

Name: _____
 UIN: _____

ELEN Electrical Engineering
Total Credits Required: 128; Catalog Edition #137
 For students entering 2014-2015

Freshman							
	Th-Pr	Cr	Prerequisite		Th-Pr	Cr	Prerequisite
<i>ENGL 104 - Composition & Rhetoric</i>	(3-0)	3		<i>CHEM 107-Chem for Engineers</i>	(3-0)	3	CHEM 117c
<i>ENGR 111-Foundations of Eng. I</i>	(1-3)	2	calculus ready	<i>CHEM 117-Chem for Engineers lab</i>	(0-3)	1	CHEM 107c
<i>MATH 151-Engineering Math I</i>	(3-2)	4	calculus ready	<i>ENGR 112-Foundations of Eng. II</i>	(1-3)	2	ENGR 111
<i>PHYS 218 - Mechanics</i>	(3-3)	4	calculus ready	<i>MATH 152-Engineering Math II</i>	(3-2)	4	MATH 151
University Core Curriculum Elective ^B		3		<i>PHYS 208-Electricity & Optics</i>	(3-3)	4	PHYS 218
		<u>16</u>		University Core Curriculum Elective ^B		<u>3</u>	
						17	
Sophomore							
	Th-Pr	Cr	Prerequisite		Th-Pr	Cr	Prerequisite
<i>CSCE 121-Intro PGM Design Concept</i>	(3-2)	4	ENGR 112	<i>ECEN 214-Electrical Circ. Theory</i>	(3-3)	4	MATH 308c, PHYS 208; admitted to ECEN
<i>ECEN 248-Digital System Design</i>	(3-3)	4	Admitted to ECEN	<i>MATH 308-Differential Equations</i>	(3-0)	3	MATH 251
<i>MATH 251-Engineering Math III</i>	(3-0)	3	MATH 152	<i>MATH 311-Topics in Applied Math I</i>	(3-0)	3	MATH 308c
University Core Curriculum Elective ^B		3		University Core Curriculum Elective ^B	(3-0)	3	
University Core Curriculum Elective ^B		<u>3</u>		University Core Curriculum Elective ^B	(3-0)	<u>3</u>	
		17				16	
Junior							
	Th-Pr	Cr	Prerequisite		Th-Pr	Cr	Prerequisite
<i>ECEN 314-Signals & Systems</i>	(3-1)	3	ECEN 214; MATH 308	<i>ECEN 303-Random Signals & Systems</i>	(3-1)	3	MATH 308
<i>ECEN 322-Electric & Magnetic Fields</i>	(3-1)	3	ECEN 214, MATH 311	<i>ECEN 350-Comp. Architecture & Design</i>	(3-3)	4	ECEN 248
<i>ECEN 325-Electronics</i>	(3-4)	4	ECEN 314c, MATH 311	<i>ECEN 370-Elec Properties of Materials</i>	(3-1)	3	PHYS 222
<i>PHYS 222-Modern Physics for Eng</i>	(3-0)	3	PHYS 208, MATH 308c	Technical Elective ^C		3	
Communications Elective ^A	(3-0)	<u>3</u>	ENGL 104	ECEN Elective ^C		<u>3</u>	
		16				16	
Senior							
	Th-Pr	Cr	Prerequisites		Th-Pr	Cr	Prerequisites
<i>ECEN 403-Electrical Design Lab I</i>	(2-2)	3	Comm Elec, ECEN 314, 322, 325, 303, 350, 370	<i>ECEN 404-Electrical Design Lab II</i>	(2-3)	3	ECEN 403
ECEN Elective ^C		3		ENGR/PHIL 482-Ethics & Engineering ^D		3	Sr. Classification
ECEN Elective ^C		3		ECEN Elective ^C		3	
ECEN Elective ^C		3		ECEN Elective ^C		3	
ECEN Elective ^C		<u>3</u>		ECEN Elective ^C		<u>3</u>	
		15				15	

International & Cultural Diversity Elective's^D 1) _____ 2) _____
 see University catalog

- A Select from ENGL 210; COMM 205, 243
- B UCC is University Core Curriculum. Students must select from: POLS 206 & 207 (3 cr. each), American History (6 cr's required), Social Science Elective (3 cr), Creative Arts Elective (3 cr), and International and Cultural Diversity Elective's (6 cr's required). Some International & Cultural Diversity Electives can also count for Creative Arts, Social Science or American History. Reference the TAMU UG catalog for the complete listing of approved courses. <http://catalog.tamu.edu/>
- C See advising office for listing of approved electives
- D ENGR/PHIL 482 also fulfills the UCC humanities requirement

Courses in bold must be completed with a C or better

Courses in bold & in italics are Common Body of Knowledge courses; must be completed with a C or better

Any Course with the ECEN prefix is considered upper division. To be admitted to upper division, a 2.75 GPA is required in both the CBK courses and overall GPA.

Two years of the same foreign language/sign language (high school) or two semesters of the same foreign language (college) is required for graduation.
