APPROVED TECHNICAL ELECTIVES FOR THE CWRU BIOCHEMISTRY MAJOR (FALL SEMESTER)

- ANAT 312 Basic Histology
- BIOC 312 Proteins and Enzymes
- BIOC 501 Biochemical and Cellular Techniques for Biotechnology
- BIOL 301 Biotechnology Laboratory
- BIOL 306 Mathematical Analysis of Biological Models
- BIOL 326 Genetics
- BIOL 346 Human Anatomy
- BIOL 362 Principles of Developmental Biology
- BIOL 373 Introduction to Neurobiology
- BIOL 374 Neurobiology of Behavior
- CHEM 304 Quantitative Analysis Laboratory (2)
- CHEM 311 Inorganic Chemistry I
- CHEM 331 Laboratory Methods in Inorganic Chemistry
- ECHE 340 Biochemical Engineering
- MATH 376 Mathematical Analysis of Biological Models
- NTRN 328 Child Nutrition, Development and Health
- PHRM 309 Principles of Pharmacology
- PHOL 468 Membrane Physiology
- PHYS 320 Introduction to Biological Physics

Notes to students:

- 1. Check the Bulletin for prerequisites and the course schedule for availability.
- 2. Most graduate courses require the consent of the instructor. Discuss your desire to take a course with your adviser and the course instructor before registration.
- 3. BIOC 312 and BIOC 334 are both required courses for the **B.S.** Biochemistry major and <u>neither</u> can serve as a technical elective for Biochemistry **B.S.** students.
- 4. For **B.A.** students who complete <u>both</u> BIOC 312 and BIOC 334, one course will serve as a required course and the other can serve as a technical elective.

APPROVED TECHNICAL ELECTIVES FOR THE CWRU BIOCHEMISTRY MAJOR (SPRING SEMESTER)

- ANAT 312 Basic Histology
- ANAT 391 Embryology
- ANAT 610 Oxygen and Physiological Function
- BIOC 334 Structural Biology
- BIOC 354 Biochemistry and Biology of RNA
- BIOL 300 Dynamics of Biological Systems
- 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 343 Microbiology
- BIOL 346 Human Anatomy
- BIOL 363 Experimental Developmental Biology
- BIOL 378 Computational Neuroscience
- BIOL 402 Principles of Neural Science
- CHEM 302 Introductory Physical Chemistry II (accepted as elective for **B.A.** only)
- CHEM 305 Introductory Physical Chemistry Lab
- CHEM 325 Physical Methods for Determining Organic Structure
- CHEM 333 Medicinal Chemistry & Drug Development
- CHEM 339 Bioinorganic Chemistry
- CHEM 421 Advanced Organic Chemistry I
- MBIO 450 Cells and Pathogens
- MPHP 464 Obesity and Cancer
- NTRN 433 Advanced Human Nutrition I
- NTRN 434 Advanced Human Nutrition II
- PATH 444 Neurodegenerative Diseases
- PHOL 466 Cell Signaling
- PHOL 514 Cardiovascular Physiology

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