

BACCALAUREATE DEGREE PLAN

Associate in Science (AS) to Bachelor of Science (BS)-Engineering Technology-Mechanical Engineering Technology

North Carolina Community College Course	Course credit	Specific Course Required	Elizabeth City State University Course	Course credit	Comment
			A. GENERAL EDUCATION		
ENG 111 Writing and Inquiry	3 SHC		ENGL 102 Composition I	3 SHC	
ENG 112 Writing/Research in the Disciplines	3 SHC		ENGL 103 Composition II	3 SHC	
Communications/Humanities/Fine Arts (from min)	6 SHC		Humanities and Fine Arts A or B	2-3 SHC	
			ENGL 201/202 World Literature I/II	3 SHC	
Social Behavioral Sciences (must come from at least two areas)	6 SHC		Social and Behavioral Science A	3 SHC	
		ECO 251 Prin. of Macroeconomics	ECON 201 Principles of Economics I	3 SHC	
Mathematics	8 SHC	MAT 172 Pre-calculus Trigonometry	MATH 118 Pre-calculus	3 SHC	
		MAT 271 Calculus 1	MATH 165 Calculus of Single Variables I	4 SHC	
Natural Sciences	8 SHC	PHY 251 General Physics OR PHY 201	PHYS 181/L General Physics (and lab OR PHYS 191/L University Physics or CHEM 101/L General Chemistry I and Lab	4 SHC	
			Elective	4 SHC	
Additional General Education Hours	11 SHC	MAT 272 Calculus II	MATH 265 Calculus of a Single Variable II	4 SHC	
		COM 231 Public Speaking	SPCH 314 Public Speaking	3 SHC	
			Additional General Education Hours (includes additional credits from Humanities and Fine Arts B and mathematics, if applicable)	6 SHC	
Other Required Hours	14 SHC		Other required hours	1 SHC	1
		EGR 120 Eng. and Design Graphics	ENGT 105 CAD I	3 SHC	3
		EGR 150 Intr. To Engineering	ENGT 100 Intro. To Engineering Technology	3 SHC	3
		EGR 210 Intro. To electric/Com Eng. Lab	ENGT 100L Intr. To Engineering Technology Lab	1 SHC	1
		PED Physical Education Activity Course	Physical Education Requirement	1 SHC	1
		EGR 220 Engineering Statics	ENGT 311 Applied Mechanics	3 SHC	3
		HEA 110 Community Health	HLTH 185 Health Concepts	2 SHC	2
ACA 122 College Transfer Success	1 SHC		UNIV 110 Freshman Seminar I	1 SHC	1
TOTAL SEMESTER HOURS	60-61 SHC		TOTAL SEMESTER HOURS	60-61 SHC	15
If take this at an NC Community College, it would satisfy the requirement in column D			COURSES TO BE TAKEN AT ECSU (prerequisite)		
			ENGT 311L Applied Mechanics Lab	1 SHC	1
			ENGT 207 Circuit Analysis	3 SHC	3
			ENGT 207L Circuit Analysis Lab	1 SHC	1
			ENGT 210 Material and Processes	3 SHC	3
			ENGT 210L Material and Processes Lab	1 SHC	1
			ENGT 235 Analog and Digital I	3 SHC	3
			ENGT 235L Analog and Digital I Lab	1 SHC	1
			ENGT 220 Instrumentation & Measurement Syst.	3 SHC	3
			ENGT 245 Intro. To LAN & WAN Technology	3 SHC	3
			CSC 115 Prog. I or CSC 114 Introduction to Computer Science	3 SHC	3
			ENGT 455 Senior Project I	2 SHC	2
			ENGT 490 Project Management or MNGT 421 Operations Management	3 SHC	3
			ENGT 498 Senior Project II	2 SHC	2
			ENGT 361 Control Systems	3 SHC	3
			ENGT 360L Control Systems Lab	1 SHC	1
			ENGL 401 Technical Writing	3 SHC	3
			ENGT 320 Applied Fluid Mechanics	3 SHC	3
			ENGT 379 Comp. Aided Design & Manufacturing	3 SHC	3
			ENGT 386 Strength of Materials	3 SHC	3
			ENGT 415 Machine Design	3 SHC	3
			ENGT 420 Thermal Systems	3 SHC	3
			ENGT 425 Thermal Fluid Lab	1 SHC	1
			ENGT 460 Engineering Software Applications	3 SHC	3
			Elective	5 SHC	5
			TOTAL SEMESTER HOURS AT ECSU	60 SHC	60

			TOTAL Credits required for Degree	120 credits
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If you complete your AS at a North Carolina Community College, any General Education course that you have not taken that is required at Elizabeth City State University will be waived EXCEPT for those courses specified by the major program as required General Education courses.

Please note: The following ECSU General Education courses cannot be waived per the CAA: General education/cognate courses required for major, health, and physical education activity course. These courses are required for graduation from ECSU. Students may complete these courses as part of their AA or AS degree with a grade of C or higher and transfer credit to ESU to fulfill these course requirements.

Reviewed by: Akbar Eslami
Date of Review: 6/7/2021

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