ECU's Math Requirement by Major (2017-2018)

Math 1050, 1065, 1066, or 2127	Math 1065*	Math 1066
African & Afr. American Studies	Applied Atmospheric Science	Accounting
Anthropology	Applied Geography BS	Finance
Applied Sociology (prefers 1065)	Athletic Training	Hospitality Management (will sub 1065)
Art	Biochemistry	Management
Art Education	Biology	Management Information Systems
Art Histories	Chemistry	Marketing
Asian Studies	Clinical Laboratory Science	Marketing & Supply Chain Mgmt.
Classical Studies	Computer Science	
Communication	Construction Management	
Criminal Justice	Design	**MATH 1065 or 1066 or 2127**
Dance	Economics	Birth-Kindergarten Teacher Education
Dance Education	Environmental Health	Elementary Education
English BA	Exercise Physiology	Family & Consumer Sciences Education
English Education	Fashion Merchandising	French Education
Ethnic Studies	Forensic Science	German Education
Family and Comm. Services	Geographic Info, Science & Tech.	Hispanic Studies Education
French BA	Geology	History Education
Geography BA	Health Fitness Specialist	Music Therapy (1065 or 2127)
German BA	Health Information Management	Recreational Therapy
Great Books	Health Services Management	Special Education (2127 preferred)
Hispanic Studies BA	Industrial Distribution & Logistics	Theatre Arts Education
History BA	Industrial Engineering Technology	
International Studies	Industrial Technology	
Music Education	Information & Computer Technology	
Music Performance	Interior Design	
Music Theory/Composition	Middle Grades Education	**MATH 1083***
Philosophy BA (rec. PHIL 1500)	Nursing	Mathematics
Psychology	Nutrition Science	Mathematics Education
Political Science BA	Physical Education	Neuroscience
Recreation & Park Management	Physics	
Religious Studies	Public Health (All Concentrations)	
Russian Studies	Rehabilitation Services	**Other**
Security Studies	Science Education	Engineering MATH 2171
Sociology BA (prefers 1065)	Social Work	
Theatre Arts	Speech and Hearing Sciences	
University Studies	Sports Studies	
	Urban/Regional Plan (or PHIL 1500 or Math 1050)	

*May accept, substitute, or prefer another math course. Please check with your academic advisor.

ECU Math Courses, Descriptions, and Community College Equivalencies:

ECU	Math Description	NC-CC
1050	**Exploration in Mathematics.** No Prerequisite. For students whose major does not require a specific MATH course. Selected topics include at least four of the following: Algebraic concepts, geometry, set theory and logic, number theory, discrete mathematics, statistics, consumer mathematics/finance, and history of mathematics	143
2228 or 2283	**Elementary Statistical Methods or Statistics for Business** Prerequisite: MATH 1050 or 1065 or 1066. MATH 2228 topics include collection, systematic organization, analysis of interpretation of numerical data. MATH 2283 topics includes sampling and probability distributions, measures of central tendency and dispersion, hypothesis testing, Chi-square, and regression.	152
1065	**College Algebra.** Prerequisite: 70+ on placement score, 540+ math SAT, 20+ on math ACT or C- or above in MATH 0001 or MATH 0045. Topics include linear equations, quadratic equations, systems of linear equations, inequalities, circles, variation, functions, graphs, exponential and logarithmic functions, and applications.	171
1066	**Applied Mathematics for Decision Making.** Prerequisite: 70+ on placement score, 540+ math SAT, 20+ on math ACT or C- or above in MATH 0001 or MATH 0045. Skills in formulating models for and interpreting solutions to business word problems. Topics include linear and nonlinear equations, systems of linear equations, applications of matrix algebra, and applied basic differential calculus. No proofs included.	263
1083	**Introduction to Functions.** Prerequisite: MATH 1065 with a minimum grade of C- (1.7). Accelerated introduction to language of functions. Emphasis on trigonometry as a preparation for calculus sequence MATH 2171 -MATH 2173 .	172
2127	**Basic Concepts of Mathematics.** Prerequisite: 70+ on placement score, 540+ math SAT, 20+ on math ACT or C- or above in MATH 0001 or MATH 0045. System of real numbers and subsystems and their properties from an algebraic viewpoint. Statistics and number theory. May not count toward MATH or CSCI major or minor.	N/A

This handout is for informational purposes only—student should always consult undergraduate catalog.