

CHEMICAL ENGINEERING CURRICULUM

Fall Term

Spring Term

First Year

<input type="checkbox"/>	EGGG 101	Introduction to Engineering (FYE)	2	<input type="checkbox"/>	CHEG 112	Introduction to Chemical Engineering	3
<input type="checkbox"/>	CHEM 111	General Chemistry	3	<input type="checkbox"/>	CHEM 112	General Chemistry	3
<input type="checkbox"/>	MATH 242	Analytic Geometry & Calculus B	4	<input type="checkbox"/>	MATH 243	Analytic Geometry & Calculus C	4
<input type="checkbox"/>	CISC 106	General Computer Science for Engineers	3	<input type="checkbox"/>	PHYS 207	Fundamentals of Physics I	4
<input type="checkbox"/>	ENGL 110	Critical Reading and Writing	3	<input type="checkbox"/>		Breadth Requirement Elective 1	3
			15				17

Second Year

<input type="checkbox"/>	CHEG 231	Chemical Engineering Thermodynamics	3	<input type="checkbox"/>	CHEG 325	Chemical Engineering Thermodynamics	3
<input type="checkbox"/>	CHEM 220	Quantitative Analysis	3	<input type="checkbox"/>	CHEM 444	Physical Chemistry	3
<input type="checkbox"/>	CHEM 221	Quantitative Analysis Laboratory	1	<input type="checkbox"/>	CHEM 445	Physical Chemistry Laboratory (a)	0/1
<input type="checkbox"/>	PHYS 208	Fundamentals of Physics II	4	<input type="checkbox"/>	MATH 305	Applied Math for Chemical Engineering	3
<input type="checkbox"/>	MSEG 302	Materials Science for Engineers	3	<input type="checkbox"/>		Technical Elective 1	3
<input type="checkbox"/>		Breadth Requirement Elective 2	3	<input type="checkbox"/>		Breadth Requirement Elective 3	3
			17				15/16

Third Year

<input type="checkbox"/>	CHEG 332	Chemical Engineering Kinetics	3	<input type="checkbox"/>	CHEG 342	Heat and Mass Transfer	3
<input type="checkbox"/>	CHEG 341	Fluid Mechanics	3	<input type="checkbox"/>	CHEG 345	Chemical Engineering Laboratory I	3
<input type="checkbox"/>	CHEM 331	Organic Chemistry I	3	<input type="checkbox"/>	CHEM 332	Organic Chemistry (b) or	3
<input type="checkbox"/>	CHEM 333	Organic Chemistry Laboratory	1/2	<input type="checkbox"/>	CHEM 527	Introduction to Biochemistry	3
<input type="checkbox"/>		Technical Elective 2	3	<input type="checkbox"/>		Breadth Requirement Elective 4	3
<input type="checkbox"/>		Technical Elective 3	3	<input type="checkbox"/>		CHEG Elective 1	3
			16/17				15

Fourth Year

<input type="checkbox"/>	CHEG 443	Mass Transfer Operations	3	<input type="checkbox"/>	CHEG 432	Chemical Process Design (DLE)	3
<input type="checkbox"/>	CHEG 401	Chemical Process Dynamics and Control	3	<input type="checkbox"/>		CHEG Elective 3	3
<input type="checkbox"/>	CHEG 445	Chemical Engineering Laboratory II	3	<input type="checkbox"/>		Technical Elective 4 or CHEG Elective 4	3
<input type="checkbox"/>		CHEG Elective 2	3	<input type="checkbox"/>		Technical Elective 5 or CHEG Elective 4	3
<input type="checkbox"/>		Breadth Requirement Elective 5	3	<input type="checkbox"/>		Breadth Requirement Elective 6	3
			15				15

Total Credit Hours 126

(a) If CHEM 333 is taken for two credits, CHEM 445 is not required.

(b) CHEM 332 or CHEM 527 may be taken. If CHEM 527 is not taken, the BISC requirement must be met using BISC 207 or another approved course.