

Name: _____
 UIN: _____

CEEN Computer Engineering (ECE Track)

Total Credits Required: 128

For students entering 2010-2011 and later.

Freshman				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	HS Chem, 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
American History ^D		3		<i>PHYS 208-Electricity & Optics</i>	(3-3)	4	PHYS 218
KINE 198 ^A	(0-2)	1		American History ^D		3	
		<u>17</u>		KINE 199 ^B	(0-2)	1	
						<u>18</u>	
Sophomore				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
ECEN 248-Digital System Design	(3-3)	4	Upper Division	ECEN 214-Electrical Circ. Theory	(3-3)	4	PHYS 208, MATH 308c
ECEN 222 - Discrete Math	(3-0)	3	MATH 152	STAT 211-Principles of Statistics I	(3-0)	3	MATH 152
MATH 251-Engineering Math III	(3-0)	3	MATH 152	MATH 308-Differential Equations	(3-0)	3	MATH 251
Speech & Writing Skills Elective ^C		3		POLS 206-American Government		3	
		<u>15</u>				<u>17</u>	
Junior				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
POLS 207-State & Local Govt.		3	ENGL 104	MATH 311-Applied Math I	(3-0)	3	
		<u>15</u>				<u>16</u>	
Senior				Senior			
	Th-Pr	Cr	Prerequisites		Th-Pr	Cr	Prerequisites
ECEN 403-Electrical Design Lab I	(2-2)	3	ENGL 301, Maj Fld*	ECEN 404-Electrical Design Lab II	(2-3)	3	ECEN 404, Maj Fld*
ENGR/PHIL 482-Ethics & Engineering	(2-2)	3		Area Elective ¹		3	
Engineering Elective ²		3		Area Elective ¹		3	
Area Elective ¹		3		Social Science Elective ^D		3	
Area Elective ¹		3		Visual & Performing Arts Elective ^D		3	
		<u>12</u>				<u>15</u>	

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, 241, 301 or COMM 205 or 243

D **Per university catalog, 6 credits of International & Cultural Diversity must be taken. However, these courses can also count for Visual & Performing Arts, Social Science or American History. Please see advising office for listing of approved courses.**

Visual Arts & Social Science Electives must be chosen from catalog

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

Courses in bold must be completed with a C or better!

1 See advising office for listing of approved electives

2 See advising office for listing of approved electives