

**Computer Engineering**  
**Bachelor of Science in Computer Engineering (B.S.Cp.E.) <035T>**  
 Catalog Year 2016-17

First Semester				Second Semester			
ENGL	101	Composition and Rhetoric ( <i>GEF 1</i> )	3.00	ENGL	102	Composition and Rhetoric ( <i>GEF 1</i> )	3.00
MATH	155	Calculus I ( <i>GEF 3</i> )	4.00	MATH	156	Calculus II ( <i>GEF 8</i> )	4.00
WVUE	191	Freshman Seminar	1.00	ENGR	101	Engineering Problem Solving I	2.00
CS	121	Computer Science I	4.00	CS	122	Computer Science II	4.00
CHEM	115	Fund of Chemistry I ( <i>GEF 8</i> )	4.00	<i>GEF</i>	<i>5</i>	Human Inquiry and the Past	3.00
			<b>16.00</b>				<b>16.00</b>
Third Semester				Fourth Semester			
MATH	251	Multivariable Calculus	4.00	MATH	261	Elementary Differential Equations	4.00
PHYS	111	General Physics ( <i>GEF 2B</i> )	4.00	PHYS	112	General Physics ( <i>GEF 8</i> )	4.00
EE	200	ECE Software Tools	2.00	EE	223	Electrical Circuits	3.00
EE	221	Intro. Electrical Engr.	3.00	EE	224	Electrical Circuits Lab	1.00
EE	222	Intro. Electrical Engr. Lab	1.00	CPE	271	Digital Logic Design	3.00
CS	201	Data Structures	3.00	CPE	272	Digital Logic Design Lab	1.00
			<b>17.00</b>				<b>16.00</b>
Fifth Semester				Sixth Semester			
EE	355	Analog Electronics	3.00	EE	311	Junior Instrumentation Lab	1.00
EE	356	Analog Electronics Lab	1.00	CPE	421	Embedded Systems	4.00
EE	327	Signals and Systems I	3.00	CS	222	Software Engineering	3.00
CPE	310	Microprocessor Systems	3.00	MATH	378	Discrete Mathematics	3.00
CPE	311	Microprocessor Lab	1.00	ENGL	305	Technical Writing	3.00
<i>GEF</i>	<i>6</i>	The Arts and Creativity	3.00				<b>14.00</b>
MATH	448	Probability and Statistics	3.00				
			<b>17.00</b>				
Seventh Semester				Eighth Semester			
EE	480	Senior Design Seminar	3.00	EE	481	Senior Design Projects	3.00
CPE	442	Computer Architecture	3.00	CPE		Computer Engr. Elective <sup>(1)</sup>	3.00
CS	263	Principles of Networking	3.00			Technical Elective <sup>(2)</sup>	3.00
ECON	401	Managerial Economics ( <i>GEC 4</i> )	3.00			Technical Elective <sup>(2)</sup>	3.00
CPE		Computer Engr. Elective <sup>(1)</sup>	3.00	<i>GEF</i>	<i>7</i>	Global Studies and Diversity	3.00
			<b>15.00</b>	EE	400	Community Service	0.00
							<b>15.00</b>

**Total hours necessary to earn the B.S.C.E. degree = 126.00**

Notes: <sup>(1)</sup> The CPE/EE electives are those courses that have a CPE or EE course prefix.

<sup>(2)</sup> The Technical Electives are to be selected from an approved list.