Associate in Engineering (AE) to BS in Engineering - Industrial & Systems Engineering

	ECU Course	ECU S.H.	NCCCS Course Equivalent
Freshman Year at Community College			
Fall Semester	COAD 1XXX	1	ACA 122
	ENGL 1100 (WI)	3	ENG 111
	ENGR 1000 + 1012 + 1016	5	EGR 150 + DFT 170[1]
	MATH 2151	3	MAT 271
	Total:	12	
Spring Semester	ENGL 2201 (WI)	3	ENG 112
	CHEM 1150/1151	4	CHM 151
	MATH 2152	3	MAT 272
	ECON 2113	3	ECO 251
	Social/Behavioral Science	3	Choose with CC advisor
	Total:	16	
Sophomore Year at Community College			
Fall Semester	PHYS 2350	4	PHY 251
	MATH 2153	3	MAT 273
	Humanities	3	Humanities
	ENGR 2022	3	EGR 220
	Total:	13	
Spring Semester	PHYS 2360	4	PHY 252
	Fine Arts & Communication	3	Fine Arts & Communication
	Social/Behavioral Science	3	Social/Behavioral Science
	ENGR 2450	3	EGR 225
	ENGR 2050	3	CSC 134, 136, or 151
	Total:	16	
Junior Year at East Carolina University			
Fall Semester	BIOL 1050/1051 or 1100/1101	4	BIO 110 or 111
	ENGR 2070	3	No Equivalent
	MATH 3307	3	No Equivalent
	ENGR 3420	2	No Equivalent
	HLTH 1000	2	HEA 110
	Total:	14	
Spring Semester	ENGR 3800	3	No Equivalent
	MATH 2154	4	No Equivalent
	PHIL 2274 or 2275	3	No Equivalent
	Total:	10	
Senior Year at East Carolina University			
Fall Semester	ENGR 2000	1	No Equivalent
	ENGR 3024 (WI)	3	No Equivalent
	ENGR 2514	4	EGR 215/216
	ISYS 3060	3	No Equivalent
	KINE 1000	1	PED 110
	Total:	12	
Spring Semester	ENGR 3000	2	No Equivalent
	ENGR 3050	3	No Equivalent
	ENGR 3012	4	No Equivalent
	ISYS 4010	3	No Equivalent
	ISYS 3010	3	No Equivalent
	Total:	15	
Supplemental Year at East Carolina University			
Fall Semester	ENGR 4010 (WI)	2	No Equivalent
	Technical Elective	3	No Equivalent
	ISYS 4020	3	No Equivalent
	Social/Behavioral Science	3	No Equivalent
	Humanities/Fine Arts	1	No Equivalent
	Total:	12	
Spring Semester	ENGR 4020 (WI)	2	No Equivalent
	ISYS 4065	3	No Equivalent
	Technical Elective	4	No Equivalent
	Total:	9	

Minimum S.H. Required for Degree   128

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

[1]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.