

**TENTATIVE**  
**Entering Fall 2018 or later**

**First Year**

**Fall**

3150:151	Principles of Chemistry I	3
3150:152	Principles of Chemistry I Lab	1
3300:111	English Composition I	3
3450:221	Analytical Geometry-Calculus I	4
4200:101	Tools for Chemical Engineering	2
4200:110	Proj. Management&Teamwork I	1

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**Spring**

3150:153	Principles of Chemistry II	3
3150:154	Qualitative Analysis	2
3300:112 or	English Composition II or	
2020:222	Technical Report Writing	3
3450:222	Analytical Geometry-Calculus II	4
4200:121	Chemical Engr. Computations	2
	Speaking Elective	3

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**Summer**


**Second Year**

**Fall**

3650:291	Elementary Classical Physics I	4
3150:263	Organic Chemistry I	3
3150:265	Organic Chemistry Lab	2
3450:223	Analytical Geometry-Calculus III	4
4200:200	Material and Energy Balances	4
4200:210	Proj. Management&Teamwork II	1

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**Spring**

3650:292	Elementary Classical Physics II	4
3150:264	Organic Chemistry II	3
4200:225	Equilibrium Thermodynamics	4
3450:335	Intro. to Ordinary Differential Equations	3
4300:201	Statics	3

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**Summer**

4100:300	Possible Co-op	

**Third Year**

**Fall**

3150:313	Physical Chemistry I	3
4200:353	Mass Transfer Operations	3
4200:321	Transport Phenomena	3
4200:341	Process Economics	2
4200:310	Proj. Management&Teamwork III	1
3250:244	Intro. to Economic Analysis	3
	Advanced Math Elective	2

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**Spring**

4100:301	Mandatory Co-Op	

3150:314	Physical Chemistry II	3
	Domestic or Global Diversity Elective	3
	Social Science Elective (DD or GD)	3

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**Fourth Year**

**Fall**

4100:302	Mandatory Co-Op	

4200:330	Chemical Reaction Engineering	3
4200:351	Fluid & Thermal Operations	3
4200:305	Materials Science	2
4200:360	Chemical Engineering Lab	3
	Humanities or Arts Elective	3

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**Summer**

4100:403	Mandatory Co-Op	

**Fifth Year**

**Fall**

4200:435	Process Analysis & Control	3
4200:441	Process Design I	3
4200:410	Proj. Management&Teamwork IV	1
	Humanities Elective (CT)	3-4
	Advanced Chemistry Elective	3

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**Spring**

4200:442	Process Design II (CS-TENTATIVE)	3
4400:307	Basic Electrical Engineering	4
4200:xxx	Chemical Engineering Elective	3
4200:xxx	Chemical Eng. Design Elective	3
	Arts Elective	3

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**Summer**


**Notes:**  
 See Undergraduate Bulletin for Approved General Education Courses (Speaking, Social Science, Humanities and Arts Electives)

See Chemical and Biomolecular Engineering Departmental Advisor for Approved Chemical Engineering Electives