### Junior Year - Undergraduate Degree

**SPRING SEMESTER**

<table>
<thead>
<tr>
<th>Semester/Year</th>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
<th>Grade</th>
<th>Applied toward BSCH?</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>CBE 501</td>
<td>Chemical &amp; Biological Engineering Seminar</td>
<td>1</td>
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</tbody>
</table>

Total Semester Hours: 1

### Senior Year - Undergraduate Degree

**FALL SEMESTER**

- Graduate Level Technical Elective (1)
- CBE 586 Introduction to Statistics and Design of Experiments
- CBE 501 Chemical & Biological Engineering Seminar

Total Semester Hours: 6

**SPRING SEMESTER**

- Graduate Level Technical Elective (1)

Total Semester Hours: 3

### First Year - MS in Chemical Engineering

**FALL SEMESTER**

- CBE 501 Chemical & Biological Engineering Seminar
- CBE 502 Chemical & Biological Engineering Research Practices
- CBE 521 Advanced Transport Phenomena I
- CBE 525 Methods of Analysis in Nuclear, Chemical & Biological Engr

Total Semester Hours: 10

**SPRING SEMESTER**

- CBE 501 Chemical & Biological Engineering Seminar
- CBE 542 Advanced Chemical Engineering Thermodynamics
- CBE 561 Kinetics of Chemical Processes
- Technical Elective (2)

Total Semester Hours: 10

Total Hours for MSCHE: 30

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(1) Technical electives are chosen from upper-division courses approved by the chemical engineering program advisors. A list of approved technical electives is available on the Department Web site. One of these electives must be a class taught from within the School of Engineering, and the other elective may be taught from within either the School of Engineering or the College of Arts and Sciences. The department requires that these courses be part of an approved concentration. The chairperson may allow up to 6 credit hours of technical electives for students taking required ROTC courses in aerospace or naval science. One technical elective can be replaced by a research project done under the supervision of a CBE faculty member and requires advance approval by the undergraduate advisor.

(2) This technical elective can be a CBE 551/552 Problems which is a project done under the direction of a faculty member. Must be approved prior to enrollment.