CHEMICAL ENGINEERING, BSCH

Requirements for Students Matriculating in or before Academic Year 2018-2019. Learn more about University Academic Regulation 3.1 (http://catalog.okstate.edu/university-academic-regulations/#matriculation).

Minimum Overall Grade Point Average: 2.00
Total Hours: 130

<table>
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<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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<tr>
<td></td>
<td><strong>General Education Requirements</strong></td>
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<td>All General Education coursework requirements are satisfied upon completion of this degree plan</td>
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<td></td>
<td><strong>English Composition</strong></td>
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<td>See Academic Regulation 3.5 (<a href="http://catalog.okstate.edu/university-academic-regulations/#english-composition">http://catalog.okstate.edu/university-academic-regulations/#english-composition</a>)</td>
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<tr>
<td>ENGL 1113</td>
<td>Composition I</td>
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<tr>
<td>or ENGL 1313</td>
<td>Critical Analysis and Writing I</td>
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<tr>
<td>ENGL 1213</td>
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<tr>
<td>ENGL 1413</td>
<td>Critical Analysis and Writing II</td>
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<tr>
<td>ENGL 3323</td>
<td>Technical Writing</td>
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<tr>
<td></td>
<td><strong>American History &amp; Government</strong></td>
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<tr>
<td>HIST 1103</td>
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<tr>
<td>HIST 1483</td>
<td>American History to 1865</td>
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<td>HIST 1493</td>
<td>American History Since 1865</td>
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<tr>
<td>POLS 1113</td>
<td>American Government</td>
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<tr>
<td></td>
<td><strong>Analytical &amp; Quantitative Thought (A)</strong></td>
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<tr>
<td>MATH 2144</td>
<td>Calculus I (A)</td>
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<td>MATH 2153</td>
<td>Calculus II (A)</td>
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<td>MATH 2163</td>
<td>Calculus III (A)</td>
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<td><strong>Humanities (H)</strong></td>
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<td>Must include one Laboratory Science (L) course</td>
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<td>CHEM 1515</td>
<td>Chemistry II (LN)</td>
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<td>PHYS 2014</td>
<td>University Physics I (LN)</td>
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<td><strong>Social &amp; Behavioral Sciences (S)</strong></td>
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<td>Any course designated (S)</td>
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<td><strong>Diversity (D) &amp; International Dimension (I)</strong></td>
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<td>May be completed in any part of the degree plan</td>
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<td>Select at least one International Dimension (I) course</td>
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<td><strong>Basic Science</strong></td>
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<td>PHYS 2114</td>
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<td>ENGR 1111</td>
<td>Introduction to Engineering</td>
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<td>ENGR 1412</td>
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<td>ENSC 2113</td>
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<td>ENSC 2143</td>
<td>Strength of Materials</td>
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<tr>
<td>ENSC 2613</td>
<td>Introduction to Electrical Science</td>
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<td>ENSC 2213</td>
<td>Thermodynamics (A)</td>
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<td>ENSC 3233</td>
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<td>ENSC 3313</td>
<td>Materials Science</td>
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<td>STAT 2013</td>
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<td>STAT 2023</td>
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<td>Statistical Methods I (A)</td>
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<td>STAT 4033</td>
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<td>STAT 4053</td>
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<td>STAT 4073</td>
<td>Engineering Statistics with Design of Experiments</td>
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<tr>
<td>CHEM 3053</td>
<td>Organic Chemistry I (A)</td>
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<td>CHEM 3153</td>
<td>Organic Chemistry II (A)</td>
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<tr>
<td>CHEM 3112</td>
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<td>BIOC 3653</td>
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<td>BIOC 3723</td>
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<tr>
<td>MATH 2233</td>
<td>Differential Equations (A)</td>
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<td>Linear Algebra and Differential Equations</td>
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<td><strong>Chemistry</strong></td>
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<td>CHEM 3433</td>
<td>Physical Chemistry I</td>
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<td><strong>Chemical Engineering</strong></td>
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<td>CHE 2033</td>
<td>Introduction to Chemical Process Engineering (A)</td>
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<td>CHE 2581</td>
<td>Chemical Engineering Seminar I (A)</td>
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<td>Rate Operations I</td>
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<tr>
<td>CHE 3113</td>
<td>Rate Operations II</td>
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<tr>
<td>CHE 3123</td>
<td>Chemical Reaction Engineering</td>
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<td>CHE 3333</td>
<td>Introduction to Transport Phenomena</td>
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<td>CHE 3473</td>
<td>Chemical Engineering Thermodynamics</td>
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<td>CHE 3581</td>
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<td>CHE 4002</td>
<td>Chemical Engineering Laboratory I</td>
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<td>CHE 4112</td>
<td>Chemical Engineering Laboratory II</td>
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<td>CHE 4124</td>
<td>Chemical Engineering Design I</td>
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<td>CHE 4224</td>
<td>Chemical Engineering Design II</td>
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<td>CHE 4581</td>
<td>Chemical Engineering Seminar III</td>
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<tr>
<td>CHE 4843</td>
<td>Chemical Process Instrumentation and Control</td>
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A minimum GPA of 2.00 is required in all CHE, CHEM, ENGR, and ENSC coursework.

2. The major engineering design experience, capstone course, is satisfied by CHE 4124 Chemical Engineering Design I and CHE 4224 Chemical Engineering Design II.

Additional State/OSU Requirements

- At least: 60 hours at a four-year institution; 30 hours completed at OSU; 15 of the final 30 or 50% of the upper-division hours in the major field completed at OSU.
- Limit of: one-half of major course requirements as transfer work; one-fourth of hours earned by correspondence; 8 transfer correspondence hours.
- Students will be held responsible for degree requirements in effect at the time of matriculation and any changes that are made, so long as these changes do not result in semester credit hours being added or do not delay graduation.
- Degrees that follow this plan must be completed by the end of Summer 2024.