

Name: _____
 UIN: _____

CEEN Computer Engineering (ECE Track)

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>	(3-3)	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	
		16		University Core Curriculum Elective ^B		3		
						17		

Sophomore								
	Th-Pr	Cr	Prerequisite		Th-Pr	Cr	Prerequisite	
CSCE 121-Intro Program Design & Concepts	(3-2)	4	ENGR 112	CSCE 221-Data Struct. & Algorithms	(3-2)	4	CSCE 113; ECEN 222c	
MATH 251-Engineering Math III	(3-0)	3	MATH 152	ECEN 214-Electrical Circ. Theory	(3-3)	4	PHYS 208, MATH 308c, admitted to ECEN	
ECEN 248-Digital System Design	(3-3)	4	Admitted to ECEN	MATH 308-Differential Equations	(3-0)	3	MATH 251	
ECEN/CSCE 222 - Discrete Structures	(3-0)	3	MATH 152	University Core Curriculum Elective ^B		3		
Communications Elective ^A		3	ENGL 104	ECEN 303 or STAT 211^C		3	see below	
		17				17		

Junior								
	Th-Pr	Cr	Prerequisite		Th-Pr	Cr	Prerequisite	
CSCE 313-Intro to Computer Syst.	(3-2)	4	ECEN 350c	CSCE 315-Programming Studio	(2-2)	3	ECEN 350	
CSCE 481-Seminar	(0-2)	1		ECEN 325 - Electronics	(3-4)	4	ECEN 314c	
ECEN 314-Signals & Systems	(3-1)	3	ECEN 214; MATH 308	ECEN 449-Microprocessor Design	(2-2)	3	ECEN 248	
ECEN 350-Computer Architecture	(3-3)	4	ECEN 248	ECEN 454-Digital Int. Circuit Des.	(2-2)	3	ECEN 214 & 248	
University Core Curriculum Elective ^B		3		MATH 311-Applied Math I	(3-0)	3	MATH 308	
		15				16		

Senior								
	Th-Pr	Cr	Prerequisites		Th-Pr	Cr	Prerequisites	
ECEN 403-Electrical Design Lab I	(2-2)	3	Comm Elective, ECEN 314, 325, 303, 350, 370	ECEN 404-Electrical Design Lab II	(2-3)	3	ECEN 403	
ENGR/PHIL 482-Ethics & Engineering ^D	(2-2)	3	Sr. Classification	Area Elective ^E		3		
Engineering Elective ^E		3		Area Elective ^E		3		
Area Elective ^E		3		University Core Curriculum Elective ^B		3		
Area Elective ^E		3		University Core Curriculum Elective ^B		3		
		15				15		

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

- A Select from ENGL 210, COMM 205, 243
- B UCC is University Core Curriculum. Std must select from: Government & Political Science (6 cr), American History (6 cr), 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 on line course catalog for the complete listing of approved courses. <http://catalog.tamu.edu/>
- C ECEN 303 has a prerequisite of MATH 308. STAT 211 has a prerequisite of MATH 152; Students intending to specialize in Communications are encouraged to take ECEN 303
- D ENGR/PHIL 482 also fulfills the UCC humanities requirement
- E See advising office for listing of approved electives

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 and all CSCE 3XX-4XX level courses are 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.