MINOR IN BIOCHEMISTRY

CATALOG YEAR 2022-2023

MINOR REQUIREMENTS

- The minor requires 6 unique units that cannot be used to satisfy any other major or minor within the same degree.
  - Each department has their own unique double dipping policy. Check with your major advisor regarding your department’s policy.
  - Some double dipping policies may require you to take additional electives.
- Total units required: 24
- Upper division units required: 9

REQUIRED INTRODUCTORY COURSES

General Chemistry

_____CHEM152 OR 162/164 OR 142/144

Introductory Biology

_____MCB181R  _____MCB181L

Organic Chemistry

_____CHEM241A (3)  _____CHEM243A (1)  _____CHEM241B (3)

BIOCHEMISTRY CORE

First Semester Biochemistry (Complete one course. Students must complete all pre-requisites prior to enrolling)

_____BIOC 384 OR BIOC 462A

Second Semester Biochemistry (Complete one course. Students must complete all pre-requisites prior to enrolling)

_____BIOC 385 OR BIOC 462B

Life Science Elective (Complete one 300-400 level course from the list below or as pre-approved by a CBC advisor.)

_____BIOS 376 (3) Introduction to Biostatistics
_____BME 486 (3) Biomaterial-Tissue Interactions
_____CHEE 477R (3) Microbiology for Engineers
_____CHEM 405A (1) Basic Lab Safety
_____CHEM 405B (1) Advanced Lab Safety
_____CHEM 405C (1) Chemical Hygiene and Regulations
_____CHEM 450 (3) Synthetic and Mechanistic Organic Chem
_____ECOL 320 or 320H (4-5) Genetics
_____ECOL 326 (3) Genomics
_____ECOL 346 (4) Bioinformatics
_____ENVS 477 (3) Principles of Ecotoxicology
_____IMB 401 (4) Medical Microbiology and Immunology
_____MATH 363 (3) Intro to Statistical Methods
_____MCB 304 (4-5) Molecular Genetics
_____MCB 325 (3-4) The Biology of Cancer
_____MCB 400 (3-4) Cell Biology
_____MCB 410 (3-4) Cell Biology
_____MCB 411 (3-4) Molecular Biology
_____MCB 416A (3) Bioinformatics & Functional Genomic Analysis
_____MCB 425 (3) Cancer Discoveries
_____MCB 480 (3) Intro to Systems Biology
_____MIC 328R (3) Microbial Physiology
_____MIC 419 (4) Immunology
_____MIC 428 (3) Microbial Genetics
_____MIC 452 (3) Antibiotics – A Biological Perspective

____NSC 408 (3) Nutritional Biology
____NSC 475 (3) Nutrigenomics for the Study of Disease
____NSCS 307 (3-4) Cellular Neurophysiology
____NROS 310 (3-4) Molecular and Cellular Biology of Neurons
____NROS 430 (3) Neurogenetics
____PCOL 320 (3) What's Your Poison? Toxicology of Substances
____PCOL 410 (5) Medicinal Chemistry
____PHCL 412 (3) Intro. to Pharmacology
____PHCL 445 (3) Drugs of Abuse
____PHYS 431 (3) Molecular Biophysics

Course offerings are subject to change. Please consult the Schedule of Classes for specific semester course information.