

# Chemistry Major Program

Science A Chemistry	<p>36 credits with these required course:            6 credits introductory CHEM 101/101 <input type="checkbox"/> or CHEM 121/122 <input type="checkbox"/> 3 credits analytical CHEM 265 <input type="checkbox"/>            3 credits inorganic CHEM 245 <input type="checkbox"/>            6 credits organic CHEM 221/222 <input type="checkbox"/>            3 credits physical CHEM 231 <input type="checkbox"/>            3 credits structural CHEM 325 <input type="checkbox"/>            6 credits from the list of 3 credit CHEM courses below <input type="checkbox"/></p> <p style="text-align: center;">_____</p> <p style="text-align: center;">255-Biochemistry, 321 Intermediate Organic, 322-Heterocyclic, 331-Quantum (<i>note that this requires 232 be taken also</i>),            332-Statistical Thermo, 341-Inorganic &amp; Theoretical I, 342-Inorganic &amp; Theoretical II, 355-Advanced Biochemistry,            361-Analytical Spectroscopy, 362-Separations &amp; Analysis, 421-Physical Organic, 422-Advanced Organic</p> <p>6 credits in Chemistry or another Science _____ <input type="checkbox"/>            Students must also <b>complete</b> the junior <b>and</b> senior seminars CHEM 391 <input type="checkbox"/> and CHEM 491 <input type="checkbox"/> - non-credit courses</p>
Science B	12 credits: a Science other than Science A or Science C _____ <input type="checkbox"/> _____ <input type="checkbox"/>
Science C	6 credits: a Science other than Science A or Science B _____ <input type="checkbox"/> ( <b>NOTE:</b> Science B or C must be Mathematics and include MATH 106/107 or 121/122 or 126/127 (calculus I/II))
Arts X	12 credits: a second Humanities or Social Science discipline _____ <input type="checkbox"/> _____ <input type="checkbox"/>
Arts Y	6 credits: a third Humanities or Social Science discipline _____ <input type="checkbox"/>
Approved electives	18 credits: from Science, MATH, CSCI, STAT courses and PHIL 210 _____ <input type="checkbox"/> _____ <input type="checkbox"/> _____ <input type="checkbox"/> _____ <input type="checkbox"/>
Open elective	30 credits: any Arts or Science courses _____ <input type="checkbox"/> _____ <input type="checkbox"/> _____ <input type="checkbox"/> _____ <input type="checkbox"/> _____ <input type="checkbox"/> _____ <input type="checkbox"/>

**Requirements:**

Physics 121/122 must be taken as an approved or open elective.