

ABET Science Classes

*Students should ensure that they have the proper background before taking the higher level science courses listed in this document

BIOLCHEM 415 – Introductory Biochemistry
BIOLCHEM 451 – Advanced Biochemistry
BIOLOGY 171 – Introductory Biology: Ecology and Evolution
BIOLOGY 172 – Introductory Biology: Molecular, Cellular, and Developmental
BIOLOGY 173 – Introduction Biology Laboratory
BIOLOGY 205 – Developmental Biology
BIOLOGY 207 – Introductory Microbiology
BIOLOGY 222 – An Introduction to Neurobiology
BIOLOGY 225 – Principles of Animal Physiology
BIOLOGY 226 – Animal Physiology Laboratory
BIOLOGY 230 – Introduction to Plant Biology
BIOLOGY 252 – Chordate Anatomy and Phylogeny
BIOLOGY 281 – General Ecology
BIOLOGY 305 – Genetics
CHEM 210 – Structure and Reactivity I
CHEM 211 – Investigations in Chemistry
CHEM 216 – Synthesis and Characterization of Organic Compounds
CHEM 230 – Physical Chemical Principles and Applications
CHEM 241 – Introduction to Chemical Analysis
CHEM 242 - Introduction to Chemical Analysis Laboratory
CHEM 245 – Biomedical Analytical Chemistry
CHEM 246 - Biomedical Analytical Chemistry Laboratory I
CHEM 260 – Chemical Principles
CHEM 302 – Inorganic Chemistry
CHEM 303 – Introductory Bioinorganic Chemistry
CHEM 351 – Fundamentals of Biochemistry
CHEM 402 – Intermediate Inorganic Chemistry
CHEM 417 – Dynamical Processes in Biophysics
CHEM 436 – Polymer Synthesis and Characterization
CHEM 440 – Biophysics of Diseases
CHEM 447 – Physical Methods of Analysis
CHEM 451 – Advanced Biochemistry: Macromolecular Structure and Function
CHEM 452 – Advanced Biochemistry: Cellular Processes
CHEM 453 – Biophysical Chemistry I
CHEM 461 – Physical Chemistry I
CHEM 467 – Biogeochemical Cycles
CHEM 480 – Physical and Instrumental Chemistry
MCDB 306 – Introductory Genetics Laboratory
MCDB 308 – Developmental Biology Laboratory
MCDB 310 – Introductory Biochemistry
MCDB 321 – Introductory Plant Physiology
MCDB 403 – Molecular and Cell Biology of the Synapse
MCDB 405 – Molecular Basis of Development
MCDB 408 – Genomic Biology

MCDB 415 – Microbial Genetics
MCDB 417 – Chromosome Structure and Function
MCDB 418 – Endocrinology
MCDB 419 – Endocrinology Laboratory
MCDB 422 – Cellular and Molecular Neurobiology
MCDB 426 – Molecular Endocrinology
MCDB 427 – Molecular Biology
MCDB 428 – Cell Biology
MCDB 429 – Laboratory in Cell and Molecular Biology
MCDB 430 – Molecular Biology of Plants
MCDB 436 – Introductory Immunology
MCDB 441 – Cell Biology and Disease
MCDB 450 – Genetics and Molecular Biology of Complex Behavior
MCDB 489 – Microbial Genes and Genomes
PHYSICS 340 – Waves, Heat, and Light
PHYSICS 341 – Waves, Heat, and Light Lab
PHYSICS 351 – Methods of Theoretical Physics
PHYSICS 370 – Physical and Chemical Principles Behind Biology and Medicine
PHYSICS 390 – Introduction to Modern Physics
PHYSICS 401 – Intermediate Mechanics
PHYSICS 402 – Optics
PHYSICS 405 – Intermediate Electricity and Magnetism
PHYSICS 406 – Statistical and Thermal Physics
PHYSICS 411 – Introduction to Computational Physics
PHYSICS 413 – Introduction to Nonlinear Dynamics
PHYSICS 417 – Dynamical Processes in Biophysics
PHYSICS 435 – Gravitational Physics
PHYSICS 438 – Electromagnetic Radiation
PHYSICS 441 – Advanced Laboratory I
PHYSICS 450 – Biophysics Laboratory
PHYSICS 453 – Quantum Mechanics
PHYSICS 457 – Particle Physics and Cosmology
PHYSICS 463 – Introduction to Solid State Physics
PHYSICS 470 – Experiments in Nonlinear Dynamics
PHYSIOL 201 – Introduction to Human Physiology
PSYCH 230 – Introduction to Biopsychology
PSYCH 240 – Introduction to Cognitive Psychology