

Honors Biochemistry Requirements (69)

Foundation Courses

- BIOL 107 - Introduction to Cell Biology
- CHEM 101 - Introductory University Chemistry I
- CHEM 102 - Introductory University Chemistry II

6 units from:

MATH, PHYS or STAT at the 100-level

Senior Courses

- BIOCH 200 - Introductory Biochemistry
- BIOCH 310 - Bioenergetics and Metabolism
- BIOCH 320 - Structure and Catalysis
- BIOCH 330 - Nucleic Acids and Molecular Biology
- BIOCH 499 - Directed Research Project (6 units)
- CHEM 211 - Quantitative Analysis I
- CHEM 213 - Quantitative Analysis II
- CHEM 261 - Organic Chemistry I
- CHEM 263 - Organic Chemistry II

3 units from:

BIOL 201 - Eukaryotic Cellular Biology

CELL 201 - Introduction to Molecular Cell Biology

6 units from:

BIOCH 401 - Biochemistry Laboratory (6 units)

OR

BIOCH 400 - Biochemistry Laboratory Part I **AND**

BIOCH 404 - Biochemistry Laboratory Part II

15 units from

BIOCH 409 - Biochemistry Tutorial

BIOCH 410 - Signal Transduction

BIOCH 415 - Metabolic Modifications in Health and Disease

BIOCH 420 - Proteins: Structure, Function, and Regulation

BIOCH 425 - Proteomics

BIOCH 430 - Biochemistry of Eukaryotic Gene Expression

BIOCH 441 - Structure and Function of Biological Membranes

BIOCH 465 - Methods in Molecular Biophysics

BIOCH 481 - Design and Construction of Synthetic Biological Systems I

BIOCH 482 - Design and Construction of Synthetic Biological Systems II

- COMM
- COMM
- IND
- BO__
- BO__
- BSBS
- BSFS
- BSSS
- LAB

Notes:

Students should consult the Department of Biochemistry for advice about course selection throughout the program. Several alternative course schedules are possible.