

Every Fall Semester

- BIOL 3302 Wildlife Biology.** Prerequisite(s): [BIOL 1407](#)
- BIOL 3318. Animal Physiology.** Prerequisite(s): [BIOL 1407](#).
- BIOL 3380. Research Methods.** Prerequisite(s): Junior standing.
- BIOL 3401. Ecology.** Prerequisite(s): [BIOL 1407](#).
- BIOL 3445. Comparative Vertebrate Zoology.** Prerequisite(s): [BIOL 1407](#).
- BIOL 3452. Principles of Genetics.** Prerequisite(s) [BIOL 1407](#).
- BIOL 4301. Conservation Biology.** Prerequisite(s): [BIOL 3401](#).
- BIOL 4372. Virology.** Prerequisite(s): [BIOL 4470](#).
- BIOL 4380. Evolution.** Prerequisite(s): [BIOL 1407](#) and [BIOL 3452](#).
- BIOL 4390. Research Experience.** Prerequisite(s): Permission of instructor
- BIOL 4395. Biology Capstone.** Prerequisite(s): [BIOL 3380](#) and senior standing.
- BIOL 4471. Molecular Biology.** Prerequisite(s): [BIOL 1407](#) and [BIOL 4470](#).
- BIOL 4475. Proteomics.** Prerequisite(s): [BIOL 4471](#).
- CHEM 3415. Analytical Chemistry.** Prerequisite(s): [CHEM 2425](#) or equivalent.
- CHEM 4430. Biochemistry I.** Prerequisite(s): [CHEM 2425](#) or equivalent.
- MATH 3350. Biostatistics.** Prerequisite(s): [MATH 2413](#)

Every Spring Semester

- BIOL 3315. Advanced Physiology.** Prerequisite(s): [BIOL 1406](#).
- BIOL 3341. Ornithology.** Prerequisite(s): [BIOL 1406](#)
- BIOL 3380. Research Methods.** Prerequisite(s): Junior standing.
- BIOL 3430. Botany.** Prerequisite(s): [BIOL 1407](#).
- BIOL 4302. Restoration Ecology.** Prerequisite(s): [BIOL 3401](#).
- BIOL 4346. Animal Behavior.** Prerequisite(s): [BIOL 1407](#).
- BIOL 4451. Bioinformatics.** Prerequisite(s): [BIOL 4470](#) and [BIOL 4471](#).
- BIOL 4470. Cell Biology.** Prerequisite(s): [BIOL 1407](#).
- BIOL 4373. Immunology.** Prerequisite(s): [BIOL 4470](#).
- BIOL 4390. Research Experience.** Prerequisite(s): Permission of instructor
- BIOL 4395. Biology Capstone.** Prerequisite(s): [BIOL 3380](#) and senior standing.
- CHEM 4415. Instrumental Analysis.** Prerequisite(s): [CHEM 3415](#) or equivalent.
- CHEM 4431. Biochemistry II.** Prerequisite(s): [CHEM 4430](#) or equivalent.

Odd year Spring Semester

BIOL 3440. Invertebrate Zoology. Prerequisite(s): [BIOL 1407](#).

Even year Spring Semester

BIOL 3420. Entomology. Prerequisite(s): [BIOL 1407](#).

Offered as needed

BIOL 3471. Microbiology. Prerequisite(s): [BIOL 1407](#).

BIOL 4389. Special Topics in Biology. Prerequisite(s): Permission of department chair.