

BCE (Bachelor of Computer Engineering) 3-Year Degree Map

March 20, 2014

<i>AP credits or "Pre" Summer Semester</i>								
MTH 181 Calculus I	4	X	M/QL		MTH 182 Calculus	4	X	M/QL
<i>Sub-total</i>	8							

<i>First Year</i>													
Fall Semester	Credits	Major	Gen Ed		Spring Semester	Credits	Major	Gen Ed		Summer Semester	Credits	Major	Gen Ed
EEC 383 Digital Systems	3	X			EEC 311 Electric Circuits II	4	X			ENG 100 or ENG 101 College Writing	3		W/C
ESC 151 C Programming	3	X			EEC 384 Digital Labs	2	X			CHM 261 General Chemistry I	3	X	NS
ESC 100 New Student Orientation	1	X	INTRO		EEC 313 Electronics I	3	X			CHM 266 General Chemistry I Lab	1	X	NS
ESC 250 Differential Equations for Engineers	3	X			CIS 260 Intro to Programming	4	X			PHY 244 University Physics II (Writing)	5	X	WAC
EEC 310 Electric Circuits I	4	X			PHY 243 University Physics I (Writing)	5	X	NS/WAC					
ESC 120 Intro to Engineering Design	2	X											
<i>Semester Total</i>	16				<i>Semester Total</i>	18				<i>Semester Total</i>	12		

<i>Second Year</i>													
Fall Semester	Credits	Major	Gen Ed		Spring Semester	Credits	Major	Gen Ed		Summer Semester	Credits	Major	Gen Ed
EEC 487 Advanced Digital Systems	3	X			EEC 483 Computer Organization	3	X						
EEC 316 Electronics Device Lab	1	X			EEC 486 Operation Systems	3	X						
ESC 310 Engineering Statistics & Probability	3	X			PHL 215 Engineering Ethics	3	X	A&H WAC		MTH 284 Matrices for Engineers	2	X	
ENG 102 or ESC 102 Technical Writing	3		W/C		ESC 282 Engineering Economy	3	X	SS		General Education Elective	3		DIV
MTH 220 Discrete Mathematics	3	X			EEC 484 Computer Networks	3	X			General Education Elective	3		DIV
CIS 265 Data Structures & Algorithms	4	X											
<i>Semester Total</i>	17				<i>Semester Total</i>	15				<i>Semester Total</i>	8		

<i>Third Year</i>													
Fall Semester	Credits	Major	Gen Ed		Spring Semester	Credits	Major	Gen Ed		Summer Semester	Credits	Major	Gen Ed
EEC 493 Senior Design I	2	X			EEC 494 Senior Design II	3	X	CAP					
EEC 488 Hardware-Software Codesign	3	X			EEC Tech Elective	3	X						
EEC 421 Software Engineering	3	X			EEC Tech Elective	3	X						
EEC Tech Elective	3	X			EEC Tech Elective	3	X						
General Education Elective	3		SS		General Education Elective	3		A&H					
EEC 414 Writing in Elec & Comp Eng	2	X	WAC										
<i>Semester Total</i>	16				<i>Semester Total</i>	15							

Degree Total

125