B.A. Chemistry
Full-time students, 4 – 5 year degree program

- Lecture course (A with lab; A^A with lab and activity)
- Lab course
- Course not required for degree
- Physics (P) prerequisite needed

Recommended schedule: 12 – 15 units per semester for full-time students

Courses:
- CHEM 115A (4)
- CHEM 190 (1)
- MATH 125 (5)
- MATH 150A (4)
- MATH 150B (4)
- PHYS 211 (3)
- PHYS 211L (1)
- PHYS 212 (3)
- PHYS 212L (1)
- CHEM 120A (5)
- CHEM 120B (5)
- CHEM 301A (3)
- CHEM 301B (3)
- CHEM 306A (2)
- CHEM 306B (2)
- CHEM 315 (3)
- CHEM 316 (2)
- CHEM 325 (3)
- CHEM 361A (3) P
- CHEM 421 (3)
- CHEM 495/499 (3)
- CHEM ELECTIVES (3)

Other resources:
- Academic Advisement Center (GE), UH-123, 657-278-3606
- Health Professions Advising, UH-223, 657-278-3980
B.A. Chemistry Degree Requirements

The Bachelor of Arts in Chemistry is offered for students who are planning careers that require a sound background in fundamental chemistry, but not the specialized training needed by a professional chemist. The B.A. program is particularly suited for those who plan to go into areas such as secondary education, technical sales, food processing, chemical patent law, forensic science, environmental law, and business administration (MBA).

The following is a list of the required courses for the B.A. in Chemistry:

### Chemistry Courses

<table>
<thead>
<tr>
<th>Course number</th>
<th>Course title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chem 120 A, B</td>
<td>General Chemistry</td>
<td>10</td>
</tr>
<tr>
<td>Chem 190</td>
<td>Career Options in Chemistry and Biochemistry</td>
<td>1</td>
</tr>
<tr>
<td>Chem 301 A, B</td>
<td>Organic Chemistry</td>
<td>6</td>
</tr>
<tr>
<td>Chem 306 A, B</td>
<td>Organic Chemistry Laboratory</td>
<td>4</td>
</tr>
<tr>
<td>Chem 315, 316</td>
<td>Quantitative Chemistry with Laboratory</td>
<td>5</td>
</tr>
<tr>
<td>Chem 325</td>
<td>Inorganic Chemistry</td>
<td>3</td>
</tr>
<tr>
<td>Chem 361 A, B*</td>
<td>Introduction to Physical Chemistry</td>
<td>6</td>
</tr>
<tr>
<td>Chem 421</td>
<td>Biological Chemistry</td>
<td>3</td>
</tr>
<tr>
<td>Chem 495 / 499</td>
<td>Senior Research</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Chemistry electives</td>
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</table>

### Related Courses

<table>
<thead>
<tr>
<th>Course number</th>
<th>Course title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Phys 211, 212*</td>
<td>Elementary Physics</td>
<td>6</td>
</tr>
<tr>
<td>Phys 211 L, 212 L*</td>
<td>Elementary Physics Laboratory</td>
<td>2</td>
</tr>
<tr>
<td>Math 150 A, B</td>
<td>Analytical Geometry and Calculus</td>
<td>8</td>
</tr>
</tbody>
</table>

* The following substitutions are acceptable and depending on your career goals, may be recommended:
  
Chem 371 A, B for Chem 361 A, B
Phys 225, 226 for Phys 211, 212
Phys 225 L, 226 L for Phys 211 L, 212 L