

**Department of Electrical and Computer Engineering  
University of New Hampshire**

Students Entered Prior to Fall 2017

## Electrical Engineering Program

Freshman Year			
FALL	CR	SPRING	CR
ECE401 - Perspectives in Electrical and Computer Engineering	4	MATH426 - Calculus II	4
MATH425 – Calculus I	4	PHYS407 - Physics I	4
CS410 or CS415* – Intro to Scientific Programming	4	ENGL401 - Discovery Writing Skills	4
ECON 402 or EREC 411**	4	Discovery Program Category ***	4
	16		16

Sophomore Year			
FALL	CR	SPRING	CR
ECE541 - Electrical Circuits	4	ECE548 - Electronic Design I	4
ECE543 – Intro to Digital Systems	4	ECE562 – Computer Organization	4
MATH527 – Differential Equations	4	ME523 – Statics and Dynamics	3
PHYS408 - Physics II	4	Discovery Program Category	4
	16		15

Junior Year			
FALL	CR	SPRING	CR
ECE602 – Engineering Analysis	4	ECE603 - Electromagnetic Fields & Waves	4
ECE617 – Junior Lab I	4	ECE618 – Junior Lab II	4
ECE633 - Signals and Systems I	3	ECE634 – Signals and Systems II	3
ECE651 – Electronic Design II	4	ECE647 – Random Processes and Signals in Engineering	3
CHEM405 – Chemical Principles for Engr.	4		
	19		14

Senior Year			
FALL	CR	SPRING	CR
ECE791 – Senior Project I	2	ECE792 – Senior Project II	2
Professional Elective****	4	Professional Elective****	4
Professional Elective****	4	Professional Elective****	4
Discovery Program Category	4	Discovery Program Category	4
Discovery Program Category	4		
ECE694 – Engr. Professional Principles	1		
	19		14

\* Students who may be considering the Computer Engineering Program should take CS415

\*\*Students are required to take either ECON 402 Principles of Economics (Micro) or EREC 411 Environmental and Resource Economics Perspectives to fulfill the Social Science Category of the Discovery Program.

\*\*\* Students who are considering switching to the Computer Engineering Program should take CS416

\*\*\*\* Professional Electives (must select four total courses according to the following list)

ECE Courses (at least two of these)	ECE Courses (any of these)	Paul College (no more than one of these)
ECE 7XX	ECE 649	DS 773
NOT ECE 795	ECE 795	DS 774
NOT ECE 796	ECE 796	

TOTAL CREDITS: 129

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**ECE Department Webpage:** <http://ceps.unh.edu/ece>  
**LAST UPDATE:** 3/21/17