

## B.S. in COMPUTER ENGINEERING

### First Year

<u>First Semester</u>				<u>Second Semester</u>			
MATH	153	Calculus I	4	MATH	154	Calculus II	4
CHEM	135	College Chemistry	5	PHYS	281	University Physics I	5
ENGL	101	Freshmen Composition	3	ENGL	102	Freshmen Reading & Writing	3
CS	144	Computer Science I	3	CS	145	Computer Science II	3
		Health & Wellness	1			<i>Health &amp; Wellness Elec.</i>	1
		<b>Total Credits Hours</b>	<b>16</b>			<b>Total Credit Hours</b>	<b>16</b>

### Second Year

<u>First Semester</u>				<u>Second Semester</u>			
CEE	205	Circuit Analysis and Design	4	CEE	215	Electronics	4
CEE	225	Digital Logic	3	CEE	235	Signal and Systems	3
MATH	250	Diff. Eqs. and Linear Algebra	3	CS	244	Data Structures	3
PHYS	282	University Physics II	5	STAT	330	Probability & Statistics	3
INMG	300	Engineering Economy	2	MECH	293	Engineering Mechanics	3
		<b>Total Credit Hours</b>	<b>17</b>			<b>Total Credit Hours</b>	<b>16</b>

### Third Year

<u>First Semester</u>				<u>Second Semester</u>			
CS	245	Intro. Computer Organization	3	CEE	345	Microprocessor Sys. Design	3
CEE	325	Digital System Design	3	CEE	355	Electromagnetic Wave Prop.	3
CEE	335	Fundamentals of Control Sys.	4	CS	441	Computer Architecture	3
MECH	294	Mechanics of Materials	3	MFGE	275	Thermodynamics & Heat Transfer	2
MATH	xxx	Discrete Mathematics	3	PHIL	235	General Ethics	3
		<b>Total Credits</b>	<b>16</b>			<i>Humanities/Soc. Science Elec.</i>	3
						<b>Total Credits</b>	<b>17</b>

### Fourth Year

<u>First Semester</u>				<u>Second Semester</u>			
CEE	405	Senior Design I	2	CEE	410	Senior Design II	2
CEE	425	Data Com. & Cp. Networking	3	CS	442	System Programming	3
CEE	445	Embedded Systems	3	SPCOM	100	Speech	2
CEE	Elective* (see below)		3			<i>Humanities/Soc. Science Elec</i>	3
		<i>Gen. Ed. Technology</i>	2			<i>Humanities/Soc. Science Elec</i>	6
		<i>Humanities/Soc. Science Elec</i>	3			<b>Total Credit Hours</b>	<b>16</b>
		<b>Total Credit Hours</b>	<b>16</b>				

**Total Credits 130**

\*CEE Elective: Choose CEE 435 Digital Signal Processing or CEE 455 Fund of Wireless Communication