Fall Offering

BIOTHINAMICS 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.