Spring Offerings
Bioinformatics Major Electives

Courses with a ^ might be offered as an iCourse. Courses listed on this sheet may not necessarily be offered every semester. All pre-requisites must be met prior to enrolling. This list shows courses that are typically offered. Some courses may not be available.

**BIOLOGICAL OPTIONS**
- BIOC 384 – Fundamentals of Biochemistry^
- BIOC 385 – Metabolic Biochemistry^
- ECOL 330 – Evolution of Animal Form and Function
- ECOL 360 – Marine Ecology & Conservation
- ECOL 406R – Conservation Biology
- ECOL 409 – Evolution of Infectious Disease^
- ECOL 426 – Population Genetics
- ECOL 475 – Freshwater and Marine Algae
- ECOL 483 – Herpetology
- ECOL 484 – Ornithology
- GEOS 412A – Ocean Sciences
- MCB 301 – Molecular Basis of Life
- MCB 416A – Statistical Bioinformatics & Genomic Analysis
- MCB 422 – Problem Solving with Genetic Tools^
- MCB 473 – Recombinant DNA Methods and Applications
- MIC 328R – Microbial Physiology Lecture
- MIC 425 – Environmental Microbiology
- PLP 428L – Microbial Genetics Laboratory
- PLP 428R – Microbial Genetics Lecture^
- PLP 428R – Microbial Genetics
- PLS 312 – Plant & Animal Genetics
- PLS 333 – General Virology
- PLS 340L – Biotechnology Laboratory

**COMPUTER SCIENCE OPTIONS**
- CSC 335 – Object-Oriented Programming and Design
- CSC 401B – Symbolic Logic
- ISTA350 – Programming for Informatics Applications
- MATH 481 – Mathematical modeling of fluid flow through and around organs and organisms

PSIO 404, 411, 420, 425, 450, 468, and 484 are for PSIO majors and minors only. Please follow up with the PSIO department to determine if seats are available to non-majors.