

CHEMISTRY MAJOR
Concentration IV: American Chemical Society Accredited
Chemical Education Program
Typical Schedule (*TENTATIVE - Expect changes, consult with your advisor*)
The education requirements change frequently;
it is important to discuss your plans for Chem Ed with Dr. Reisner

<p>First Year Fall (14-17 cr)</p> <p>CHEM 131^{ap} (General Chemistry I) [3] CHEM 135L (Special Gen Chem Lab I) [1] MATH 235 (Calculus I) [4] GenEd Cluster 1 [3] WRTC 103 &/or other GenEd [3-6]</p> <p>^{ap}If CHEM AP=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] GenEd Cluster 1 [3] PSYC 160 (Life Span human Dev, C5SD) [3]</p> <p>^{ap}If CHEM 131/132 is complete, consider CHEM 270 [3]</p>
<p>Second Year Fall (15-17 cr)</p> <p>CHEM 241 (Organic Chemistry I) [3] CHEM 287L (Inorganic/Organic Lab I) [2] PHYS 240 (University Physics I) [3] PHYS 240L (University Physics Lab I) [1] GenEd &/or electives^e [6-8]</p>	<p>Second Year Spring (15 cr)</p> <p>CHEM 242 (Organic Chemistry II) [3] CHEM 270 (Inorganic Chemistry I) [3] CHEM 288L (Inorganic/Organic Lab II) [2] PHYS 250 (University Physics II) [3] PHYS 250L (University Physics Lab II) [1] EDUC 300 (Foundations of Am Ed) [3]</p>
<p>Third Year Fall</p> <p>CHEM 325* (Chem Hazards & Lab Safety)[1] CHEM 351 (Analytical Chemistry) [4] CHEM 361 (Biochemistry I) [3] CHEM 481 (Literature & Seminar I) [1] BIO^{ed} elective, GenEd &/or electives^e [6-7]</p> <p>^{ed}BIO 140 suggested; <i>not BIO 103.</i> ^eSuggestions: Research [1-2], Math 220 [3]</p>	<p>Third Spring</p> <p>CHEM 331 (Physical Chemistry I) [3] CHEM 482 (Literature & Seminar II) [1] Practicum I (a block of 3 COE classes) [7] GEOL 355 (GeoChem) or other GEOL^{ed} [3-4] GenEd &/or electives^e [1-3]</p> <p>^{ed}<i>not GEOL 102 or 115.</i> ^eSuggestions: Research [1-2]</p>
<p>Fourth Fall</p> <p>CHEM 325* (Chem Hazards & Lab Safety)[1] CHEM 432 (Physical Chemistry II) [3] CHEM 438L (Physical Chemistry II Lab) [2] GenEd &/or electives^e [10-12]</p> <p>^eSuggestions: Research</p>	<p>Fourth Spring</p> <p>CHEM 352 (Instrumental Analysis) [3] CHEM 352L (Instrumental Analysis Lab) [2] Practicum II (a block of 3 COE classes) [9] GenEd &/or electives^e [1-3]</p> <p>^eSuggestions: Research</p>

*CHEM 325 Chemical Hazards & Lab Safety is offered only in Fall of odd years

^e **Chemistry elective courses include:** Research (CHEM 390,497,499), Instructional Experiences (CHEM 315), Environmental Chem (CHEM 353-Sp,odd), Environmental Field Camp (CHEM 354-Su), GeoCHEM (CHEM 355-F), BioChem II (CHEM 362,366L-Sp), Materials (CHEM 375-F), PChem II (CHEM432-F), Intermediate Organic (CHEM 440-F,even), Polymers (CHEM 445,445L-F,odd), Nuclear (CHEM 450,450L-Sp,even), Lasers (CHEM 455-F even), Inorganic II (470 -F), etc. [See Undergrad Catalog]