Bachelor of Science in Computer Engineering

	Course	Course Title	Units
TOTAL UNITS TO DEGREE:			**128**
	Course	Course Title	Units
First Semester (suggested timeline for GE; adjust as needed for major)			
B4	MATH 130	Calculus I	4
B1/B3	PHYS 135	Physics I Newtonian Mechanics	4
	CHEM 110	General Chemistry for Engineering	3
A1			3
C1			3
		TOTAL:	17
Second Semester (suggested timeline for GE; adjust as needed for major)			
A2			3
	MATH 131	Calculus II	3
	PHYS 136	Physics II Electricity and Magnetism	4
C2			3
D1/Code 1			3
B2			3
		TOTAL:	19
Third Semester (suggested timeline for GE; adjust as needed for major)			
A3			3
	CS 101	Intro to CS I	4
	CS 211	Discrete Math	3
	MATH 230	Calclus III	3
Writing II	ENGR 200	Introduction to Engineering and Design	3
		TOTAL:	16
Fourth Semester (suggested timeline for GE; adjust as needed for major)			
	CS 201	Intro to CS II	4
	CMPE 221	Computer Organization & Assembly Language	3
	ENGR 230	Electric Circuits I	3
	MATH 210	Linear Algebra & Differential Equations	3
D2/Code 2			3
		TOTAL:	16
Fifth Semester (suggested timeline for GE; adjust as needed for major)			
	ENGR 220	Statics	3
	CS 301	Data Structures	4
	CMPE 321	Computer Architecture	3
	CMPE 322	Digital Design Lab	1
	CMPE 330	Electric Circuits II	3
	MATH 375	Differential Equations I	3
		TOTAL:	17

Up to 9 units may be double counted, as follows: 3 units LD GE with Major Prefix; 3 units Code with LD GE; and 3 units Writing II with Major. LD GE courses that are required in the major, but outside of the major prefix, are permissible.

Please enter all courses required for the major, including any prerequisites. If there are any General Education courses that are recommended to complement the major they should be included in the table below, and listed in the road map.

General Education and University Requirements-Suggested Courses

A1. first semester
A2. second semester
A3. third semester
B1. PHYS 135
B2. second semester
B3. PHYS 135
B4. MATH 130
C1. first semester
C2. second semester
C3. seventh semester
D1. second semester
D2. fourth semester
D3. sixth semester
E. waived
Code 1. second semester
Code 2. fourth semester
Writing II ENGR 200
B6. eighth semester
C4. eighth semester
D4. seventh semester

UD Major	Elective	3
CMPE 344	Microproces f 3tive	