BACCALAUREATE DEGREE PLAN
Associate of Art/Associate in Science (AA/AS) to Bachelor of Science (BS)-Mathematics

North Carolina Community College Course	Course credit	Specific Course Required	Elizabeth City State University Course	Course credit
			A. GENERAL EDUCATION	*Course credit*
ENG 111 Writing and Inquiry	3 SHC		ENGL 102 Compostion I	3 SHC
ENG 112 Writing/Resarch in the Disciplines	3 SHC		ENGL 103 Composition II	3 SHC
Communications/Humanities/Fine Arts (from mi	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
			Social and Behavioral Science B	3 SHC
Mathematics	8 SHC		Natural Science and Mathematics A	3-4 SHC
	4 SHC	MAT 273 Calculus III	MATH 267 Calculus of Several Variables III	4 SHC
Natural Sciences	8 SHC		Natural Science and Mathematics B	4 SHC
			Elective or Focused Hours	4 SHC
Additional General Education Hours	11 SHC		Additional General Education Hours (includes additional hours from Mathematics and Humanities and Fine Arts B, if applicable)	5 SHC
		MATH 271 Calculus I	MATH 165 Calculus of a Single Variable I	4 SHC
		MATH 272 Calculus II	MATH 265 Calculus of a Single Variable II	4 SHC
Other Required Hours	14 SHC	MAT 280 Linear Algebra	MATH 351 Linear Algebra	3 SHC
		MAT 285 Differential Equations	MATH 358 Differential Equations	3 SHC
		HEA 110 Personal Health & Wellness	HLTH 185 Health Concepts	2 SHC
		MAT 152 Statistical Methods I	STAT 251 Basic Statistics	3 SHC
			Elective Hours (includes additional hours from MAT 280, MAT 285 and MAT 152)	3 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 (prerequiste)**	
			MATH 275 Foundations of Mathematics	3 SHC
			MATH 350 Number Theory	3 SHC
			MATH 354 Abstract Algebra I	3 SHC
			MATH 365 Exit Seminar for Juniors	2 SHC
			MATH 455 Elements of Real Analysis	3 SHC
			STAT 351 Probability and Statistics I	3 SHC
			MATH 466 Exit Seminar in Mathematics	2 SHC
			MATH 467 Senior Capstone	3 SHC
MAT 152	4 SHC	Statistical Methods I	STAT 251 Basic Statistics	3 SHC
			CSC 115 Programming I	3 SHC
			CSC 215 Programming II	3 SHC
			CSC 210 C++ Programming or CSC 230 Object Oriented Programming or CSC 414 Python Programming and Visualization	3 SHC
			OPEN ELECTIVES	10 SHC
CIS 110	3 SHC	Introduction to Computers	CSC 111 Introduction to Computer Applications	3 SHC
		PED Physical Education Activity Course	Physical Education Activity Requirement	1 SHC
			Core Electives-Select 4 courses from the list below	**12 SHC**
			MATH 352 College Geometry	3 SHC
			MATH 345 History of Mathematics	3 SHC
			MATH 360 Applied Cryptography	3 SHC
			MATH 366 Complex Variables	3 SHC
			MATH 410 Linear Optimization	3 SHC
			MATH 452 Internship	3 SHC
			MATH 454 Abstract Algebra II	3 SHC
			MATH 456 Contemporary Issues in Math Education	3 SHC
			MATH 459 Special Studies/Seminars in Math	3 SHC
			MATH 462 Math Modeling	3 SHC
			STAT 352 Probability and Statistics II	3 SHC
			CSC 451 Numerical Symbolic Computing	3 SHC
			CSC 305 Intro to Bioinformatics	3 SHC
			TOTAL	60 SHC

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 eduction/cognate courses required for major, health, and physial eduation activity course. These courses are required for graduation from ECSU. Students may complete these courses as part of their AA or AS degre with a grade of C or higher and transfer credit to ECSU to fulfill these course requriements.

Reviewed by: Julian A.D. Allagan
Date of Review: June 4, 2021