

Department of Biology:

Molecular Biology and Biotechnology 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

Column A:

(1 as column A, other 2 strongly recommended as electives)

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

Column B:

- BIOL 370** Introduction to Microbiology (4 credit hours)

Column C: (choose one AND take the other as an elective)

- BIOL 241** Evolutionary Biology (4 credit hours)

BIOLOGY ELECTIVES

- BIOL 223** Developmental Biology (3 credit hours)
- BIOL 250** Cell Biology (3 credit hours)
- BIOL 264** Human Genetics (4 credit hours)
- BIOL 301** Introductory Biochemistry (3 credit hours)
- BIOL 352** Epigenetics and Human Disease (3 credit hours)
- BIOL 351** Immunology and Disease (4 credit hours)
- BIOL 385** 385/385W Special Topics in Biology (1 to 4 credit hours)
- BIOL 415** Cancer Biology and Oncogenes (3 credit hours). Spring
- BIOL 460** Building Brains (3 credit hours)
- BIOL 465** RNA and Biotechnology (3 credit hours)

CROSS-LISTED ELECTIVES

- BIOL 315** Ancient DNA and Human Evolution (3 credit hours)
- BIOL 330** Chemistry, Biology, and Molecular Modeling (3 credit hours)
- CHEM 343** Chemical Biology (3 credit hours)

LAB COURSES

- BIOL 224** Advanced Developmental Biology and Embryology, with Laboratory (3 credit hours)
- BIOL 346L** Biomolecular Chemistry Lab (2 credit hours).
- BIOL 370LW** Introduction to Microbiology Laboratory (3 credit hours)
- BIOL 499R** Undergraduate Research (4 hours each semester)