

Advising Guide for Freshman & Sophomore

Chemistry with Teacher Education

Chemistry 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 (4)

MATH 2290 – Calculus I (4)

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

(90 hours)

Education Foundation Courses (6 hours)

EDUC 2310 – Foundations of Education (3)

SPED 2100 – Survey of Students with Exceptionalities (3)

Minimum Total 129

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

Foundation Courses (35 hours)

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

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

CHEM 3233/3234 – Analytical Chem and Lab (4)

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

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

MATH 2292 – Calculus II (4)

PHYS 1200 – Earth and Space Science (3)

PHYS 2171/2172 – University Physics I (4)

PHYS 2181/2182 – University Physics II (4)

Chemistry Core Courses (25 hours)

BIOL 4080 – Special Topics in Biology (3)

CHEM 3099 – Chemistry Jr Seminar (3)

CHEM 3641/3642 – Physical Chem I and Lab (4)

CHEM 3643/3644 – Physical Chem II and Lab (4)

CHEM 5145/5146 – Environ Chem and Lab (4)

CHEM 4331/4332 – Biochemistry and Lab (4)

STAT 4219 – Statistical Methods (3)

Upper Division Education Courses (23 hours)

EDUC 3440 – Education Psychology II (3)

EDUC 4330 – Principles of Science Educ. (3)

EDUC 4340 – Teaching Secondary School Science (3)

EDUC 4301 – Secondary Microteaching 1 (1)

EDUC 4302 – Secondary Microteaching 2 (1)

EDUC 4999 – Student Teaching: Sr Capstone (12)

Chemistry Selective (1 hour)

Select one of the following:

CHEM 4962 – Undergrad Research Exper (2)

CHEM 4990 – Chemistry Research (1-3)

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Students must earn a "C" or better in all general education courses. *One non-western or diversity course required to be completed in either Hum/FA or SocSci. Advising guide updated 9.13.2019