

RECOMMENDED SCHEDULE

Official course requirements based upon semester admitted into the program.

ENTERING FALL 2018

First Year

Fall

3150:151	^Principles of Chemistry I	3
3150:152	Principles of Chem I Lab	1
3300:111	~^English Composition I	3
3450:221	^Analytic Geometry-Calculus I	4
4200:110	Proj. Management & Teamwork I	1
4250:101	Tools for Corrosion Engineering	2
		14

Spring

3150:153	^Principles of Chemistry II	3
3150:154	Qualitative Analysis	2
3450:222	^Analytic Geometry-Calculus II	4
4250:105	Corrosion Engineering Computations	2
	*General Ed or Honors Distribution	3
	^2nd Writing Course	3
		17

Summer

Second Year

Fall

3150:263	Organic Chemistry I	3
3150:265	Organic Chemistry Lab	2
3450:223	^Analytic Geometry-Calculus III	4
3650:291	^Elementary Classical Physics I	4
4200:210	Proj. Management & Teamwork II	1
4250:200	Material & Energy Balances for Corrosion Eng.	4
		18

Spring

3150:264	Organic Chemistry II	3
3450:335	Intro. To Ordinary Differential Equations	3
3650:292	^Elementary Classical Physics II	4
4200:225	Equilibrium Thermodynamics	4
4200:305	Materials Science	2
		16

Summer

	<i>Possible</i>	
4100:300	Cooperative Education Work Period	

Third Year

Fall

4200:310	Proj. Management & Teamwork III	1
4200:321	Transport Phenomena	3
4250:300	Fundamentals Of Aqueous Corrosion	3
4250:301	Corrosion Lab I	1
4300:201	^Statics	3
4400:307	Basic Electrical Engineering	4
		15

Spring

4100:301	Cooperative Education Work Period	

Summer

4300:202	Mechanics of Solids	3
	*General Ed or Honors Distribution	3
	*General Ed or Honors Distribution	3
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Fourth Year

Fall

4100:302	Cooperative Education Work Period	

Spring

3150 or 3100: xxx	Chemistry or Biology Elective	3
3150:424	Analytical Chemistry II	3
3250:244	Intro. to Economic Analysis	3
4250:305	Aqueous Corrosion Prevention	3
4250:306	Aqueous Corrosion Lab II	1
	*General Ed or Honors Distribution	3
		16

Summer

4100:403	Cooperative Education Work Period	

Fifth Year

Fall

4200:410	Proj. Management & Teamwork IV	1
4250:310	Fundamentals of High Temp Corrosion	3
4250:311	High Temp Corrosion Lab	1
4250:440	Corrosion Management I	3
4250:xxx	Corrosion Engineering Elective	3
	*General Ed or Honors Distribution	3
		14

Spring

4250:441	Corrosion Management II	3
4250:xxx	Corrosion Engineering Elective	3
4xxx:xxx	Design Electives	3
4xxx:xxx	Design Electives	3
	*General Ed or Honors Distribution	3
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Summer

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 136 credits must be completed.