

RECOMMENDED SCHEDULE
Official course requirements based upon semester admitted into the program.

ENTERING FALL 2018

Fall			Spring			Summer		
3150:151	^Principles of Chemistry I	3	3150:153	^Principles of Chemistry II	3			
3150:152	Principles of Chem I Lab	1	3450:222	^Analytic Geometry-Calculus II	4			
3300:111	~^English Composition I	3	3650:291	^Elementary Classical Physics I	4			
3450:221	^Analytic Geometry-Calculus I	4	4800:111	Intro Biomedical Engineering Design	3			
4800:101	Tools for Biomedical Engineering	3		^2nd Writing Course	3			
14			17					

Fall			Spring			Summer		
3100:200	Human Anatomy & Physiology I	3	3100:202	Human Anatomy & Physiology II	3			
3100:201	Human Anatomy & Physiology I Lab	1	3100:203	Human Anatomy & Physiology II Lab	1		Possible	
3450:223	^Analytic Geometry-Calculus III	4	3450:335	Intro. To Ordinary Diff Equations	3	4100:300	Cooperative Education Work Period	
3650:292	^Elementary Classical Physics II	4	4400:330	Circuits II Lab	1			
4400:230	Circuits I Lab	1	4400:332	Circuits II	3			
4400:231	Circuits I	3	4450:220	Digital Logic Design	4			
4800:201	Biomedical Eng.Sophomore Sem	1	4800:220	Biomedical Computing	3			
17			18					

Fall			Spring			Summer		
3600:120	Intro to Ethics (Humanities)	3				3470:461	Applied Statistics	4
4300:201	^Statics	3				4600:305	Thermal Science	2
4400:343	Signals & Systems	4	4100:301	Cooperative Education Work Period			*General Ed or Honors Distribution	3
4400:360	Physical Electronics	3						
4800:305	Intro Biophysical Measurements	4						
17						9		

Fall			Spring			Summer		
			4600:203	^Dynamics	3			
			4800:310	Model & Simulation of Biomedical System	3			
4100:302	Cooperative Education Work Period			Biomedical Engineering Elective	3	4100:403	Cooperative Education Work Period	
				*General Ed or Honors Distribution	3			
				*General Ed or Honors Distribution	3			
			15					

Fall			Spring			Summer		
4800:325	Design of Medical Devices	3	4800:400	Biomaterials	3			
4800:420	Biomedical Signal& Image Proc	3	4800:430	Design of Medical Imaging Systems	3			
4800:491	Biomedical Design I	2	4800:492	Biomedical Design II (CS)	2			
	Biomedical Engineering Elective	3		Biomedical Engineering Elective	3			
	*General Ed or Honors Distribution	3		*General Ed or Honors Distribution	3			
			14					

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.

Biomedical Engineering Department Notes
The 9 credits of BME Electives must include:
a minimum of 3 credits from a BME (4800) course
6 credits of BME Electives must be 300-400 level Engineering, Math, Physics, Biology or Chemistry courses
~The Biomedical 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 134 credits must be completed.