

BIOINFORMATICS ELECTIVES

Students may only use a course once within their major electives. Courses that are part of the core of your particular major track may not also be used as electives (e.g. MCB 301 or BIOC 384 in the MCB track). Courses with a ^ may have an online component. Other options are available that students don't typically meet the pre-requisite for. Please contact your advisor for more info if you are taking additional math and computer science coursework that may satisfy the pre-requisite,

BIOLOGICAL OPTIONS

BIOC 384 - Fundamentals of Biochemistry
BIOC 385 - Metabolic Biochemistry
ECOL 326 - Genomics (*MCB, SYSBIO, & CS Sub-plan only*)
ECOL 340 - Evolution of Plant Form and Function
ECOL 447 - Intro to Theoretical Ecology
ECOL 450 - Marine Discovery
ECOL 482 - Ichthyology (Odd years only)
ECOL 485 - Mammalogy
ECOL 487R - Animal Behavior Lecture
ECOL 487L - Animal Behavior Lab
ECOL 496J - Plant Population Ecology
ENTO 415R - Insect Biology
GEOS 439A - Introduction to Dendrochronology
MCB 315 - Key Concepts in Quantitative Biology

MCB 325 - The Biology of Cancer
MCB 340 - Introduction to Biotechnology
MCB 422 - Problem Solving with Genetics Tools
MCB 480 - Introduction to Systems Biology
MIC 350 - Molecular Microbiology
MIC 419 - Immunology
MIC 420 - Pathogenic Bacteriology
MIC 425 - Environmental Microbiology
MIC 432 - Comparative Immunology
MIC 452 - Antibiotics: A Biological Perspective
NSCS 307 - Cellular Neurophysiology
PLP 305 - Introductory Plant Pathology
PLP 329A - Microbial Diversity^
PLP 427R - General Mycology Lecture
PLP 247L - General Mycology Lab

COMPUTER SCIENCE OPTIONS

CSC 401A - Symbolic Logic
CSC 450 - Algorithms
ISTA 321 - Data Mining and Discovery
ISTA 410 - Bayesian Modeling and Inference
ISTA 421 - Introduction to Machine Learning

Please note that courses offered by the MCB department will only be available to MCB majors during priority registration and enrollment is not guaranteed.

Courses in the PSIO department are reserved for majors only. Please follow up with the PSIO department to determine if seats are available to non-majors.