

CHEMISTRY MAJOR with a Second Major in SECONDARY EDUCATION
Concentration VII: Chemistry Education
 (for students earning licensure to teach chemistry)

A similar but different option to licensure is:

Conc V: General Program in Chemistry with SEED minor PLUS 5th year Masters in Education

Talk with Dr. Reisner for the latest updates on these two options

Typical Schedule (*TENTATIVE - Expect changes, consult with Dr. Reisner*)

<p>First Year Fall [17 cr]</p> <p>CHEM 131^{ap} (General Chemistry I, C3PP)[3] CHEM 135L (Spec Gen Chem Lab I,C3L) [1] MATH 235 (Calculus I, C3QR) [4] WRTC 101 (Crit Reading & Writing,C1W) [3] PSYC 160 (Life Span Human Dev, C5SD)[3] General Education C1CT or C1HC [3]</p> <p>^{ap}If AP Chem = 3-5, CHEM 131/132 [6]</p>	<p>First Year Spring [15 cr]</p> <p>CHEM 132^{ap} (General Chemistry II) [3] CHEM 136L (Special Gen Chem Lab II) [2] MATH 236 (Calculus II) [4] EDUC 300 (Foundations of Amer Ed) [3] General Education C1HC or C1CT [3]</p> <p>^{ap}If CHEM 131/132 is complete, consider CHEM 270 [3]</p>
<p>Second Year Fall [17cr]</p> <p>CHEM 241 (Organic Chemistry I) [3] CHEM 287L (Int Inorganic/Organic Lab I) [2] ISCI 173 (Life&Env Sci for Teachr,C3NS) [3] EDUC 310 (Teaching in a Diverse Soc) [3] 2 General Education (C2, C4G E, C5W) [6]</p>	<p>Second Year Spring [17cr]</p> <p>CHEM 242 (Organic Chemistry II) [3] CHEM 270 (Inorganic Chemistry I) [3] CHEM 288L (Int Inorganic/Organic Lab II) [2] EDUC 165 (Social Fndtn of Exceptionalities) [3] MSSE 240 (Foundations in General Ed) [3] General Education (C2, C4GE, C5W) [3]</p>
<p>Third Year Fall [16-17 cr]</p> <p>*CHEM 325 (Chem Haz & Lab Safety) [1] CHEM 351 (Analytical Chemistry) [4] CHEM 481 (Literature & Seminar I) [1] PHYS 240 (University Physics I) [3] PHYS 240L (University Physics Lab I) [1] LED 440 (Literacy-Based Learning) [3] General Education C4AE [4]</p>	<p>Third Year Spring [16 cr]</p> <p>CHEM 331 (Physical Chemistry I) [3] CHEM 336L (Applied Physical Chem Lab) [2] PHYS 250 (University Physics II) [3] PHYS 250L (University Physics Lab II) [1] MSSE 425 (Assessment in Education) [3] MSSE 470S (Teaching Methods Grades 6-8) [3] MSSE 471S (Field Exper in Middle School) [1]</p>
<p>Fourth Year Fall [17-18 cr]</p> <p>*CHEM 325 (Chem Haz & Lab Safety) [1] CHEM 361 (Biochemistry I) [3] MSSE 460 (Diff for Adolescents) [3] MSSE 480S (Content Methods 9-12) [2] MSSE 481S (Content Placement 9-12) [1] MSSE 497S (Science Pedagogy) [2] 2 General Education (C2, C4GE, C5W) [6]</p>	<p>Fourth Year Spring [15 cr]</p> <p>MSSE 303 (Classroom Management) [3] MSSE 450 (Internship Seminar) [2] MSSE 475 (Internship in Middle & 2^{ndary} Ed) [8] MSSE 495 (Topics in Sci Pedagog Content) [2]</p>

**CHEM 325 is offered only in Fall of odd years.*

Students are strongly encouraged to get involved in undergraduate research. Students typically begin research by taking CHEM 390. Chemistry Education projects are available for research credit.