

## California State University, Chico — Electrical and Computer Engineering Dept. Four-Year Curriculum

**2007/2009 Catalog**

**❖ BS in Computer Engineering ❖**

Students following the program below will satisfy the requirements for the Computer Engineering major as well as the General Education requirement of the University. Also required: 132 semester units; 2.0 GPA required: in major (108 units), in all CSUC EECE and CSCI- prefix courses, and in all CSUC courses.

FRESHMAN YEAR					SOPHOMORE YEAR					
Course No.	Title	Offered	Fall	Grade	Course No.	Title	Offered	Fall	Grade	
EECE 101	Intro to ECE	Fa/Sp	2		EECE 221	Proc .Architect./Assembly Lang. Program	Fa/Sp	3		
CHEM 111	General Chemistry(B1)	Fa/Sp	4		CSCI 112	Programming and Algorithms II	Fa/Sp	3		
ENGL 130	Freshman Composition (A2)	Fa/Sp	3		MATH 220	Anal. Geometry & Calculus	Fa/Sp	4		
MATH 120	Anal. Geometry & Calculus (B3)	Fa/Sp	4		PHYS 204B	Electricity/Magnetism	Fa/Sp	4		
GE	Area C1, C2, or C3 (see GE Thematic)		3		HIST 130	United States History (C)	Fa/Sp	3		
				Spring	Grade				Spring	Grade
EECE 144	Logic Design Fundamentals	Fa/Sp		4	EECE 211	Linear Circuits I	Fa/Sp		3	
EECE 135	Algorithms & Programs for Engineers	Fa/Sp		3	EECE 211L	Linear Circuits I Activity	Fa/Sp		1	
MATH 121	Anal. Geometry & Calculus	Fa/Sp		4	MATH 260	Elem. Differential Equations	Fa/Sp		4	
PHYS 204A	Mechanics	Fa/Sp		4	PHYS 204C	Heat/Wave Motion/Sound/Light	Fa/Sp		4	
GE	Area D1,D2, or D3 (see GE Thematic)	Fa/Sp		3	CMST 131	Speech/Comm Fundamentals (A1)	Fa/Sp		3	
					POLS 155	American Government (D)	Fa/Sp		3	
	<b>Freshman Year Units</b>		<b>16</b>	<b>18</b>		<b>Sophomore Year Units</b>		<b>17</b>	<b>18</b>	

JUNIOR YEAR					SENIOR YEAR					
Course No.	Title	Offered	Fall	Grade	Course No.	Title	Offered	Fall	Grade	
EECE 311	Linear Circuits II (UT)	Fa/Sp	4		+	Restricted Electives	Fa/Sp	3		
EECE 315	Electronics I	Fa/Sp	4		EECE 335	Project Req.,Design & Testing	Fa/Sp	3		
EECE 344	Digital Systems Design	Fa/Sp	4		EECE 431	Software Engr-Requrmt. & Design	Fa	3		
CSCI 311	Algorithms and Data Structures	Fa/Sp	3		EECE 490A	Senior Project Planning (WP)	Fa/Sp	3		
EECE 320	Sys. Architecture & Performance	Fa	3		GE	^ Upper Division Thematic		3		
				Spring	Grade				Spring	Grade
EECE 343	Computer Interface Circuits	Fa/Sp		4	EECE 490B	Senior Project	Fa/Sp		2	
EECE 365	Continuous-Time Sig and Trans.	Fa/Sp		4	EECE 437	Real-Time Embedded Systems	Sp		4	
CIVL 302	Engineer. Econ & Statistics (D)	Fa/Sp		3	CIVL 495	Lifelong Develop for Engineers (E)	Fa/Sp		3	
EECE 444	Microprocessor System Design	Sp		4	+	Restricted Electives	Fa/Sp		3	
					GE	^ Upper Division Thematic	Fa/Sp		3	
	<b>Junior Year Units</b>		<b>18</b>	<b>15</b>		<b>Senior Year Units</b>		<b>15</b>	<b>15</b>	
<b>TOTAL UNITS</b>									<b>132</b>	

+ Restricted Electives: Any approved upper-division ECE course not otherwise required, with adviser approval.

September, 2007

^ Upper-Division Thematic: (See GE Thematic)

General Education courses taken under Areas C1, C2, C3, D1, D2, D3 or Upper Division Thematic must include one Ethnic and one Non-Western course.

WP = Writing Proficiency course; UT = Upper-Division Thematic