

Associate in Science Degree: Mathematics

Degree Student Learning Outcome:

Students will be able to:

-Prepare for the mathematical reasoning required in upper division work in their major, including the ability to generalize concepts and comprehend increasing levels of abstraction.

-Demonstrate mathematical literacy, problem solving ability, and modeling ability.

Program Requirements:

Units required: 18 - 21

	Units:
MATH-211 Calculus I	5.0
OR	
MATH-211X Calculus I with Support	6.0
MATH-212 Calculus II	5.0
MATH-213 Calculus III	5.0

Plus three - five units from the following:

STAT-C1000 Introduction to Statistics	4.0
STAT-C1000E Introduction to Statistics	5.0
STAT-C1000H Introduction to Statistics - Honors	4.0
MATH-214 Linear Algebra	4.0
MATH-215 Differential Equations	4.0
CMPSCI-111 Introduction to Algorithms and Programming/Java	3.0
PHYSIC-220 Physics for Scientists and Engineers: Mechanics of Solids and Fluids	4.0