Chemistry BA at a Glance

Program Overview:

The Bachelor of Arts degree is designed for students who are preparing for a career in medicine, pharmacy, dentistry, or other health professions, secondary science education, or other careers that require a strong general background in Chemistry. The BA program is organized into a standard BA degree and four areas of concentration (biochemistry, environmental chemistry, forensic chemistry, and chemical education). BA majors have both required and elective upper division courses. Students have the option to work with the Department’s faculty members in their research labs. Some students present the results of their research at national conferences and publish them in journals. The Department’s many laboratories are well equipped with state-of-the-art instrumentation.

Prerequisites:

<table>
<thead>
<tr>
<th>Course</th>
<th>Course Title</th>
<th>Course</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHM 1045</td>
<td>General Chemistry I</td>
<td>MAC 2311</td>
<td>Calculus I</td>
</tr>
<tr>
<td>CHM 1045L</td>
<td>General Chemistry I Lab</td>
<td>MAC 2312</td>
<td>Calculus II</td>
</tr>
<tr>
<td>CHM 1046</td>
<td>General Chemistry II</td>
<td>PHY 2048</td>
<td>Physics with Calculus I</td>
</tr>
<tr>
<td>CHM 1046L</td>
<td>General Chemistry II Lab</td>
<td></td>
<td>or</td>
</tr>
<tr>
<td>CHM 2210</td>
<td>Organic Chemistry I</td>
<td>PHY 2053</td>
<td>Physics without Calculus I</td>
</tr>
<tr>
<td>CHM 2210L</td>
<td>Organic Chemistry I Lab</td>
<td>PHY 2048L</td>
<td>General Physics Lab I</td>
</tr>
<tr>
<td>CHM 2211</td>
<td>Organic Chemistry II</td>
<td>PHY 2049</td>
<td>Physics with Calculus II</td>
</tr>
<tr>
<td>CHM 2211L</td>
<td>Organic Chemistry II Lab</td>
<td></td>
<td>or</td>
</tr>
<tr>
<td>BSC 2010</td>
<td>General Biology I</td>
<td>PHY 2054</td>
<td>Physics without Calculus II</td>
</tr>
<tr>
<td>BSC 2010L</td>
<td>General Biology I Lab</td>
<td>PHY 2049L</td>
<td>General Physics Lab II</td>
</tr>
</tbody>
</table>
Available Concentrations:

Biochemistry Concentration
Forensic Chemistry Concentration

Careers/Job Opportunities:

In addition to professional health careers, the following career fields may also be obtained with a BA in Chemistry. Typically the BS is recommended for most of these careers, however, some employers will accept BA degrees.

- Biotechnology
- Food Chemistry
- Process Chemistry
- Water Chemistry
- Quality Assurance
- High School Chemistry or Science Teacher
- Geochemistry
- Consulting
- Materials Science
- Human Resources
- Regulatory Affairs
- Health and Safety

Recommended Minors, Certificates, or Second Majors:

- Anthropology
- Agroecology Certificate
- Biology
- Criminal Justice
- Environmental Studies
- Health Services Administration
- Nutrition
- Physics
- Psychology
- Sociology

Advising Contact Information:

CASE STEM Advising Center
MMC: OE 163 | 305-348-2978 | chemistry@fiu.edu

Helpful Links:

Department Website: http://chemistry.fiu.edu

CASE Advising Website: http://caseadvising.fiu.edu

MyMajor Website: http://mymajor.fiu.edu

College Requirements:

- All majors in the college must complete 45 credits of upper division prior to graduation. Upper division courses are 3000/4000 level courses, major courses and outside electives can count towards this requirement.
- No 1 and 2-credit physical activity courses can be counted towards the 120 credits needed for graduation.