

Program Planning Chart

EE Curriculum

CE Curriculum

Fall 1	Credits	Spring 1	Credits
Calc II		4 Linear Algebra	4
Physics I		4 Physics II	4
Physics I Lab *		1 Physics II Lab *	1
Intro to ECE & Seminar *		3 Digital Systems Fundamentals *	3
H&S 1		3 Comp. Modeling for ECE *	3
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		15	15

Fall 2	Credits	Spring 2	Credits
Calc III		4 Diff Equ	4
Chemistry I (or Biology I)		4 Programming	3
Chemistry I Lab (or Biology Lab) *		1 Signals and Systems & Lab *	4
Circuits or Mastering Electronics * 520.219 *		4 Intro to VLSI *	3
		4 ECE Elective 1	3
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		17	17

Fall 3	Credits	Spring 3	Credits
Prob Stat		4 Conrol Systems	3
Intro to DSP & Lab *		3 ECE Elective 4	3
ECE Elective 2		3 ECE Elective 5	3
ECE Elective 3		3 H&S 3	3
H&S 2		3 H&S 4	3
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		16	15

Fall 4	Credits	Spring 4	Credits
Adv ECE Lab 1 *		3 Adv ECE Lab 3 *	3
Adv ECE Lab 2 *		3 Adv ECE Lab 4 *	3
ECE Elective 6		3 Engineering Elective 2	3
Engineering Elective 1		3 Basic Science Elective	3
H&S 5		5 H&S 6	3
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		17	15

* = "Hands-on"/Lab Courses

BOLD = Required **Total** **127**

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
Intro to Programming		3 Comp. Modeling for ECE *	3
		H&S 1	3
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		15	17

Fall 2	Credits	Spring 2	Credits
Linear Algebra/Diff Equ		4 Discrete Math	4
Chemistry I (or Biology I)		4 Data Structure	4
Chemistry I Lab (or Biology Lab) *		1 Intro to VLSI *	3
Circuits or Mastering Electronics *		4 ECE Elective 1	3
Computer Systems Fundamental *		3 H&S 2	3
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		16	17

Fall 3	Credits	Spring 3	Credits
Prob Stats		4 Calc III	4
Microprocessor Lab *		3 ECE Elective 3	3
Intro to Mechatronics *		3 ECE Elective 4	3
ECE Elective 2		3 ECE Elective 5	3
H&S 3		3 H&S 4	3
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		16	16

Fall 4	Credits	Spring 4	Credits
Adv ECE Lab 1 *		3 Adv ECE Lab 3 *	3
Adv ECE Lab 2 *		3 Adv ECE Lab 4 *	3
ECE Elective 6		3 Engineering Elective 2	3
Engineering Elective 1		3 Basic Science Elective	3
H&S 5		3 H&S 6	3
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		15	15

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BOLD = Required **Total** **127**