

## BEE (Bachelor of Electrical Engineering) 3-Year Degree Ma

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

<i>First Year</i>					
Fall Semester	Credits	Major	Gen Ed		Spring Semester
PHY 244 University Physics I (Writing)	5	X	WAC / NC		EEC 311 Electric Circuits II
MTH 283 Multivariate Calculus for Engineers	2	X			EEC 312 Circuits Lab
MTH 284 Matrices for Engineers	2	X			EEC 313 Electronics I
ESC 250 Differential Equations for Engineers	3	X			ESC 120 Intro to Engineering Design
EEC 310 Electric Circuits I	4	X			PHY 243 University Physics II (Writing)
ESC 100 New Student Orientation	1	X	INTRO		
<i>Semester Total</i>	17				<i>Semester Total</i>

<i>Second Year</i>					
Fall Semester	Credits	Major	Gen Ed		Spring Semester
EEC 314 Electronics II	3	X			EEC Tech Elective
EEC 315 Electronics Lab	2	X			EEC 384 Digital Labs
EEC 361 Electro-Mech Energy Conversion	3	X			PHL 215 Engineering Ethics
EEC 383 Digital Systems	3	X			EEC 460 Engineering Electromagnetics
ENG 102 or ESC 102 Technical Writing	3		W/C		EEC 440 Control
					EEC 441 Control Lab
<i>Semester Total</i>	14				<i>Semester Total</i>

<i>Third Year</i>					
Fall Semester	Credits	Major	Gen Ed		Spring Semester
EEC 450 Communications	3	X			EEC 494 Senior Design II
EEC 451 Communications Lab	2	X			EEC Tech Elective
EEC470 Power Eletronics	3	X			EEC Tech Elective
EEC470 Power Eletronics Lab	2	X			EEC Tech Elective
EEC 493 Senior Design I	2	X			General Education Elective
EEC 414 Writing in Elec & Comp Eng	2	X	WAC		EEC Tech Elective
<i>Semester Total</i>	14				<i>Semester Total</i>

Degree Total

128

ap

March 20, 2014

4	X	M/QL

Credits	Major	Gen Ed	Summer Semester	Credits	Major	Gen Ed
4	X		ENG 100 or ENG 101 College Writing	3		W/C
2	X		CHM 261 General Chemistry I	3	X	NS
3	X		CHM 266 General Chemistry I Lab	1	X	NS
2	X		ESC 151 C Programming	3	X	
5	X	WAC	General Education Elective	3		DIV
16			<i>Semester Total</i>	13		

Credits	Major	Gen Ed	Summer Semester	Credits	Major	Gen Ed
3	X		ESC 310 Eng. Statistics & Probability	3	X	
2	X		ESC 282 Engineering Economy	3	X	SS
3	X	A&H WAC	General Education Elective	3		DIV
4	X		General Education Elective	3		A&H
3	X					
2	X					
17			<i>Semester Total</i>	12		

Credits	Major	Gen Ed	Summer Semester	Credits	Major	Gen Ed
3	X	CAP				
3	X					
3	X					
2	X					
3		SS				
3	X					
17						