

Advising Guide for Freshman & Sophomore

Biology with Teacher Education

Biology with Teacher Education students will begin in the Education Focus Area. Transfer credits, AP and other credit will be evaluated on an individual basis. Please speak with your academic advisor for your individual plan.

General Education Courses

(39 hours)

Freshman Requirement (1 hour)

COUN 1008 – Mastering College (1)

Communications (9 hours)

ENGL 1000 – Writing Studies I (3)

ENGL 1010 – Writing Studies II (3)

COMM 1000 – Public Discourse (3)

Humanities and Fine Arts (9 hours)

Fine Arts Course (3)*

FYS 1001 – First Year Seminar (3)

HIST 1110 – History of US to 1865 (3) OR

HIST 1120 – History of US since 1865 (3)

Mathematics (3)

MATH 2281 – Applied Calculus (3)

Physical and Life Sciences (8)

BIOL 1500/1501 – General Bio I and Lab (4)

CHEM 1141/1142 – General Chem I and Lab (4)

Social and Behavioral Sciences (9 hours)

[courses must be from at least two different disciplines]

POLS 2100 – American National Gov't (3)

PSYC 1101 – Principles of Psychology (3)

Social and Behavioral Science Course (3)*

Major Courses

(98 hours)

Education Foundation Courses (6 hours)

EDUC 2310 – Foundations of Education (3)

SPED 2100 – Survey of Students with Exceptionalities (3)

Foundation Courses (27 hours)

BIOL 1510/1511 – General Biology II and Lab (4)

CHEM 1143/1144 – General Chem II and Lab (4)

CHEM 3531/3532 – Organic Chem I and Lab (4)

CHEM 3533/3534 – Organic Chem II and Lab (4)

PHYS 1200 – Earth and Space Science (3)

PHYS 2141/2142 – Interm. Physics I and Lab (4)

PHYS 2143/2144 – Interm. Physics II and Lab (4)

Biology Core Courses (42 hours)

BIOL 3099 – Biology Junior Seminar (3)

BIOL 3316/3317 – Plant Diversity and Lab (3)

BIOL 3320/3321 – Animal Diversity and Lab (3)

BIOL 3322/3323 – Ecology and Lab (4)

BIOL 3340 – Genetics (3)

BIOL 3360/3361 – Comparative Anatomy and Lab (4)

BIOL 3370/3371 – Cell Biology and Lab (4)

BIOL 4080 – Special Topics in Biology (3)

BIOL 4430/4431 – Microbiology and Lab (4)

BIOL 4450/4451 – Animal Physiology and Lab (4)

OR

BIOL 4460/4461 – Plant Physiology and Lab (4)

BIOL 4490 – Undergraduate Research I (1)

BIOL 4492 – Undergraduate Research II (1)

STAT 4219 – Statistical Methods (3)

Upper Division Education Courses (23 hours)

EDUC 3440 – Education Psychology II (3)

EDUC 4301 – Secondary Microteaching 1 (1)

EDUC 4302 – Secondary Microteaching 2 (1)

EDUC 4330 – Principles of Science Education (3)

EDUC 4340 – Teaching Secondary School Science (3)

EDUC 4999 – Student Teaching: Sr Capstone (12)

Minimum Total 135

Students must earn a “C” or better in all general education courses.

*Fine Arts or Social Science must be a non-western course.

Advising guide updated 12.12.2019