

BACCALAUREATE DEGREE PLAN

Associate in Science (AS) to Bachelor of Science (BS)-Engineering Technology-Electrical and Computer Engineering Technology

North Carolina Community College Course	Course credit	Specific Course Required	Elizabeth City State University Course	Course credit
ENG 111 Writing and Inquiry	3 SHC		ENGL 102 Composition I	3 SHC
ENG 112 Writing/Resarch in the Disciplines	3 SHC		ENGL 103 Composition II	3 SHC
Communications/Humanities/Fine Arts (from m	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 disciplines)	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 SCH	PHY 251 General Physics OR PHY 151 College Physics I or CHM 151 General Chemistry I	PHYS 181/L General Physics I 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 SCH
Other Required Hours	14 SHC		Other required hours	1 SHC
		EGR 120 Eng. and Design Graphics	ENGT 105 CAD I	3 SHC
		EGR 150 Intr. To Engineering	ENGT 100 Intro. To Engineering Technology	3 SHC
		EGR 210 Intro. To electric/Com Eng. Lab	ENGT 100L Intr. To Engineering Technology Lab	1 SHC
		PED Physical Education Activity Course	Physical Education Requirement	1 SHC
		EGR 220 Engineering Statics	ENGT 311 Applied Mechanics	3 SHC
		HEA 110 Community Health	HLTH 185 Health Concepts	2 SHC
ACA 122 College Transfer Success	1 SHC		UNIV 110 Freshman Seminar I	1 SHC
TOTAL SEMESTER HOURS	60-61 SHC		TOTAL SEMESTER HOURS	60-61 SHC
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
			ENGT 207 Circuit Analysis	3 SHC
			ENGT 207L Circuit Analysis Lab	1 SHC
			ENGT 210 Material and Processes	3 SHC
			ENGT 210L Material and Processes Lab	1 SHC
			ENGT 235 Analog and Digital I	3 SHC
			ENGT 235L Analog and Digital I Lab	1 SHC
			ENGT 220 Instrumentation & Measurement Syst.	3 SHC
			ENGT 245 Intro. To LAN & WAN Technology	3 SHC
			CSC 115 Prog. I or CSC 114 Introduction to Computer Science	3 SHC
			ENGT 455 Senior Project I	2 SHC
			ENGT 490 Project Management or MNGT 421 Operations Management	3 SHC
			ENGT 498 Senior Project II	2 SHC
			ENGT 361 Control Systems	3 SHC
			ENGT 360L Control Systems Lab	1 SHC
			ENGL 401 Technical Writing	3 SHC

			ENGT 214 PC Hardware/Software & Open Systems	3 SHC
			ENGT 215L PC Hardware/Software & Open Systems Lab	1 SHC
			ENGT 335 Analog & Digital Circuits II	3 SHC
			ENGT 335L Analog and Digital Circuits II Lab	1 SHC
			ENGT 340 Analog and Digital Communication or CSC 410 Net-Centric Computing	3 SHC
			ENGT 365 Computer Design and implementation or CSC 314 Computer Architecture and organization	3 SHC
			ENGT 466 Microproc. & Microcontrollers	3 SHC
			ENGT 466L Microproc * Microcontrollers Lab	2 SHC
			Elective	5 SHC
			TOTAL SEMESTER HOURS AT ECSU	60 SHC
			TOTAL Credits required for Degree	120 credits

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