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

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>CBE 101</td>
<td>Intro to CBE</td>
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### Mathematics (MATH)

- Calculus (MATH 1512, 1522, 2530, 316)
- Applied Ordinary Differential Equations (MATH 301/303L)
- Gen Chem for STEM Majors or Principles of Chem (CHEM 1215 or 1215L, 1225 or 132)/1225L

### Chemistry (CHEM)

- Calculus-based Physics (CHEM 1310, 1320, 1311*, 1321*)
- Physical Chemistry (CHEM 312)
- Organic (CHEM 302)
- Principles of Biology: Cellular & Molecular Lecture & Lab (BIOL 2110C)

### Physics (PHYS)

- Communication (ENGL 1120)

### Humanities

- Composition II (ENGL 1120)

### General Education (GEN ED)

- Social & Behavioral Sciences (GEN ED)
- General Education (GEN ED)
- Engineering Economy (CE)
- Technical Elective

### Arts & Design

- Second Language

### CBE

- Chemical Reactor Engineering (CHEM 461)
- Advanced Chemical Engineering Design (CHEM 494L)
- Undergraduate Research (CHEM 491*)

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*Recommended, not required

With the exception of CBE 101 all CBE courses listed on this document are only offered during the semester in which they are listed here.

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*B.S. Ch.E. - Block Diagram

2019-2020 Catalog Year

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