

CHEMICAL ENGINEERING CURRICULUM

AY 2020-2021

Fall Term

Spring Term

First Year

<table style="width: 100%; border-collapse: collapse;"> <tr><td style="width: 5%;"><input type="checkbox"/></td><td style="width: 15%;">EGGG 101</td><td style="width: 40%;">Introduction to Engineering (FYE)</td><td style="width: 5%; text-align: center;">2</td></tr> <tr><td><input type="checkbox"/></td><td>CHEM 111</td><td>General Chemistry</td><td style="text-align: center;">3</td></tr> <tr><td><input type="checkbox"/></td><td>MATH 242</td><td>Analytic Geometry & Calculus B</td><td style="text-align: center;">4</td></tr> <tr><td><input type="checkbox"/></td><td>CISC 106</td><td>General Computer Science for Engineers</td><td style="text-align: center;">3</td></tr> <tr><td><input type="checkbox"/></td><td>ENGL 110</td><td>Seminar in Composition</td><td style="text-align: center;">3</td></tr> <tr><td colspan="3"></td><td style="text-align: center; border-top: 1px solid black;">15</td></tr> </table>	<input type="checkbox"/>	EGGG 101	Introduction to Engineering (FYE)	2	<input type="checkbox"/>	CHEM 111	General Chemistry	3	<input type="checkbox"/>	MATH 242	Analytic Geometry & Calculus B	4	<input type="checkbox"/>	CISC 106	General Computer Science for Engineers	3	<input type="checkbox"/>	ENGL 110	Seminar in Composition	3				15	<table style="width: 100%; border-collapse: collapse;"> <tr><td style="width: 5%;"><input type="checkbox"/></td><td style="width: 15%;">CHEG 112</td><td style="width: 40%;">Introduction to Chemical Engineering</td><td style="width: 5%; text-align: center;">3</td></tr> <tr><td><input type="checkbox"/></td><td>CHEM 112</td><td>General Chemistry</td><td style="text-align: center;">3</td></tr> <tr><td><input type="checkbox"/></td><td>MATH 243</td><td>Analytic Geometry & Calculus C</td><td style="text-align: center;">4</td></tr> <tr><td><input type="checkbox"/></td><td>PHYS 207</td><td>Fundamentals of Physics I</td><td style="text-align: center;">4</td></tr> <tr><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td>Breadth Requirement Elective 1</td><td style="text-align: center;">3</td></tr> <tr><td colspan="3"></td><td style="text-align: center; border-top: 1px solid black;">17</td></tr> </table>	<input type="checkbox"/>	CHEG 112	Introduction to Chemical Engineering	3	<input type="checkbox"/>	CHEM 112	General Chemistry	3	<input type="checkbox"/>	MATH 243	Analytic Geometry & Calculus C	4	<input type="checkbox"/>	PHYS 207	Fundamentals of Physics I	4	<input type="checkbox"/>	<input type="checkbox"/>	Breadth Requirement Elective 1	3				17
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Second Year

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Third Year

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Fourth Year

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Total Credit Hours 126

* If CHEM 333 is taken for two credits, CHEM 445 is not required.

Biology requirement: Students must meet the department's Biology requirement by virtue of a score of 4 or 5 on the AP Biology exam; a score of 6 or 7 on the IB (Higher Level) exam; 3 credits from taking BISC207; 3 credits from taking CHEM527, or by taking a course approved by the Chair or the Chair's designee.

Note: Minimum grade of C- is required in all CHEG courses, MATH242/243/305, CISC106, CHEM444, ENGL 110, and all Breadth Requirement courses.