

## CHEMISTRY

### Associate in Science in General Science

<u>Recommended Sequence</u>	<u>Credits</u>
<b>First semester (Fall)</b>	
<input type="checkbox"/> ENG 140 English Composition I	3
<input type="checkbox"/> CHE 164 General Chemistry I	4
<input type="checkbox"/> BIO 162 General Biology I	4
<input type="checkbox"/> MAT 141 Precalculus*	3
	<b>14</b>
<b>Second semester (Spring)</b>	
<input type="checkbox"/> ENG 141 English Composition II	3
<input type="checkbox"/> CHE 165 General Chemistry II	4
<input type="checkbox"/> BIO 163 General Biology II	4
<input type="checkbox"/> MAT 201 Calculus I	4
	<b>15</b>
<b>Third semester (Fall)</b>	
<input type="checkbox"/> CHE 210 Organic Chemistry I	4
<input type="checkbox"/> MAT 202 Calculus II	4
<input type="checkbox"/> ____ GE Social Science Elective (3A)	3
<input type="checkbox"/> ____ GE Humanities Elective (3B)	3
	<b>14</b>
<b>Fourth semester (Spring)</b>	
<input type="checkbox"/> CHE 211 Organic Chemistry II	4
<input type="checkbox"/> MAT 151 Statistics	3
<input type="checkbox"/> ____ Laboratory Science Elective	4
<input type="checkbox"/> ____ GE Soc. Sci./Hum Elective (3)	3
<input type="checkbox"/> ____ Free Elective	3
	<b>17</b>
<b>Total Credits Needed for Degree</b>	<b>60</b>

\*Enrollment by exam or prerequisite.

### General Education Requirements for A.S.

#### 1. COMMUNICATION

**Must complete 6 credits from the following:**

- ENG-140      ENG-141      COM-143 or COM-105

#### 2. MATHEMATICS – SCIENCE – TECHNOLOGY

**Must complete 9 credits as specified by category:**

##### **A. Mathematics (3-6 credits)**

- MAT-110      MAT-111      MAT-131  
MAT-141      MAT-150      MAT-151

##### **B. Science (4-8 credits)**

- BIO-145      BIO-150      BIO-162      BIO-163  
BIO-165      BIO-170      BIO-176      BIO-262  
CHE-110      CHE-164

##### **C. Technology (0-4 credits)**

- CSC-102      CSC-103      CSC-112

#### 3. SOCIAL SCIENCE – HUMANITIES

**Must complete a total of 9 credits from A & B with at least 3 credits in each category:**

##### **A. Social Science (3-6 credits)**

- ANT 289      ECO-188      ECO-189      GEO-105  
POL -101      POL -115      POL-201      PSY-101  
PSY-175      SOC-103      SOC-202

##### **B. Humanities (3-6 credits)**

- ART-101      ART-105      ART-106      ART-107  
ENG-199      ENG-201      ENG-202      ENG-240  
ENG-241      ENG-242      FOR-101      FOR-103  
FOR-133      FOR-151      FOR-201      FOR-251  
HIS-101      HIS-102      HIS-113      HIS-114  
HIS-220      HIS-225      HIS-250      HIS-260  
MUS-191      MUS-211      PHI-101      PHI-102  
PHI -103      PHI-204      PHI-261      THE-193

## **CHEMISTRY**

### **Associate in Science in General Science**

The Associate in Science in General Science, Chemistry Option is recommended for students with an interest in chemistry or biochemistry and considering career paths involving environmental chemistry, forensics, chemical engineering, or geological chemistry. This program option provides a strong foundation in chemistry and mathematics, as well as electives for students to tailor the program to meet their goals.

The objectives of this program are to prepare students to enter the second half of a prescribed program in the areas referenced above at a four-year institution and provide knowledge and skills to allow graduates to major in chemistry at a four-year college or university.

#### **Elective Categories:**

Students may select courses from any of the disciplines listed below each category to full-fill any remaining degree requirements above and beyond their General Education Requirements.

##### **SOCIAL SCIENCE:**

ANT CRJ ECO POL PSY SOC

##### **HUMANITIES:**

ART COM FOR ENG\* HIS MUS PHI THE

\* Literature Elective must be ENG-199, 201, 202, 205, 240, 241, 242, 244, 245

##### **BUSINESS:**

ACC BUS COM121 CSC ECO GRD LST

##### **LIBERAL ARTS:**

ANT ART BIO COM CHE CRJ ECO

ENG\* FOR HIS MAT MUS PHI PHY

POL PSY SOC THE

\* Literature Elective must be ENG-199, 201, 202, 205, 240, 241, 242, 244, 245

##### **FREE:**

Any college-level (100+) course that is not required as part of the degree program