduating Senior CAM /CBO majors until April 14 th |
| 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 |