

Freshman					
Fall		Credits	Spring		Credits
AS.110.109	Calculus II (For Physical Sciences and Engineering)	4	AS.110.201	Linear Algebra	4
AS.171.101 or 107	General Physics:Physical Science Major I	4	AS.171.102 or 108	General Physics: Physical Science Major II	4
AS.173.111	General Physics Laboratory I	1	AS.173.112	General Physics Laboratory II	1
EN.520.137	Introduction To Electrical Computer Engineering	3	EN.520.142	Digital Systems Fundamentals	3
EN.500.112	Gateway Computing	3	EN.520.123	Computational Modeling for Electrical and Computer Engineering	3
		15			15
Sophomore					
Fall		Credits	Spring		Credits
AS.110.202 or 211	Calculus III	4	AS.110.302	Differential Equations and Applications	4
AS.030.101	Introductory Chemistry I	3	EN.520.214	Signals and Systems	4
EN.520.230	Mastering Electronics	2	EN.520.216	Introduction To VLSI	3
EN.520.231	Mastering Electronics Lab	2	ECE Elective 1		3
EN.520.219	Introduction to Electromagnetics	4	H&S 2		3
H&S 1		3			
		18			17
Junior					
Fall		Credits	Spring		Credits
EN.553.310 or 420	Probability Statistics <small>EN.553.311 also fulfills req.</small>	4	EN.520.353	Control Systems	3
EN.520.435	Digital Signal Processing	3	ECE Elective 4		3
ECE Elective 2		3	ECE Elective 5		3
ECE Elective 3		3	Basic Science Elective (N)		3
EN.660.400	Practical Ethics for Future Leaders <small>EN.660.400 + EN.520.404 fulfill H&S 3</small>	2			
EN.520.404	Engineering solutions in a global, economic, environmental, and societal context	1			
		16			15
Senior					
Fall		Credits	Spring		Credits
Advanced ECE Lab 1		3	Advanced Lab 3 <small>Can be fulfilled by ECE advanced lab or other engineering advanced lab from approved checklist.</small>		3
Advanced ECE Lab 2		3	Advanced Lab 4 <small>Can be fulfilled by ECE advanced lab or other engineering advanced lab from approved checklist</small>		3
ECE Elective 6		3	Non-ECE Engineering Elective 2		3
Non-ECE Engineering Elective 1		3	ECE Elective 5		3
H&S 4		3	H&S 6		3
		15			15
Total Credits: 126					