

Biochemistry Major Requirements (48)

Foundation Courses

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

3 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
- 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 _____

9 units from

Any of the following at the 200, 300, 400-level
(at least 3 units at the 300 or 400-level):

BIOCH	CELL	IMIN	PHYS
BIOIN	CHEM	MATH	PHYSL
BIOPH	CMPUT	MICRB	PMCOL
BIOL	GENET	ONCOL	STAT

300 or 400-level

6 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.