Associate in Science (AS) to BS Engineering, Mechanical Engineering Concentration

The sequence below is contingent on the student completing the AS degree from a college in the North Carolina Community College System.

	ECU Course	ECU S.H.	NCCC S.H.	NCCCS Course Equivalent
Freshman Year				
Fall Semester	COAD 1xxx	1	1	ACA 122
	ENGL 1100 (WI)[1]	3	3	ENG 111
	Math *MATH 2171 Rec.*	4	4	UGETC Course *MAT 271*
	Humanities/Fine Arts *Global Diversity Rec.* [3]	3	3	UGETC Course
	CAA GEN ED *CHEM 1150/51 Rec.*	4	4	CAA GEN ED *CHM 151*
	CAA Premajor/Elective *ENGR 1000/12/16 Rec.* [4]	2	2	CAA Premajor/Elective *EGR 150* [4]
	Total:	**17**	**17**	
Spring Semester	ENGL 2201 (WI)[1]	3	3	ENG 112
	Social Science	3	3	UGETC Course
	Humanities/Fine Arts	3	3	UGETC Course
	Math *MATH 2172 Rec.*	4	4	UGETC Course *MAT 272*
	CAA Premajor/Elective *ENGR 1000/12/16 Rec.* [4]	3	3	CAA Premajor/Elective *DFT 170* [4]
	Total:	**16**	**16**	
Sophomore Year				
Fall Semester	Social Science *Domestic Diversity Rec.* [3]	3	3	UGETC Course (one course should have Domestic Diversity designation)
	Natural Science *PHYS 2350 Rec.*	4	4	UGETC Course *PHY 251*
	CAA GEN ED *MATH 2173 Rec.*	4	4	CAA GEN ED *MAT 273*
	CAA Premajor/Elective *ENGR 2022*	3	3	CAA Premajor/Elective *EGR 220*
	CAA Premajor/Elective *MATH 3256 Rec.* [5]	3	3	CAA Premajor/Elective *MAT 280* [5]
	Total:	**17**	**17**	
Spring Semester	Natural Science *PHYS 2360 Rec.*	4	4	UGETC Course *PHY 252*
	CAA Premajor/Elective *MATH 4331 Rec.* [5]	3	3	CAA Premajor/Elective *MAT 285* [5]
	CAA Premajor/Elective *ENGR 2450*	3	3	CAA Premajor/Elective *EGR 225*
	CAA Premajor/Elective *ENGR 2050*	3	3	CAA Premajor/Elective *CSC 134 or CSC 151 or EGR 214*
	CAA GEN ED	3	3	CAA GEN ED

	Total:	**16**	**16**	
Summer Term (at ECU)				
Summer Term (at ECU)	ENGR 2070	3	-	No Equivalent
	Total:	**3**	**3**	
Junior Year				
Fall Semester	ENGR 2000	1	-	No Equivalent
	ENGR 2514	4	-	No Equivalent
	ENGR 3024 (WI)[1]	3	-	No Equivalent
	ENGR 3034	4	-	No Equivalent
	MATH 3307	3	-	No Equivalent
	Total:	**15**	**0**	
Spring Semester	ENGR 3000	2	-	No Equivalent
	ENGR 3420	2	-	No Equivalent
	ENGR 3800	3	-	No Equivalent
	MENG 3073	3	-	No Equivalent
	MENG 4153	3	-	No Equivalent
	MENG 4650	3	-	No Equivalent
	Total:	**16**	**0**	
Senior Year				
Fall Semester	ENGR 3050	3	-	No Equivalent
	ENGR 4010 (WI)[1]	2	-	No Equivalent
	MENG 3624	3	-	No Equivalent
	MENG 4263	3	-	No Equivalent
	Technical Elective	3	-	No Equivalent
	Total:	**14**	**0**	
Spring Semester	BIOL 1050/51 or 1100/01	4	4	BIO 110 or BIO 111
	ENGR 3800	3	-	No Equivalent
	ENGR 4020 (WI)[1]	2	-	No Equivalent
	HLTH 1000	2	3	HEA 110[2]
	KINE 1000	1	-	HEA 110[2]
	Technical Elective	4	-	No Equivalent
	Total:	**16**	**3**	

Minimum S.H. Required for Degree 128

The Bachelor of Science in Engineering requires a minimum of 128 semester hours. ECU requires a minimum 2.0 overall GPA and a minimum 2.0 major GPA for graduation.

[1]Students enrolling at ECU must fulfill the writing across the curriculum requirement prior to graduation. To do so, each student must complete a minimum of 12 semester hours of writing intensive (WI) courses, including ENGL 1100 and ENGL 2201; at least 3 semester hours of WI courses in the major; and any other 3 semester hours WI course of the student's choice.

[2]Students who have successfully completed HEA 110 since the Fall 2016 term will earn ECU credit for both HLTH 1000 (2 hours) and KINE 1000 (1 hour). Students who completed HEA 110 prior to the Fall 2016 term and who have not also taken PED 110 will be responsible for meeting the Health-Related Physical Activity Competency component of the ECU General Education Program to meet degree requirements.

[3]Students enrolling at ECU are required to complete two three-hour diversity courses: one course with a domestic diversity (DD) focus and one with a global diversity (GD) focus. Courses that transfer to ECU as equivalent to an ECU course that is approved for diversity credit receive diversity credit. Transfer courses that are not equivalent to existing ECU diversity courses may be approved for diversity credit by the General Education and Instructional Effectiveness Committee. For a list of ECU courses that carry the DD and GD designation, visit the ECU catalog: https://catalog.ecu.edu

[4]Students must bundle EGR 150 and DFT 170 to receive credit for ENGR 1000 + 1012 + 1016.

[5]Students must bundle MAT 280 & MAT 285 to receive credit for MATH 3256 & MATH 4332 to apply as a substitution toward degree requirement of MATH 2154.

This plan reflects the degree program's requirements published in the 2018-2019 university catalog. All guides are meant as an example of how a degree can be completed. Course availability, prior credit, course prerequisites, major requirements, and student needs must be considered in developing an individual academic pathway.

Key:

UGETC - Universal General Education Transfer Component courses

CAA GEN ED - Additional General Education Hours (AA requires 13-14 hours; AS requires 11 hours)

Pre-Major/Elective - Courses classified as pre-major, electives, or general education courses within the CAA, of which ACA 122 is required