Biochemistry PhD students must complete 3 of these "BIOC electives" courses, with 1 being either BIOC 412 or BIOC 434

BIOC 410 Microbial Physiology
BIOC 411 Antimicrobial Therapies and Resistance
BIOC 412 Proteins and Enzymes
BIOC 415 Lipids, Membranes, and Membrane Proteins
BIOC 434 Structur and Comput Biology
BIOC 444 Molecular Endocrinology
BIOC 445 Metabolic Dysregulation
BIOC 450 Molecular Basis of Cancer
BIOC 453 Cancer Therapeutics Pathways
BIOC 454 RNA Biochemistry and Biology
BIOC 501 Biochem Techniques Biotechnol
BIOC 503 Biotechnology Lab - CRISPR

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These graduate courses are approved as "advanced science" electives for Biochemistry PhD students.

BIOC 407 Introduction to Biochemistry
BIOC 408 Molecular Biology
BIOC 410 Microbial Physiology
BIOC 411 Antimicrobial Therapies and Resistance
BIOC 412 Proteins and Enzymes
BIOC 415 Lipids, Membranes, and Membrane Proteins
BIOC 420 Current Topics in Cancer
BIOC 434 Structur and Comput Biology
BIOC 444 Molecular Endocrinology
BIOC 445 Metabolic Dysregulation
BIOC 450 Molecular Basis of Cancer
BIOC 452 Nutrition Biochem & Metabolism
BIOC 453 Cancer Therapeutics Pathways
BIOC 454 RNA Biochemistry and Biology
BIOC 475 Protein Biophysics
BIOC 501 Biochem Techniques Biotechnol
BIOC 503 Biotechnology Lab - CRISPR
BIOC 511 Biotech Professional Practice
BIOC 528 Contemp Approach to Drug Disc
BIOC 611 Biochemistry Seminar I
BIOC 612 Biochemistry Seminar II
BIOL 424 Intro to Stem Cell Biology
BIOL 426 Genetics
BIOL 443 Microbiology
BIOL 452 Ecol & Evol of Infect Diseases
BIOL 462 Prin of Developmental Biology
CHEM 433 Medicinal Chemistry & Drug Dev
CHEM 436 Complex Molecular Synthesis
EBME 406 Polymers in Medicine
EBME 416 Biomaterials for Drug Delivery
EBME 426 Nanomedicine
GENE 500 Topics in Genetics Research
GENE 504 Adv Eukaryotic Genetics II
MBIO 445 Mol Biol/Pathog of RNA/DNA Vir
MBIO 450 Cells and Pathogens
NTRN 452 Nutrition Biochem & Metabolism
NTRN 454 Adv Nutrition and Metabolism
PATH 416 Fundamental Immunology
PATH 444 Neurodegenerative Diseases
PATH 475 Cell and Molecular Biology

PATH 520 Hallmarks of Cancer
PHOL 401A Physiology & Biophysics 1A
PHOL 401B Physiology & Biophysics 1B
PHOL 402A Physiolog Basis for Disease
PHOL 475 Protein Biophysics
PHOL 481 Medical Physiology I
PHOL 482 Medical Physiology II
PHOL 483 Translational Physiology I
PHOL 484 Translational Physiology II
PHOL 519 Cardio-respiratory Physiology
PHRM 409 Principles of Pharmacology
PHRM 526 Grant Writing Tutorial
PQHS 431 Statistical Methods I
SYBB 402 Intro to Scientific Computing
SYBB 411 Technologies in Bioinformatics
SYBB 555 Cur Proteomics & Bioinformatic

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