

Elective Courses for Biochemistry Graduate Students*

RUBRIC	Title	Hrs
BIOC 445	Current Topics in Biochemistry	3
BIOP 401	Introduction to Biophysics	3
BIOP 432	Photosynthesis	3
CHBE 473	Biomolecular Engineering	4
CHBE/MCB 571	Bioinformatics	4
CHEM/BIOP 470	Computational Chemical Biology	4
CHEM 512	Advanced Inorganic Chemistry	4
CHEM 522	Experimental Spectroscopy	4
CHEM 530	Structure & Spectroscopy	4
CHEM 532	Physical Organic Chemistry	4
CHEM 544	Statistical Thermodynamics	4
CHEM 572/MCB 553	Enzyme Reaction Mechanisms	4
CHEM 573	Isotopically Labeled Compounds	2-4
CHEM 574/MCB 554	Genomics, Proteomics, Bioinfo	4
CHEM 578	Combinatorial Chemistry	4
CPSC/ANSC 440	Applied Statistical Methods I	4
FSHN 420	Nutritional Aspects of Disease	3
FSHN 480	Basic Toxicology	3
IB 405	Ecological Genetics	3
IB 420	Plant Physiology	3
MCB 400	Cell Structure & Function	4
MCB 406	Gene Expression	3
MCB 408	Immunology	4
MCB 412	Cell Molec Neurobiology	3
MCB 413	Endocrinology	3
MCB 414	Introduction to Neurobiology	3
MCB 419	Brain, Behavior & Info Process	3
MCB 421	Microbial Genetics	3
MCB 424	Microbial Biochemistry	3
MCB 426	Bacterial Pathogenesis	3
MCB 427	Infection & Immunity	3
MCB 432	Computing in Molecular Biology	3
MCB 480	Eukaryotic Cell Signaling	3
MCB 484	Model Organisms & Epigenetics	3
MCB 512	Advanced Endocrinology	2
MCB 528	Evolution in a Microbial World	3
MCB 551	Adv Top Biochemistry	1-4
PATH 519/MCB 561	Mechanisms Viral Pathogenesis	3
PATH 544	Immunobiological Methods	3
PHYS 404/CHEM 423	Electronic Circuits I	4
PHYS/BIOP 550	Biomolecular Physics	4
PSYC/NEUR 444	Hormones and Behavior	4
STAT 400	Statistics & Probability I	4
VB 594	Veterinary Biosciences (Lab)	1-4

* - other courses may be available. See Academic Affairs Office for approval.