

BACHELOR OF SCIENCE IN ELECTRICAL ENGINEERING

OFFICIAL PLAN OF STUDY

FALL 2019

2019

Name _____

ID# _____

Course Number	Grade	Credit Hrs	Sem/ Yr	Alternate Course/ Comments
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I. Freshman Engineering (28 hours)+

MATH 16500 #		4		
MATH 16600 #		4		
MATH 17100 #		3		
CHEM C10500		3		
PHYS 15200 #		4		
ENG-W131 #		3		
COMM-R110 #		3		
ENGR 12500 *#		1		
ENGR 19600 *#		3		

II. Math & Sciences (15 hours)

MATH 26100 #		4		
MATH 26600 #		3		
PHYS 25100 #		5		
		3		Math/Sci/Tech Elective

III. Engineering Design (22 hours)

ECE 25500 *#		3		
ECE 20800 *#		1		
ECE 27000 *#		4		
ECE 36200 *		4		
ECE 38200 *		3		
ECE 44000 *		4		
ECE 48700 * Ω		1		
ECE 48800 *		2		

IV. Engineering Sciences (24 hours)

ENGR 29700 *#		1		
ECE 20100 *#		3		
ECE 20700 *#		1		
ECE 20200 *# Ω		3		
ECE 26300 *#		3		
ECE 26100 *#		1		
ECE 30100 *#		3		
ECE 30200 *# Ω		3		
ECE 31100 *		3		
ME 29500-Mech & Heat		3		

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V. EE Electives (15 hours) *

		3		
		3		
		3		
		3		
		3		

VI. General Education (15 hours)

TCM 36000		2		
ECE 40100 *		1		
ECE 32700 or ECON-E 201		3		
		3		Cultural Understanding Elective
		3		Arts/Humanities Elective
		3		Arts/Humanities or Social Sciences Elective

VII. Other (5 hours)

ECE 21000 *#		1		
		4		Restricted Elective

Credit Hours Required = 124 Minimum
 # Grade of C- or higher required in these courses.
 * Included in Major GPA calculation
 Ω Advising/Acad Progress Review required before registration
 +Average GPA of 2.0 required for Freshman Engr courses (28 hrs)

Completed and signed Plan of Study required to register for ECE 48700

Approvals & Signatures	
Student Signature	
Date	
Faculty Approval	
ECE Chair	1
	2
	3
Date	

Suggested Enrollment Plan

Electrical Engineering

Freshman Year

Fall Semester	Credit Hrs
ENGR 12500 Intro. Engineering Profession	1
ENGR 19600 Intro. Engineering	3
MATH 16500 Analyt. Geometry and Calc. I	4
CHEM C10500 Chemical Science I	3
COMM R11000 Fund. Of Speech Comm.	3
Cultural Understanding Elective	3
Total Credit Hours	17

Spring Semester	Credit Hrs
PHYS 15200	4
MATH 16600 Analyt. Geometry and Calc. II	4
MATH 17100 Multidimensional Math.	3
ENG W131 Elementary Comp. I	3
Arts/Humanities Elective Elective	3
Total Credit Hours	17

Sophomore Year

Fall Semester	Credit Hrs
MATH 26100 Multivariate Calculus	4
PHYS 25100 Electricity and Optics	5
ECE 20100 Linear Circuit Analysis I	3
ECE 20700 Electronic Measurement Techs.	1
ECE 26300 Intro Computing in EE	3
ECE 26100 Intro Computing Lab	1
Total Credit Hours	17

Spring Semester	Credit Hrs
MATH 26600 Ordinary Differential Eqs.	3
Ω ECE 20200 Circuit Analysis II	3
ECE 25500 Intro Electronics Analysis & Design	3
ECE 20800 Electronics Dev. & Design Lab	1
ECE 27000 Digital Logic Design	4
ENGR 29700 Computer Tools for Engineers	1
ECE 21000 Sophomore Seminar	1
Total Credit Hours	16

Junior Year

Fall Semester	Credit Hrs
ECE 30100 Signals and Systems	3
ECE 31100 Electric and Magnetic Fields	3
ECE 36200 Microproc. Syst. And Interfac.	4
TCM 36000 Comm. In Engineering Practice	2
ME 29500 Mechanics and Heat	3
Total Credit Hours	15

Spring Semester	Credit Hrs
Ω ECE 30200 Probabilistic Methods	3
ECE 38200 Feedback System Analysis	3
ECE 32700 or ECON 201	3
Math/Science/Tech Elective	3
EE Elective	3
Total Credit Hours	15

Senior Year

Fall Semester	Credit Hrs
ECE 44000 Intro to Comm. Syst. Analysis	4
Ω ECE 48700 Senior Design I	1
ECE 40100 Engineering Ethics	1
EE Elective	3
EE Elective	3
Restricted Elective	3
Total Credit Hours	15

Spring Semester	Credit Hrs
ECE 48800 Senior Design II	2
EE Elective	3
EE Elective	3
Restricted Elective	1
Arts/Humanities or Social Sciences Elective	3
Total Credit Hours	12