

## ACS Certified Major Requirements\*

Chemistry concentrations that lead to ACS-certified bachelor's degree: Chemical Concentration

### 1. INTRODUCTORY COURSES:

Course Number	Course Title	Course Completed
CHEM 1101	Introductory Chemistry I	<input type="checkbox"/>
CHEM 1102	Introductory Chemistry II	<input type="checkbox"/>
CHEM 1109	General Chemistry	<input type="checkbox"/>

\*Requirements are CHEM 1101/1091 and CHEM 1102/1092 or CHEM 1109

### 2. FOUNDATION COURSES:

Course Number	Course Title	Course Completed
CHEM 2100	Chemical Analysis	<input type="checkbox"/>
CHEM 2250	Organic Chemistry I	<input type="checkbox"/>
CHEM 2320	Biochemistry	<input type="checkbox"/>
CHEM 2400	Inorganic Chemistry	<input type="checkbox"/>
CHEM 2510	Thermodynamics & Kinetics	<input type="checkbox"/>

### 3. IN-DEPTH COURSES:

Course Number	Course Title	Course Completed
CHEM 2260	Organic Chemistry II (R)	<input type="checkbox"/>
CHEM 2520	Quantum Chemistry & Spectroscopy (R)	<input type="checkbox"/>
CHEM 3100	Instrumental Analysis (R)	<input type="checkbox"/>
CHEM 3270	Biomimetic & Supramolecular (R)	<input type="checkbox"/>
CHEM 3310	Chemical Biology (E)	<input type="checkbox"/>
CHEM 3400	Advanced Inorganic Chemistry (R)	<input type="checkbox"/>

\*R=Required or E=Elective.

### 4. RESEARCH:

Course Number	Course Title	Course Completed
CHEM 4001	Advanced Independent Study	<input type="checkbox"/>
CHEM 4002	Advanced Independent Study	<input type="checkbox"/>

\*Only one 4000 level course may count toward the major.

### 5. PHYSICS AND MATHEMATICS COURSES:

Course Number	Course Title	Course Completed
PHYS 1130	Introductory Physics I	<input type="checkbox"/>
PHYS 1140	Introductory Physics II	<input type="checkbox"/>
MATH 1600	Differential Calculus	<input type="checkbox"/>
MATH 1700	Integral Calculus	<input type="checkbox"/>
MATH 1800	Multivariate Calculus	<input type="checkbox"/>

\*One math class 1700 or higher is required for the major.

\*Subject to change as ACS, CPT guidelines change. Please check with your advisor.