

## **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 - 19

MATH-211	Calculus I	Units:
MATH-212	Calculus II	5.0
MATH-213	Calculus III	5.0

Plus three - four units from the following:

MATH-140	Introductory Statistics	4.0
OR		
MATH-140H	Introductory 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