

RECOMMENDED SCHEDULE

ENTERING FALL 2018

Official course requirements based upon semester admitted into the program.

First Year

Fall			Spring			Summer		
3150:151	^Principles of Chemistry I	3	3150:153	^Principles of Chemistry II	3			
3150:152	Principles of Chemistry I Lab	1	3150:154	Qualitative Analysis	2			
3300:111	~^English Composition I	3	3450:222	^Analytic Geometry-Calculus II	4			
3450:221	^Analytic Geometry-Calculus I	4	4200:121	Chemical Engr. Computations	2			
4200:101	Tools for Chemical Engineering	2		*General Ed or Honors Distribution	3			
4200:110	Proj. Management&Teamwork I	1		^2nd Writing Course	3			
14			17					

Second Year

Fall			Spring			Summer		
3150:263	Organic Chemistry I	3	3150:264	Organic Chemistry II	3			
3150:265	Organic Chemistry Lab	2	3450:335	Intro. to Ordinary Differential Equations	3			
3450:223	^Analytic Geometry-Calculus III	4	3650:292	^Elementary Classical Physics II	4			
3650:291	^Elementary Classical Physics I	4	4200:225	Equilibrium Thermodynamics	4			
4200:200	Material and Energy Balances	4	4300:201	^Statics	3			
4200:210	Proj. Management&Teamwork II	1						
18			17					

Third Year

Fall			Spring			Summer		
3150:313	Physical Chemistry I	3				3150:314	Physical Chemistry II	3
3250:244	Intro. to Economic Analysis (Social Sci)	3					*General Ed or Honors Distribution	3
4200:310	Proj. Management&Teamwork III	1					*General Ed or Honors Distribution	3
4200:321	Transport Phenomena	3	4100:301	Cooperative Education Work Period				
4200:341	Process Economics	2						
4200:353	Mass Transfer Operations	3						
	Advanced Math Elective	2						
17						9		

Fourth Year

Fall			Spring			Summer		
			4200:305	Materials Science	2			
			4200:330	Chemical Reaction Engineering	3			
4100:302	Cooperative Education Work Period		4200:351	Fluid & Thermal Operations	3	4100:403	Cooperative Education Work Period	
			4200:360	Chemical Engineering Lab	3			
				*General Ed or Honors Distribution	3			
			14					

Fifth Year

Fall			Spring			Summer		
4200:410	Proj. Management&Teamwork IV	1	4200:442	Process Design II	3			
4200:435	Process Analysis & Control	3	4400:307	Basic Electrical Engineering	4			
4200:441	Process Design I	3	4200:xxx	Chemical Engineering Elective	3			
	*General Ed or Honors Distribution	3	4200:xxx	Chemical Eng. Design Elective	3			
	Advanced Chemistry Elective	3		*General Ed or Honors Distribution	3			
	Honors Project	2						
15			16					

College of Engineering Notes

*Credit hours shown for General Education or Honors Distribution are general guidelines only. These courses should be chosen in accordance with the appropriate General Education curriculum guide (for non-honors students) or Honors Distribution (for honors students). Honors students must also ensure that their course selections meet additional requirements not shown on this curriculum guide.

[Gen Ed Program - https://www.uakron.edu/general-education/](https://www.uakron.edu/general-education/)

[Honors Distribution - https://www.uakron.edu/honors/curriculum/](https://www.uakron.edu/honors/curriculum/)

^Honors sections may be available; check the schedule of classes.

Chemical Engineering Program Notes

See Chemical and Biomolecular Engineering Departmental advisors for approved chemical engineering electives

~The Chemical and Biomolecular Engineering Department recommends that English Composition I be used to satisfy writing course requirement but other choices are available. See the General Education Program for details.

*Check General Education Program or Honors Distribution to find courses that satisfy the 2nd writing course requirement.

In addition to meeting all other degree requirements, a minimum of 137 credits must be completed.