### Bachelor of Science in Chemical Engineering - (B.S.Ch.E.) - Required Chemical & Biological Engineering (CBE) Courses

<table>
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<tr>
<th>Freshman Year</th>
<th>Sophomore Year</th>
<th>Junior Year</th>
<th>Senior Year</th>
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<td>FALL or SPRING</td>
<td>FALL</td>
<td>SPRING</td>
<td>FALL</td>
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</tbody>
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- **CBE 101**
  - Pre-Reqs: CHEM 1225 or 132, 1225L, PHYS 1310

- **CBE 251**
  - Pre-Reqs: MAEE 1225 or 122, 1225L, PHYS 1310

### Required Courses

- **CBE 253**
- **CBE 302**
- **CBE 311** (Pre-Req: MATH 316)
- **CBE 317** (Pre-Req: MATH 316)
- **CBE 318L**
- **CBE 312**
- **CBE 321**
- **CBE 361**
- **CBE 371**
- **CBE 393L**

### Bachelor of Science in Chemical Engineering - (B.S.Ch.E.) - Required Chemical & Biological Engineering (CBE) Courses

- **CBE 418L**
- **CBE 454**
- **CBE 419L**
- **CBE 451**
- **CBE 494L**
- **CBE 461**
- **CBE 493L**
- **CBE 486**

**NOTE:** The CBE courses listed on this flowchart are only offered during the semester in which they are listed here.

Arrows indicate pre-requisites. For example, CBE 251 is a pre-requisite to CBE 253 and CBE 302.