# B.S. in Chemical Engineering

(120 credits)

## First Year

### 1st Semester

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**Term Credits** 17

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**Total Credits**

120

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### CoOp Option A Track

(144 credits)

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**Term Credits**: 16

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**Term Credits**: 13

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**Term Credits**: 13

**Total Credits**: 144

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**CoOp Option B Track**

(144 credits)
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<td>Chemical Process Safety</td>
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<td>CHE 349</td>
<td>Kinetics and Reactor Design</td>
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<td>CHE 360</td>
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<td>CHE 365</td>
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<td>COM 313</td>
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<td>ENGR 410</td>
<td>Co-op Work Experience II</td>
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<td>CHE 489</td>
<td>Process Dynamics and Control</td>
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<td>Chemical Engineering Laboratory I</td>
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<td>IE 492</td>
<td>Engineering Management</td>
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<td>Technical Elective 1</td>
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<td>PHIL 334</td>
<td>Engineering Ethics and Technological Practice: Philosophical Perspectives on Engineering</td>
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<td>CHE 472</td>
<td>Process and Plant Design</td>
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<td>CHE 496</td>
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<td>Technical Elective 2</td>
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<td>Humanities and Social Science Senior Seminar GER [1]</td>
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1 Technical Electives: Student must complete 6 credits of technically oriented subject-related courses approved by his or her advisor. Acceptable subjects include, but are not limited to:
- (1) CHE 491 [1] Research and Independent Study I and CHE 492 [1] Research and Independent Study II
- (2) Courses taken within a Minor requirements
- (3) Graduate level course taken within BS/MS or BS/PHD program
- (4) Courses in ACCT, BME, CE, CHEM, CHEM 300/699, CPT, ECE, ENE, ENTR, EM, EPS, EVSC, FIN, HRM, MATH, MGMT, ME, MRKT, MTEN, MTSE, NANO, OM, PHB, PHEN, PHYS

* Students must take Math 225 (Special Section for CHE, CHEM and BIOL majors only) as a corequisite of CHEM 339.

See the General Education Requirements “Refer to the General Education Requirements for specific information for GER courses”

This curriculum represents the maximum number of credits per semester for which a student is advised to register. A full-time credit load is 12 credits. First-year students are placed in a curriculum that positions them for success which may result in additional time needed to complete curriculum requirements. Continuing students should consult with their academic advisor to determine the appropriate credit load.

See the General Education Requirements “Refer to the General Education Requirements for specific information for GER courses”

This curriculum represents the maximum number of credits per semester for which a student is advised to register. A full-time credit load is 12 credits. First-year students are placed in a curriculum that positions them for success which may result in additional time needed to complete curriculum requirements. Continuing students should consult with their academic advisor to determine the appropriate credit load.