

Biochemistry B.A. and B.S.
List of courses approved as technical electives

BIOC 310	Microbial Physiology and Therapeutic Opportunities
BIOC 311	Antimicrobial Therapies and Resistance
BIOC 312	Proteins and Enzymes
BIOC 315	Biological Membranes and Their Proteins
BIOC 334	Structural and Computational Biology
BIOC 344	Molecular Endocrinology
BIOC 345	Metabolic Dysregulation and Human Disease
BIOC 350	Molecular Basis of Cancer
BIOC 353	Biochemical Pathways in Cancer Therapeutics
BIOC 354	Biochemistry and Biology of RNA
BIOC 360	Advanced Technologies for Cancer Research
BIOC 501	Biochemical and Cellular Techniques for Biotechnology
ANAT 391	Embryology
BIOL 300	Dynamics of Biological Systems
BIOL 301	Biotechnology Laboratory
BIOL 306	Mathematical Analysis of Biological Models
BIOL 316	Fundamental Immunology (4)
BIOL 319	Applied Probability and Stochastic Processes for Biology
BIOL 325	Cell Biology
BIOL 326	Genetics
BIOL 328	Plant Genomics and Proteomics
BIOL 340	Human Physiology
BIOL 341	Basic Biology of Blood and Blood Diseases
BIOL 343	Microbiology
BIOL 346	Human Anatomy
BIOL 362	Principles of Developmental Biology
BIOL 373	Introduction to Neurobiology
BIOL 402	Principles of Neural Science
CHEM 301	Introductory Physical Chemistry I
CHEM 302	Introductory Physical Chemistry II
CHEM 304	Quantitative Analysis Laboratory (2)
CHEM 305	Introductory Physical Chemistry Lab
CHEM 311	Inorganic Chemistry I
CHEM 325	Physical Methods for Determining Organic Structure
CHEM 331	Laboratory Methods in Inorganic Chemistry
CHEM 421	Advanced Organic Chemistry I
ECHE 340	Biochemical Engineering
MATH 376	Mathematical Analysis of Biological Models
MBIO 450	Cells and Pathogens
MPHP 464	Obesity and Cancer
NTRN 434	Advanced Human Nutrition II
PATH 444	Neurodegenerative Diseases
PHOL 466	Cell Signaling
PHOL 514	Cardiovascular Physiology
PHRM 309	Principles of Pharmacology
PHYS 320	Introduction to Biological Physics