

College of Liberal Arts & Sciences: Biology Major

All courses on this sheet taken as part of the Biology major must be passed with a grade of C or better; transferred courses must have approval from the Division of Biology to receive major credit.

1. CORE COURSES

A. Take BIOL (201 & 202) or 203:

- BIOL 201 Biology I (4) (BIO 102, BIO 201) and
 BIOL 202 Biology II (4) (BIO 101, BIO 202)
 or
 BIOL 203 Fast-Track Biology I & II (6)

B. Take all of these courses:

- BIOL 225 Research Methods in Biology (2)
 BIOL 226 Biostatistics (3)
 BIOL 365 Genetics (4)
 BIOL 390 Junior Seminar (1) (BIO 390, BIOL 391)
 BIOL 490 Senior Seminar (1) (BIO 490, BIOL 491)

C. Take one of these courses:

- *BIOL 252 Molecular Cell Biology (4)
 *BIOL 311 Invertebrate Biology (4)
 *BIOL 322 Botany (4)
 *BIOL 345 Vertebrate Natural History (4)
 *BIOL 354 Ecology (4) (BIO 394)

2. DISTRIBUTION

**Take 20 credit hours,
with at least one course from each area.**

CELL & MOLECULAR

- *BIOL 252 Molecular Cell Biology (4)
 BIOL 302 General Microbiology (4) (BIO 462)
 BIOL 340 Virology (4)
 BIOL 372 Advanced Cell Biology (4)
 BIOL 374 Biology of Cancer (4) (BIO 371)
 BIOL 402 Immunology (4)
 BIOL 404 Microbial Pathogenesis (4)
 BIOL 420 Biochem: proteins & metabolism (4) (BIO 440)
 BIOL 422 Biochem: nucleic acids (4) (BIO 482)

ORGANISMAL

- *BIOL 311 Invertebrate Biology (4)
 *BIOL 322 Botany (4)
 BIOL 332 Histology (4)
 BIOL 346 Animal Nutrition (4)
 BIOL 352 Developmental Biology (4)
 BIOL 375 Comparative Vertebrate Biology (4)
 BIOL 376 Animal Physiology (4)
 BIOL 410 Endocrinology (4)

ORGANISMS IN THEIR ENVIRONMENT

- BIOL 106 Field Botany (4)
 BIOL 304 Microbial Ecology (4) (BIO 221)
 *BIOL 345 Vertebrate Natural History (4)
 BIOL 348 Animal Behavior (4)
 *BIOL 354 Ecology (4) (BIO 394)
 BIOL 356 Aquatic Ecology (4) (BIO 396)
 BIOL 358 Biogeography and Landscape Ecology (4)
 BIOL 415 Genetics & Evol Pops (4) (BIO 455, 480)
 BIOL 425 Physiological Plant Ecology (4) (BIO 370)

Student Name _____

Student Number _____

Class of _____

Other major, if any _____

Minors, if any _____

SIGNATURES:

Student _____ Date _____

Advisor _____ Date _____

Chair _____ Date _____

Dean _____ Date _____

Distribution: original to Dean of LAS, copies to all others.

3. RELATED COURSES

Take all courses; additional courses in physics and math are strongly recommended.

- CHEM 105 General Chemistry I (4)
 CHEM 106 General Chemistry II (4)

_____ CHEM 310 Basic Organic Chemistry (3)

or

- CHEM 315 Organic Chemistry I (4) and
 CHEM 316 Organic Chemistry II (4)

4. If you are planning to be a teacher, this line must be signed by the Chair of the Division of Education to indicate that certification requirements have been discussed.

Chair _____ Date _____

* Courses that may be used to satisfy either the core requirement or a distribution requirement, but not both.