

Associate in Engineering (AE) to BS in Engineering - Biomedical Engineering

	ECU Course	ECU S.H.	NCCCS Course Equivalent
<b>Freshman Year at Community College</b>			
<b>Fall Semester</b>	COAD 1XXX	1	ACA 122
	ENGL 1100 (WI)	3	ENG 111
	ENGR 1000 + 1012 + 1016	5	EGR 150 + DFT 170 <sup>1</sup>
	MATH 2151 or 2171	3	MAT 271
	<b>Total:</b>	<b>12</b>	
<b>Spring Semester</b>	ENGL 2201 (WI)	3	ENG 112
	CHEM 1150/1151	4	CHM 151
	MATH 2152 or 2172	3	MAT 272
	Social/Behavioral Sciences	6	Choose with CC advisor
	<b>Total:</b>	<b>16</b>	
<b>Sophomore Year at Community College</b>			
<b>Fall Semester</b>	PHYS 2350	4	PHY 251
	MATH 2153 or 2173	3	MAT 273
	Humanities	3	Choose with CC advisor
	ENGR 2022	3	EGR 220
	<b>Total:</b>	<b>13</b>	
<b>Spring Semester</b>	PHYS 2360	4	PHY 252
	Fine Arts & Communication	3	Choose with CC advisor
	Social/Behavioral Science	3	Choose with CC advisor
	ENGR 2450	3	EGR 225
	ENGR 2050	3	CSC 134, 136, or 151
	<b>Total:</b>	<b>16</b>	
<b>Junior Year at East Carolina University</b>			
<b>Fall Semester</b>	BIOL 1050/1051 or 1100/1101	4	BIO 110 or 111
	ENGR 2070	3	No Equivalent
	MATH 3307	3	No Equivalent
	HLTH 1000	2	HEA 110
	<b>Total:</b>	<b>12</b>	
<b>Spring Semester</b>	ENGR 3800	3	No Equivalent
	BIME 2080	2	No Equivalent
	MATH 2154	4	No Equivalent
	KINE 1000	1	PED 110
	<b>Total:</b>	<b>10</b>	
<b>Senior Year at East Carolina University</b>			
<b>Fall Semester</b>	ENGR 2000	1	No Equivalent
	ENGR 3024 (WI)	3	No Equivalent
	ENGR 2514	4	EGR 215/216
	ENGR 3420	2	No Equivalent
	BIME 4040	3	No Equivalent
	<b>Total:</b>	<b>13</b>	
<b>Spring Semester</b>	ENGR 3000	2	No Equivalent
	ENGR 3050	3	No Equivalent
	ENGR 3034	4	No Equivalent
	BIME 4050	3	No Equivalent
	<b>Total:</b>	<b>12</b>	
<b>Supplemental Year at East Carolina University</b>			
<b>Fall Semester</b>	ENGR 4010 (WI)	2	No Equivalent
	BIME 4200	4	No Equivalent
	Technical Elective	3	No Equivalent
	General Elective	3	No Equivalent
	<b>Total:</b>	<b>12</b>	
<b>Spring Semester</b>	ENGR 4020 (WI)	2	No Equivalent
	Technical Elective	3	No Equivalent
	BIME 4030	4	No Equivalent
	Humanities/Fine Arts	1	No Equivalent
	Social/Behavioral Science	3	No Equivalent
	<b>Total:</b>	<b>13</b>	

Minimum S.H. Required for Degree 128

Students must complete a minimum of 64 s.h. at the four year institution to graduate.

<sup>1</sup>Students must bundle EGR 150 and DFT 170 to receive credit for ENGR 1000 + 1012 + 1016

*All guides are meant as an example of how a degree can be completed. However, individual plans will be developed for each student in consultation with the academic advisor. Course availability, prior credit, course prerequisites, major requirements, and student needs must be considered in developing the individual academic pathway.*