Biology Major Planning Sheet

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

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.

Updated Fall 2019