

**Bachelor of Science in Computer Engineering**

Course		Course Title		Units
<b>Prerequisite</b>		<b>Fall ( Year 1, Semester 1)</b>		
MATH 120 w C-, MATH 125 w C-	LD major/B4	MATH 130	Calculus I	4
Co-requisites MATH 130	LD major/B1	PHYS 135	Physics for Scientists and Engineers I	4
Adequate score on Math Placement exam	LD major	CS 101	Intro to CS I	4
	A1	COMM 100/104		3
	C1		Student Choice	3
<b>Total Units:</b>				<b>18</b>

Course		Course Title		Units
<b>Prerequisite</b>		<b>Spring (Year 1, Semester 2)</b>		
	A2	ENGL 102	Accelerated College Writing	3
C- or better in MATH 130	LD major	MATH 131	Calculus II	3
MATH 130, PHYS 135	LD major/B3	PHYS 136	Physics for Scientists and Engineers II	4
	Writing II/WID	ENGR 200	Introduction to Engineering and Design	3
	C2		Student Choice	3
<b>Total Units:</b>				<b>16</b>

Course		Course Title		Units
<b>Prerequisite</b>		<b>Fall ( Year 2, Semester 3)</b>		
	A3	PHIL 100	Workshop in Clear thinking	3
C- or better in CS 101	LD major	CS 201	Intro to CS II	4
C- or better in MATH 130	LD major	CS 211	Discrete Math	3
C- or better in MATH 131	LD major	MATH 230	Calculus III	3
Satisfaction of ELM course	LD major	Chem 110	Chemistry for Engineers	3
	D1/Code 1		Student Choice	3
<b>Total Units:</b>				<b>19</b>

Course		Course Title		Units
<b>Prerequisite</b>		<b>Spring (Year 2, Semester 4)</b>		
C- or better in CS 100 or CS 101	LD major	CMPE 221	Computer Organization & Assembly Language	3
PHYS 136, MATH 210	LD major	ENGR 230	Electric Circuits I	3
MATH 130 Co-requisites MATH 131	LD major	MATH 210	Linear Algebra & Differential Equations	3
PHYS 135	LD major	ENGR 220	Statics	3
	D2/Code 2		Student Choice	3
<b>Total Units:</b>				<b>15</b>

Course		Course Title		Units
<b>Prerequisite</b>		<b>Fall ( Year 3, Semester 5)</b>		
CS 201, CS 211	UD major	CS 301	Data Structures	3
C- or better in CS 211, CS 221	UD major	CMPE 321	Computer Architecture	3
Co-requisites CS 321	UD major	CMPE 322	Digital Design Lab	1
ENGR 230	UD major	CMPE 330	Electric Circuits II	3
C- or better in MATH 131, MATH 210	UD major	MATH 375	Differential Equations I	3
	B2		Student Choice	3
<b>Total Units:</b>				<b>16</b>

Course		Course Title		Units
<b>Prerequisite</b>		<b>Spring (Year 3, Semester 6)</b>		
MATH 130	UD Major	INDE 330	Engineering Statistics and Probability	3
CS 301	UD Major	CMPE 344	Microprocessor Lab	3
CMPE 330	UD Major	CMPE 370	Digital Signal Processing I	3
	UD Major	Elective	Student Choice	3
	D3		Student Choice	3
<b>Total Units:</b>				<b>15</b>

Course		Course Title		Units
<b>Prerequisite</b>		<b>Fall ( Year 4, Semester 7)</b>		
ENGR 310, CMPE 344, CMPE 370	UD Major	CMPE 492	Senior Design I	3
CS 321, CMPE 322	UD Major	CMPE 421	Computer Architecture II	3
	UD Major	Elective	Student Choice	3
	D4		Student Choice	3
	Add'l C1/C2		Student Choice	3
<b>Total Units:</b>				<b>15</b>

Course		Course Title		Units
<b>Prerequisite</b>		<b>Spring (Year 4, Semester 8)</b>		
CMPE 492 Co-requisites CMPE 480	UD Major	CMPE 493	Senior Capstone: Senior Design II	3
CS 321, CHEM 110	UD Major	CMPE 480	VLSI Circuit Design/Layout	4
	B6		Student Choice	3
	C4		Student Choice	3
<b>Total Units:</b>				<b>13</b>