2015-2016 Catalog Year - MAPP
Biomedical Engineering (BSE)

**ASU Major**

Biomedical Engineering, BSE - [Ira A. Fulton Schools of Engineering]

**Special Requirements**

Completion of the Maricopa to ASU Engineering Pathway and all special requirements meets ASU major map requirements and guarantees admission to the Biomedical Engineering BSE degree program. Note: Engineering Core Courses should be completed prior to enrolling in any additional lower division requirement courses. While requirements listed will meet ASU degree requirements, only 64 credit hours are transferable to ASU. Special Requirements: 3.0 transfer GPA as calculated by ASU for admissions. All courses must be completed with a grade of “C” or better.

**Maricopa Community College District Course Requirements**

<table>
<thead>
<tr>
<th>Required Courses</th>
<th>Pathway AGEC-S Program</th>
<th>ASU ASU Min. Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Engineering Core</strong></td>
<td>Credits</td>
<td>Reqs</td>
</tr>
<tr>
<td>CHM 150: General Chemistry I AND</td>
<td>4-5</td>
<td></td>
</tr>
<tr>
<td>CHM 151LL: General Chemistry I Laboratory</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CHM 1151 OR</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CHM 151: General Chemistry I</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CHM 151 AND</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CHM 151LL: General Chemistry I Laboratory</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CHM 1151 OR</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CHM 150AA: General Chemistry I</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CHM 1151 OR</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CHM 151AA: General Chemistry I</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CHM 1151 AND</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CHM 152: General Chemistry II</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>AND</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Page 1
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHM 152LL:</td>
<td>General Chemistry II Laboratory</td>
<td>SIX</td>
<td></td>
</tr>
<tr>
<td>ECE 102:</td>
<td>Engineering Analysis Tools AND</td>
<td>4</td>
<td>C</td>
</tr>
<tr>
<td>ECE 103:</td>
<td>Engineering Problem Solving AND</td>
<td></td>
<td></td>
</tr>
<tr>
<td>EGR 1102</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ENG 101:</td>
<td>First-Year Composition</td>
<td>3</td>
<td>C</td>
</tr>
<tr>
<td>ENG 102:</td>
<td>First-Year Composition</td>
<td>3</td>
<td>C</td>
</tr>
<tr>
<td>MAT 220:</td>
<td>Calculus With Analytic Geometry I</td>
<td>4-5</td>
<td>C</td>
</tr>
<tr>
<td>MAT 221:</td>
<td>Calculus With Analytic Geometry I</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MAT 231:</td>
<td>Calculus With Analytic Geometry II</td>
<td>4</td>
<td>C</td>
</tr>
<tr>
<td>MAT 241:</td>
<td>Calculus With Analytic Geometry III</td>
<td>4</td>
<td>C</td>
</tr>
</tbody>
</table>
### Additional Lower Division Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHM 230: Fundamental Organic Chemistry</td>
<td>4</td>
<td>C</td>
</tr>
<tr>
<td>CHM 2230 AND CHM 230LL: Fundamental Organic Chemistry Laboratory</td>
<td>3</td>
<td>C</td>
</tr>
<tr>
<td>CHM 235: General Organic Chemistry I</td>
<td>3</td>
<td>C</td>
</tr>
</tbody>
</table>

Additional Lower Division Requirements:
- Students should complete CHM230/230LL or CHM 235/235LL, ECE 111, EEE 202 and CSC 100 before taking other courses.
ASU will accept transfer credit for traditional course work you have successfully completed at regionally accredited institutions of higher education. The applicability of the specific course toward a degree depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Students are responsible for working with their advisor to confirm all transfer transcripts are on file with ASU. For more information: [https://transfer.asu.edu/credits](https://transfer.asu.edu/credits)