

Illinois State University

PLAN OF STUDY FOR MAJOR IN BIOLOGICAL SCIENCES – Physiology, Neuroscience & Behavior Sequence

Name _____ ID _____ Catalog year _____

Date _____ Minor _____ Career Goal _____

MAJOR REQUIREMENTS:

BSC 196 Biological Diversity (4) _____
BSC 197 Cellular and Mol. Basis of Life (4) _____
BSC 204 Biological Investigations (1) *196, 197* _____

SEQUENCE REQUIREMENTS:

BSC 283 Animal Physiology (4) *CHE 110, 112 or 141, J/S* _____
BSC 286 Animal Behavior (4) _____
BSC 327 Hormones and Behavior (3) *283 or 286* _____
BSC 343 Introduction to Neurobiology (3) _____

Sequence-related Electives (14 hours minimum, at least one laboratory, no more than two from Psychology):

BSC 201 Ecology (4) _____
BSC 203 Cell Biology (3) *CHE 110, 112 or 141* _____
BSC 219 Genetics (3) _____
BSC 260 Microbiology (4) *CHE 220 or 230,231 or concurrent registration* _____
BSC 290 Research in Biological Sciences (1-3) _____
BSC 292 Invertebrate Zoology (4) _____
BSC 294 Evol & Physio of Fishes (3) *CHE 110, 112 or 141, J/S* _____
BSC 295 Comparative Vertebrate Anatomy (4) _____
BSC 296 Mammalian Biology (3) _____
BSC 301 Entomology (4) *201* _____
BSC 305 Biological Evolution (3) _____
BSC 311 Rain Forest Ecology (3) *201* _____
BSC 325 Ecological Physiology of Animals (3) *J/S* _____
BSC 345 Introduction to Endocrinology (3) *203* _____
BSC 350 Molecular Biology (3) *203, 219; CHE 220, or CHE230, 231* _____
BSC 353 Biotech Laboratory I: DNA Techniques (3) *219; CHE 220 or 230-232* _____
BSC 354 Biotech Laboratory II: Cell Biology Techniques (3) *203* _____
BSC 367 Immunology (4) *203* _____
BSC 396 Avian Biology (4) _____
PSY 253 Cognition & Learning (3) *PSY 110 or 111* _____
PSY 263 Physiological Psychology (3) *PSY 110 or 111* _____
PSY 350 Psychopathology (3) *PSY 110 or 111* _____

TOTAL BIOLOGY HOURS (**37 required**) _____

ADDITIONAL REQUIRED NON-BIOLOGY COURSES:

CHE 140/141 or 110/112 (general or fund.) _____ CHE 220 or 230/231 Organic Chemistry _____

OPTIONAL CHEMISTRY

CHE 232 Org Chem II _____ CHE 233 Org Chem Lab II _____ CHE 242 or 342 Biochem _____ CHE 215 Analytical Chem _____

PHY 105 Fund of Physics 1 _____ or PHY 108 College Physics I _____ or PHY 110 Physics for Sci & Eng I _____

MATH (applied option)

MAT 120 Finite Mathematics _____ MAT 121 Applied Calculus **or** ECO/GEO/PSY 138 Statistics _____

MATH (theoretical option)

MAT 145 Calculus I _____ MAT 146 Calculus II **or** ECO/GEO/PSY 138 Statistics _____

MINOR or other coursework needed _____

GENERAL EDUCATION PLAN: ISU Gen Ed AA/AS IAI (see www.itransfer.org)

ISU GRADUATION REQUIREMENTS: (check mark indicates completion)

- Minimum Degree Hours 120 _____
- Senior College Hours (200 or 300 level) 42 _____
- General Education: _____
- Global Studies Course _____
- One Year Foreign Language (Students with 3 years of H.S. for. lang. are exempt)

SCHEDULE (* Denotes Senior Hours)

This is a proposed schedule. Courses may or may not be offered in the proposed semester. Students are responsible for checking their progress summaries for deficiencies each semester. Progress summaries may be obtained in Moulton Hall or viewed online through the myIllinoisState Portal at my.illinoisstate.edu

Students should read their catalogs carefully. The catalog rules are binding.

Summer 2017	Fall 2017	Spring 2018
Summer 2018	Fall 2018	Spring 2019
Summer 2019	Fall 2019	Spring 2020

Notes for Plan: _____

