

Name: _____

CEEN Computer Engineering (ECE Track)

UIN: _____

Total Credits Required: 128; Catalog Edition #136

For students entering 2013-2014

Freshman							
	Th-Pr	Cr	Prerequisite		Th-Pr	Cr	Prerequisite
_____ ENGL 104 - Composition & Rhetoric	(3-0)	3		_____ CHEM 107-Chem for Engineers	(3-3)	3	CHEM 117c
_____ ENGR 111-Foundations of Eng. I	(1-3)	2	calculus ready	_____ CHEM 117-Chem for Engineers lab	(0-3)	1	CHEM 107c
_____ MATH 151-Engineering Math I	(3-2)	4	calculus ready	_____ ENGR 112-Foundations of Eng. II	(1-3)	2	ENGR 111
_____ PHYS 218 - Mechanics	(3-3)	4	calculus ready	_____ MATH 152-Engineering Math II	(3-2)	4	MATH 151
_____ American History or another UCC ^D		3		_____ PHYS 208-Electricity & Optics	(3-3)	4	PHYS 218
_____ KINE 198 ^A	(0-2)	<u>1</u>		_____ American History or another UCC ^D		3	
		17		_____ KINE 199 ^B	(0-2)	<u>1</u>	
						18	
Sophomore							
	Th-Pr	Cr	Prerequisite		Th-Pr	Cr	Prerequisite
_____ CSCE 113-Intermed Program & Design	(1-3)	2	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
_____ ECEN 248-Digital System Design	(3-3)	4	UPPER DIVISION	_____ MATH 308-Differential Equations	(3-0)	3	MATH 251
_____ ECEN/CSCE 222 - Discrete Structures	(3-0)	3	MATH 152	_____ POLS 206 or another UCC ^D		3	
_____ Speech & Writing Skills Elective ^C		<u>3</u>	ENGL 104	_____ ECEN 303 or STAT 211 ^E		<u>3</u>	see below
		15				17	
Junior							
	Th-Pr	Cr	Prerequisite		Th-Pr	Cr	Prerequisite
_____ CSCE 313-Intro to Computer Syst.	(3-2)	4	ECEN 350c & UPPER DIVISION	_____ 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
_____ POLS 207 or another UCC ^D		<u>3</u>		_____ MATH 311-Applied Math I	(3-0)	<u>3</u>	MATH 308
		15		(MATH 309 acceptable substitution for 311)		16	
Senior							
	Th-Pr	Cr	Prerequisites		Th-Pr	Cr	Prerequisites
_____ ECEN 403-Electrical Design Lab I	(2-2)	3	Speech Elective, ECEN 214, 314, 325	_____ ECEN 404-Electrical Design Lab II	(2-3)	3	ECEN 403
_____ ENGR/PHIL 482-Ethics & Engineering ^F	(2-2)	3	Sr. Classification	_____ Area Elective ^G		3	
_____ Engineering Elective ^G		3		_____ Area Elective ^G		3	
_____ Area Elective ^G		3		_____ Social Science Elective or another UCC ^D		3	
_____ Area Elective ^G		<u>3</u>		_____ Vis. & Perf. Arts elective or another UCC ^D		<u>3</u>	
		15				15	

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

2) _____

- A KINE 198 may be taken S/U or for a regular grade
- B KINE 199 must be taken S/U
- C Select from ENGL 210, 301 (Jr/Sr classification), 241; COMM 205, 243; ENGL 210 is no longer offered at TAMU but we accept transfer course equivalents.
- D UCC is University Core Curriculum. Std must select from: POLS 206 & 207 (3 cr. each), American History (6 cr's required), Social Science Elective (3 cr), Visual & Performing Arts Elective (3 cr), and International and Cultural Diversity Elective's (6 cr's required). Some International & Cultural Diversity Electives can also count for Visual & Performing Arts, Social Science or American History. Reference the on line course catalog for the complete listing of approved courses. <http://catalog.tamu.edu/>
- E 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
- F ENGR/PHIL 482 also fulfills the UCC humanities requirement
- G 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.