

Every Fall Semester

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 4372. Virology. Prerequisite(s): [BIOL 4470](#).

BIOL 4380. Evolution. Prerequisite(s): [BIOL 1407](#) and [BIOL 3452](#).

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 3380. Research Methods. Prerequisite(s): Junior standing.

BIOL 3430. Botany. Prerequisite(s): [BIOL 1407](#).

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 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](#).

BIOL 4301. Conservation Biology. Prerequisite(s): [BIOL 3401](#).

Even year Spring Semester

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

BIOL 4302. Restoration Ecology. Prerequisite(s): [BIOL 3401](#).

Offered as needed

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

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