

Biology Major Planning Sheet

BIOLOGY

Introductory Courses (Required)

- _____ Bio 110 Integrative Biology I (w/Lab)
- _____ Bio 111 Integrative Biology II (w/Lab)
- _____ MAT 115
- _____ Chem 150 Intro to Chemistry (w/Lab)

Additional Chemistry (choose 2):

- _____ Chem 220 with lab
- _____ Chem 230
- _____ Chem 240 with lab
- _____ Chem 280 with lab

Additional Mathematics (choose 1):

- _____ Math 117 (Calculus I)
- _____ Math 118 (Calculus I)
- _____ Math 119 (Calculus I)

Distributional Requirements (Required 1 course from each group):

Group I: Organismal

- BIO201: Microbiology
- BIO222: Human anatomy and physiology I
- BIO223: Human anatomy and physiology II
- BIO240: Vertebrate biology
- BIO351: Foundations of neural systems and circuits
- BIO270: Invertebrate biology

Group II: Ecology & Evolution

- BIO215: Marine biology
- BIO230: Evolutionary biology
- BIO308: Ecology
- BIO310: Behavioral ecology
- BIO311: Disease ecology

Group III: Cellular & Molecular Biology

- BIO216: Molecular biology
- BIO220: Genetics
- BIO350: Foundations of Neurobiology
- BIO280: Biochemistry I
- BIO309: Cells and tissues
- BIO317: Immunology
- BIO318: Developmental biology
- BIO385: Advanced biochemistry and molecular biology

Electives (Need 4 – different from the distributional courses taken)

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| _____ Bio 201 Microbiology | _____ Bio 275 Medical Biochemistry OR BIO 280 |
| _____ Bio 215 Marine Biology | _____ Bio 285 Animal Behavior |
| _____ Bio 216 Molecular Biology | _____ Bio 305 Animal Physiology |
| _____ Bio 220 Genetics | _____ Bio 308 Ecology |
| _____ Bio 222 Human Anatomy & Physiology I | _____ Bio 309 Cells and Tissues |
| _____ Bio 223 Human Anatomy & Physiology II | _____ Bio 317 Immunology |
| _____ Bio 230 Evolutionary Biology | _____ Bio 318 Developmental Biology |
| _____ Bio 240 Vertebrate Biology | _____ Bio 324 Brains and Behavior |
| _____ Bio 250 Foundations of Neurobiology | _____ Bio 325 Addiction (was Neuropharmacology) |
| _____ Bio 251 Foundation of Neural Systems | _____ Bio 330 Diseases of the Nervous System |
| _____ Bio 260 Bioinformatics | _____ Bio 385 Advanced BMB |
| _____ Bio 270 Invertebrate Biology | |

Capstone/ Research Experience Courses (1 Required)

- _____ Bio 491 Jr or Sr and permission of instructor
(Or approved research or internship experience. Check with your advisor)

Requirements for the Biology Minor:

- Biology 110, 111, and three additional courses at the 200-level or above.