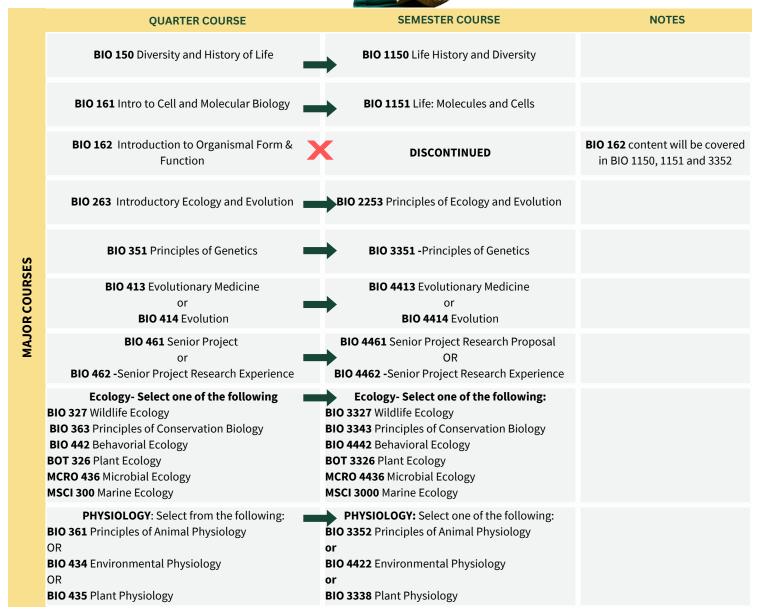
Major Courses

2022 - 2026 Catalog Requirements To be used only for students completing quarter requirements in the 2026-27 year.

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Note: For all discontinued courses, the last time these will be offered is during the 2025-2026 academic year





Major Support Courses

2022 - 2026 Catalog Requirements

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Do you need to fulfill a quarter course?
Check the semester equivalency!

| | QUARTER REQUIREMENT | SEMESTER COURSE | NOTES |
|-----------------|---|---|---|
| | CHEM 127 Gen CHEM for Ag & Life Science I | CHEM 1120 Fundamentals of Chemical Structure & Properties | |
| | CHEM 128 Gen CHEM for Ag & Life Science II | CHEM 1122 Fundamentals of Chemical Reactivity | |
| | CHEM 129 Gen CHEM for Ag & Life Science III | DISCONTINUED | Term last offered: Summer 2026 |
| SES | CHEM 216 Organic Chemistry I OR CHEM 312 Organic Chem: Fund. & Applications | CHEM 2242 Organic Chemistry I OR CHEM 2240 Organic Chem: Fund. & Applications | |
| SUPPORT COURSES | MATH 161 Calculus for the Life Sciences I | MATH 1264 Calculus for Data Science I | |
| SUPPO | MATH 162 Calculus for the Life Sciences II | MATH 1265 Calculus for Data Science II | |
| | PHYS 121 College Physics I | PHYS 1121 College Physics I | |
| | PHYS 122 College Physics II | DISCONTINUED | Students may need to take bridge class - see an advisor |
| | PHYS 123 College Physics III | PHYS 1123 College Physics II | |
| | STAT 218 Applied Statistics for the Life Sciences | STAT 1110 Applied Statistical Concepts & Methods | |



Biological SciencesGeneral Curriculum Concentration

2022 - 2026 Catalog Requirements

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Do you need to fulfill a quarter course? Check the semester equivalency!

| | QUARTER REQUIREMENT | SEMESTER COURSE | NOTES |
|---------|--|---|-------|
| | BIODIVERSITY COURSES Select from the following: BIO 321 BIO 322 BIO 323 BIO 324 BIO 329 BIO 335 BIO 336 BIO 429 BOT 313 MCRO 224 MCRO 402 MSCI 324 | BIODIVERSITY COURSES Select from the following: BIO 3321 BIO 3322 BIO 3323 BIO 3324 DISCONTINUED BIO 3325 BIO 3326 BIO 4429 BOT 3313 MCRO 2224 MCRO 4402 MSCI 3324 | |
| TRATION | 400 Level Electives: Select from any 400 level BIO/BOT/MCRO/MSCI course, except BIO 400, 450, 461, 462, 463 | 400 Level Electives: Select from any 4000 level BIO/BOT/MCRO/MSCI course except BIO 4000, BIO 4450, BIO 4461, BIO 4462, BIO 4466 | |
| GE | 300-400 level Electives Select from any 300-400 level BIO/BOT/MCRO/MSCI course, except BIO 300, 330, 400, 450, 461, 462, 463, and courses "not open for major credit in Biological Sciences." | 300-400 level Electives Select from any 300-400 level BIO/BOT/MCRO/MSCI course, except BIO 3000, 4000, 4450, 4461, 4462, 4463, and courses "not open for major credit in Biological Sciences." | |
| | Approved Electives: Any BIO/BOT/MCRO/MSCI course except those "not open for major credit in Biological Sciences. Select from the following: | Approved Electives: Any BIO/BOT/MCRO/MSCI course except those "not open for major credit in Biological Sciences. Select from the following: | |
| | AG/EDES/ENGR/ISLA/SCM/UNIV 350 ANT 401 ASCI 239 ASCI 351 ASCI 403 ASCI 405 OR BIO 407 ASCI 406 ASCI 438 | AG/EDES/ENGR/ISLA/SCM/UNIV 3350 ANT 4401 ASCI 2239 ASCI 3351 ASCI 4403 ASCI 4405/BIO 4434 ASCI 4406 ASCI 4438 | |
| | CHEM 217 CHEM 218 CHEM 220 CHEM 223 CHEM 314 OR CHEM 369 CHEM 331 CHEM 341 CHEM 372 CHEM 377 CHEM 418 CHEM 428 | CHEM 2244 DISCONTINUED DISCONTINUED DISCONTINUED CHEM 3350 OR CHEM 3352 CHEM 3372 CHEM 3354 CHEM 4457 CHEM 4458 CHEM 4450 | |





Biological Sciences General Curriculum Concentration

2022 - 2026 Catalog Requirements

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Do you need to fulfill a quarter course? Check the semester equivalency!

| | QUARTER COURSE | SEMESTER COURSE | NOTES |
|----------------------------------|---|---|---|
| | COMS 418 CSC 101 DATA 301 ENGR 322/SCM 302 ERSC/GEOG 250 ES/WGQS 350 | COMS 4418 CSC 1001 DATA 3301 ENGR/SCM 3302 GEOG 2250 ES/WGQS 3330 | |
| NO | FSN 310 GEOG 441 KINE 406 KINE 445 KINE 446 LA/NR 218 OR GEOG 218 | NUTR 3310 GEOG 4441 KINE 4406 KINE 4445 DISCONTINUED LA/NR 2218 GEOG 2218 | |
| GENERAL CURRICULUM CONCENTRATION | NR 141 NR 142 NR 404 NR 416 NR 418 NR 425 | NR 1141 NR 1142 NR 4404 NR 4416 NR 4418 DISCONTINUED | |
| AL CURRICU | PHIL 323 PHIL 339 PHIL 341 | PHIL 3323 PHIL 3339 PHIL 3341 | |
| GENER | PSC 201 PSY 320 PSY 340 | PSC 2201 PSY 3320 PSY 2240 | |
| | SS 120 SS 321 SS 322 SS 422 | SS 1120 SS 3321 DISCONTINUED SS 4422 | |
| | STAT 313 STAT 324 STAT 334 STAT 330 STAT 416 STAT 419 STAT 421 | DISCONTINUED STAT 3430 STAT 3530 STAT 3800 STAT 4760 STAT 4790 DISCONTINUED | Suggested course to take for STAT 313 is STAT 3520 |





Biological Sciences Anatomy & Physiology Concentration

2022 - 2026 Catalog Requirements

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Do you need to fulfill a quarter course? Check the semester equivalency!

| | QUARTER COURSE | | | | | SEMEST | ER COURSE | | NOTES |
|-----------------|--|--|---|------|--|----------------------------|---|--|--|
| | | | Cell Biology | | → | BIO 4452 Cell Biology | | | |
| | CHEM 369 Biochemical Principles OR | | | | | CHEM 3352 Biochemistry OR | | | |
| | CHEM 314 Biochemistry Fund & Apps | | | CHEN | / 3350 Biocl | nemistry Fund | & Apps | | |
| | BIO 321 BIO 322 BIO 323 | | the following: BIO 336 BIO 415 BOT 313 | | BIO 3321 DISCNT BIO 3323 | Select fron | SITY COURSE in the following BIO 3326 BIO 4429 BOT 3313 | | |
| N | | Select from t | Physiology Co the Following: 0 408 BIO BIO 410 | | | Select fron | | | Consult with a faculty advisor to discuss the optimal combination of quarter and semester courses. |
| /SIOLOGY CONCEI | BIO 321 BIO 322 BIO 323 BIO 324 BIO 329 BIO 335 BIO 336 BIO 405 | 322 323 324 329 335 336 | | | BIO 3321 BIO 3322 BIO 3323 BIO 3324 DISCONTIN BIO 3325 BIO 3326 BIO 4455 | Select from | ent Electives n the following | | |
| , | BIO 406 BIO 407 or AS BIO 408 BIO 409 BIO 410 BIO 411 BIO 415 | SCI 405 | | | BIO 4433 BIO 4434 BIO 4431 BIO 4432 BIO 4436 BIO 3333 BIO 4449 | | | | |
| | BIO 426 BIO 428 BIO 429 BIO 434 BIO 470 BIO/CHEM 47 MCRO 224 MCRO 320 MCRO 342 MCRO 402 MCRO 423 | 5 | | | BIO 4456 BIO 4458 BIO 4429 BIO 4422 BIO 3338 BIO 4470 BIO 4457 MCRO 2222 MCRO 3320 MCRO 3440 MCRO 4402 | 7 0 2 2 2 3 | | | |
| | MCRO 424 | | | | MCRO 4424 | AT DO | | | |





Biological SciencesEcology, Evolution, Biodiversity & Conservation Concentration

2022 - 2026 Catalog Requirements

Do you need to fulfill a quarter course? Check the semester equivalency!

| | | QUA | RTER COURSE | | | SEMEST | ER COURSE | | NOTES | |
|--|--|---|--|--------|---|---|--|---------|-------|--|
| RVATION CONCENTRATION | BIO 3 | of Conservation | BIO 3343 Principles of Conservation Biology | | | | | | | |
| | LA/NR 21 | | graphic Info Sy OR polications in G | | | | Geographic Info OR pplications in G | | | |
| | BIO 321 BIO 322 BIO 323 BIO 324 BIO 335 BIO 336 BOT 313 BOT 433 MCRO 224 MSCI 437 | 322 323 324 335 336 313 433 | | | | BIODIVERSITY COURSES Select from the following: BIO 3321 BIO 3322 BIO 3323 BIO 3324 BIO 3325 BIO 3326 BOT 3313 BOT 4433 MCRO 2224 MSCI 4437 | | | | |
| COLOGY, EVOLUTION, BIODIVERSITY & CONSERVATION CONCENTRATION | BIO 415 BIO 442 BIO 444 BIO 445 BIO 446 BIO 447 BOT 326 MCRO 436 MSCI 300 | | olution Course the following: | es: | BIO 4449 BIO 4442 DISCNT BIO 4444 BIO 4446 BIO 4447 BOT 3326 MCRO 443 MSCI 3000 | Select from | olution Course the following: | s: | | |
| ECOLOGY, EVO | BIO 427 | | tion Courses: the following: MSCI 439 | NR 416 | BIO 4427 | | tion Courses: the following: MSCI 4439 | NR 4416 | | |
| | ASCI 239 BIO 300 BIO 321 BIO 322 BIO 323 BIO 324 BIO 327 BIO 329 BIO 330 | | D ELECTIVES the following: | | ASCI 2239 BIO 3000 BIO 3321 BIO 3322 BIO 3323 BIO 3324 BIO 3327 DISCONTII | Select from | D ELECTIVES a the following: | | | |





Biological Sciences: Concentration

Ecology, Evolution, Biodiversity & Conservation Concentration

2022 - 2026 Catalog Requirements

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| | | QUARTER COURSE | 5 | SEMESTER COURSE | NOTES |
|---|---|----------------|---|-----------------|---|
| V CONCENTRATION | BOI 335 BIO 336 BIO 400 BIO 415 BIO 427 BIO 429 BIO 434 | | BIO 3325 BIO 3326 BIO 4400 BIO 4449 BIO 4427 BIO 4429 BIO 4422 | | |
| | BIO 435 BIO 442 BIO 445 BIO 446 BIO 450 BIO 461 BIO 462 BIO 463 | | BIO 3338 BIO 4442 BIO 4444 BIO 4446 BIO 4450 BIO 4461 BIO 4462 BIO 4466 | | |
| SERVATIO | BOT 311 BOT 323 BOT 326 | | BOT 3311 PLSC 3323 BOT 3326 | | |
| Y & CONS | GEOG 441 MCRO 224 MCRO 436 | | GEOG 4441 MCRO 2224 MCRO 4436 | | |
| ECOLOGY, EVOLUTION, BIODIVERSITY & CONSERVATION CONCENTRATION | MSCI 300 MSCI 324 MSCI 428 MSCI 437 MSCI 439 | | MSCI 3000 MSCI 3324 MSCI 4437 MSCI 4437 MSCI 4439 | | MSCI 428 & 437 content merged into MSCI 4437 |
| | NR 141 NR 142 NR 314 NR 404 NR 416 NR 418 NR 425 NR 445 SCM 302 | | NR 1141 NR 1142 NR 4442 NR 4404 NR 4416 NR 4418 DISCONTINUED NR 4445 SCM 3302 |) | |
| | STAT 313 STAT 324 STAT 334 STAT 330 STAT 331 STAT 416 STAT 419 STAT 421 | | DISCONTINUED STAT 3430 STAT 3530 STAT 3800 STAT 1810 STAT 4760 STAT 4790 DISCONTINUED | | Suggested course to take for STAT 313 is STAT 3520 |





Molecular & Cellular Biology Concentration

2022 - 2026 Catalog Requirements

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| | QUARTER COURSE | SEMESTER COURSE | NOTES |
|------------------------------------|--|---|-------------------------------|
| | BIO 452 Cell Biology | BIO 4452 Cell Biology | |
| | BIO/CHEM 475 Molecular Biology Laboratory | BIO 4457 Molecular Biology Laboratory | |
| | CHEM 217 Organic Chemistry II | CHEM 2244 Organic Chemistry II | |
| | CHEM 220 Organic Chemistry Laboratory for Life Sciences II | DISCONTINUED | Content merged with CHEM 2244 |
| N O | CHEM 369 Biochemical Principles | CHEM 3352 Biochemistry | |
| NTRATIC | MCRO 224 General Microbiology I | MCRO 2224 General Microbiology I | |
| MOLECULAR & CELLULAR CONCENTRATION | Advanced Cell and Molecular Applications Select from the following: ASCI 403 BIO 405 BIO 426 BIO 428 BIO/CHEM 441 BIO/CHEM 476 CHEM 372 CHEM 418 CHEM 474 MCRO 402 MCRO 433 | Advanced Cell and Molecular Applications Select from the following: ASCI 4403 BIO 4455 BIO 4456 BIO 4458 BIO 4451 DISCONTINUED CHEM 3354 CHEM 4458 CHEM 4454 MCRO 4402 MCRO 4433 | |
| | Approved Electives Select from the following: ASCI 403 ASCI 406 ASCI 407 BIO 202 | Approved Electives Select from the following: ASCI 4403 ASCI 4406 ASCI 4407 BIO 2252 | |
| | CHEM 218 CHEM 223 CHEM 331 CHEM 372 CHEM 377 CHEM 418 CHEM 428 CHEM 474 | DISCONTINUED DISCONTINUED CHEM 330 CHEM 3354 CHEM 4457 CHEM 4458 CHEM 4450 CHEM 4454 | |





Molecular & Cellular Biology Concentration

2022 - 2026 Catalog Requirements

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| _, | QUARTER COURSE | SEMESTER COURSE | NOTES |
|------|--|---|-------|
| MOLE | Approved Electives Select from the following: CSC 101 DATA 301 SCM 302 ES/WGQS 350 PHIL 323 PHIL 339 PHIL 341 STAT 313 | Approved Electives Select from the following: CSC 1001 DATA 3301 SCM 3302 WGQS 3350 PHIL 3323 PHIL 3339 PHIL 3341 DISCONTINUED | |



