



Department of Electrical and Computer Engineering
B.S. Electrical Engineering

3/21/17

137 credits

TENTATIVE
entering Fall 2017 or later

First Year

Fall			Spring			Summer		
3150:151	Principles of Chemistry I	3	3650:291	Elementary Classical Physics I	4			
3150:152	Principles of Chem I Lab	1	4450:220	Digital Logic Design	4			
3300:111	English Composition I	3	3300:112*	English Composition II	3			
3450:221	Analytic Geometry-Calculus I	4	3450:222	Analytic Geometry-Calculus II	4			
4400:101	Tools for Electrical Engineering	3		Social Science Elective (DD)	3			
14			18					

Second Year

Fall			Spring			Summer		
3650:292	Elementary Classical Physics II	4	4300:201	Statics	3			
3450:223	Analytic Geometry-Calculus III	4	3450:335	Intro. To Ordinary Differential Equations	3			
4400:230	Circuits I Lab	1	4400:330	Circuits II Lab	1			
4400:231	Circuits I	3	4400:332	Circuits II	3			
	Humanities	3-4	4450:208	Programming for Engineers	3			
	Speaking Elective	3		Social Science Elective (GD)	3			
15			16					

Third Year

Fall			Spring			Summer		
4400:340	Signals & Systems	4	4400:309	Design Project Seminar	1	3470:401	Prob. & Stat. for Engineers	2
4400:360	Physical Electronics	3	4400:341	Intro. Communications Systems	3	4200:305 or 4600:305	Materials Science or Thermal Science	2
4400:353	Electromagnetics I	4	4400:354	Electromagnetics II	3	4400:303	Research III (Optional)	1
4400:381	Energy Conversion	4	4400:361	Electronic Design	4			
4300:202 or 4600:203	Intro. To Mechanics of Solids or Dynamics	3	4400:371	Control Systems I	4			
4400:301	Research I (Optional)	1	4400:302	Research II (Optional)	1			
18-19			15-16			4-5		

Fourth Year

Fall			Spring			Summer		
4400:401	Senior Design Project I (CT)	2	4400:402	Senior Design Project II (CS)	3			
	Electrical Eng. Elective	3		Electrical Eng. Elective	3			
	Electrical Eng. Elective	3		Electrical Eng. Elective	3			
	Electrical Eng. Elective	3		Electrical Eng. Elective	3			
	Arts Elective	3		Humanities or Arts Elective	3			
14			15					

Notes:

*While 3300:112 English Composition II is preferred, 2020:222 Technical Report Writing is accepted to fulfill the English composition elective.

See Undergraduate Bulletin for Approved General Education Courses

Up to three credits of undergraduate research in Electrical Engineering may be applied to program requirements as Electrical Engineering Electives
 Students may take at most one credit of undergraduate research in a semester.

See Electrical and Computer Engineering Departmental Office for Approved Electrical Engineering Electives (including Breadth and Depth requirements)