

Department of Biology: Integrative Biology Track

For advising purposes only

INTRODUCTORY COURSES

- BIOL 141** Foundations of Modern Biology I (Cell Biology and Genetics) LECTURE (3 credit hours)
- BIOL 141L** Foundations of Modern Biology I LAB (2 credit hours)
- BIOL 142** Foundations of Modern Biology II (Molecular Biology and Developmental Genetics) LECTURE
- BIOL 142L** Foundations of Modern Biology II LAB (2 credit hours)

COLUMN COURSES

One from each column. Additional courses can be counted as electives.

Column A:

- BIOL 223** Developmental Biology (3 credit hours)
- BIOL 250** Cell Biology (3 credit hours)
- BIOL 264** Human Genetics (4 credit hours)

Column B:

- BIOL 240** Organismal Form and Function (3 credit hours)
- BIOL 360** Introduction to Neurobiology (3 credit hours)
- BIOL 370** Introduction to Microbiology (4 credit hours)

Column C:

- BIOL 241** Evolutionary Biology (4 credit hours)
- BIOL 247** Ecology (3 credit hours)
- BIOL 329** Coastal Biology, with Laboratory (4 credit hours)

BIOLOGY ELECTIVES

4 ELECTIVES (12 hours minimum) (Any combination of classes including labs)

UPPER-LEVEL LAB

1 Upper-Level Lab (may come from column, research, or elective courses)

CHEMISTRY/PHYSICS COURSES

- CHEM 150** Structure and Properties (3 credit hours)
- CHEM 150L** Structure and Properties Lab (2 credit hours)
- CHEM 202** Principles of Reactivity (3 credit hours)
- CHEM 202Z** Principles of Reactivity (3 credit hours)
- CHEM 202L** Principles of Reactivity Lab (2 credit hours)
- CHEM 202ZL** Principles of Reactivity Lab (2 credit hours)
- CHEM 203** Advanced Reactivity (3 credit hours)
- CHEM 203Z** Advanced Reactivity (3 credit hours)
- CHEM 203L** Advanced Reactivity Lab (2 credit hours)
- CHEM 203ZL** Advanced Reactivity Lab (2 credit hours)
- PHYS 141** Intro Physics I W/Lab (4 credit hours)
- PHYS 151** Physics for Scientists and Engineers I W/Lab (4 credit hours)

MATH COURSES

- MATH 111** Calculus I (3 credit hours)
- MATH 116** Life Sciences Calculus II (4 credit hours).
- QTM 100** Intro to Stat Inference (4 credit hours)

MED SCHOOL REQUIREMENTS

Required by some medical schools (but not required for the Biology BS degree)

- CHEM 204** Macromolecules (3 credit hours)
- CHEM 204L** Macromolecules Lab (2 credit hours).
- PHYS 142** Intro Physics II W/Lab (4 credit hours)
- PHYS 152** Physics for Scientists and Engineers II w/Lab (4 credit hours)