

Academic Plan: Chemistry Education with Secondary Teaching Licensure

The following is a sample outline for completion of this bachelor's degree AND state-required courses for becoming a licensed teacher (completion of licensing often requires semester(s) beyond four years). Each student's reality will vary slightly, as this plan does not include transfer work, Advanced Placement (AP), or concurrent enrollment credits. Math and English placement will be based on the student's ACT/SAT scores.

PLEASE NOTE: The following plan assumes students are prepared to take the Math course listed. If prerequisites are required, additional semesters may be required to complete the degree.

While every effort has been made to align this sample with departmental offerings and recommendations, this is a GUIDE ONLY. Please meet with your academic advisor and consult DegreeWorks for specifics.

<p>1st Year Fall (17 credits) CHEM 1210/15 Principles of Chemistry I/Lab (5) MATH 1210 Calculus (4) ENGL 1010 Intro to Academic Writing (3) LM 1010 Information Literacy (1) CSIS 1000 Intro to Computers & Internet (3) EDGE 1010 Becoming an Engaged Learner (1)</p>	<p>1st Year Spring (18 credits) CHEM 1220/25 Principles of Chemistry II/Lab (5) MATH 1220 Calculus II (4) Fine Arts Knowledge Area (3) Life Science Knowledge Area (3) American Institutions (3)</p>
<p>2nd Year Fall (16-17 credits) CHEM 2310/15 Organic Chemistry I/Lab (5) CHEM 3000/05 Quantitative Analysis/Lab (4) Minor course* (3-4) EDUC 3000 Principles of Teaching and Learning (3) EDGE 30XX Project Proposal & Planning* (1)</p>	<p>2nd Year Spring (15-16 credits) CHEM 2320/25 Organic Chemistry II/Lab (5) ENGL 2010 Intermediate Writing (3) Minor course* (3-4) SCED 3400 Educating Diverse Populations (3) EDGE 40XX Project Reflection & Synthesis* (1)</p>
<p>3rd Year Fall (14-15 credits) CHEM 2010 Chemical Lab Safety (1) CHEM 3160 Intermediate Inorganic Chemistry (3) CHEM 3610/15 Physical Chemistry I/Lab (4) Minor course* (3-4) EDUC 3200 Educational Psychology (3)</p>	<p>3rd Year Spring (13-16 credits) CHEM 3620/25 Physical Chemistry II/Lab (4) CHEM 4240 Analysis Lab (2) CHEM 4900 Chemical Literature & Seminar (1) Minor course* (3-4) EDUC 3180 Instructional Technology (3)</p>
<p>4th Year Fall (14-16 credits) Humanities Knowledge Area (3) PSCI 4900 Teaching Science in Secondary Schools (2) Minor course* (3-4) Minor course* (3-4) SPED 3030 Educating Exceptional Students (3)</p>	<p>4th Year Spring (12 credits) Social/Behavioral Science Knowledge Area (3) SCED 3570 Secondary Classroom Management (3) SCED 3590 Planning, Delivery, & Assessment (3) SCED 3720 Content Area Lit. & Common Core (3)</p>
<p>5th Year—Fall (Student Teaching, 12 credits) SCED 4520 Practicum/Induction Seminar (2) SCED 4980 Secondary Student Teaching (8) PSCI 4980 Student Teaching in Physical Science (2)</p>	<p>(*) Options available—see catalog General Education Courses (green) Major-required courses that also fulfill GE requirement (purple) Major Course (black) Electives/minor/etc. (red) EDGE Program Courses (orange) Secondary Education Licensing Requirement (blue)</p>