

2018 - 2019 CE Planning Page

Fall 1	Credits	Spring 1	Credits
Calc II	4	Intermediate Programming	3
Physics I	4	Physics II	4
Physics I Lab *	1	Physics II Lab *	1
Intro to ECE & Seminar *	3	Digital Systems Fundamentals *	3
Gateway Computing	3	Comp. Modeling for ECE *	3
	15		14
Fall 2	Credits	Spring 2	Credits
Linear Algebra/Diff Eq	4	Calc III	4
Chemistry I	3	Data Structures	4
Mastering Electronics *	2	Intro to VLSI *	3
Mastering Electronics Lab	2	Signals and Systems & Lab *	4
Computer Systems Fundamentals **	3	H&S 2	3
H&S 1	3		
	17		18
Fall 3	Credits	Spring 3	Credits
Discrete Math	4	Prob/Stat	4
Microprocessor Lab *	3	CS Elective 1	3
Intro to Mechatronics *	3	H&S 4	3
ECE Elective 1	3	Basic Science Elective (N)	3
Practical Ethics for Future Leaders EN.660.400 + EN.520.404 fulfill H&S	2		
Engineering solutions in a global, economic, environmental, and societal context	1		
	16		13
Fall 4	Credits	Spring 4	Credits
Adv ECE Lab 1 *	3	Adv Lab 3 *	3
Adv ECE Lab 2 *	3	Adv Lab 4 *	3
Math Elective	4	Non-ECE Engineering Elective 2	3
Non-ECE Engineering Elective 1	3	ECE Elective	3
H&S 5	3	H&S 6	3
	16		15

Total

124

\* = "Hands-on"/Lab Courses

\*\* Computer System Fundamentals EN.601.229 or Computer Architecture EN.520.222. Will need CS Elective 2 or CS Adv. Lab if EN.520.222 is taken.

**Bold - Required**