The Mathematics program provides curriculum from basic arithmetic to algebra, statistics, linear algebra, calculus, and differential equations. These courses fulfill breadth requirements, associate degree requirements and transfer major requirements for degrees in mathematics, physics, chemistry and engineering. Many B.A./B.S. level careers require extensive background in mathematics. Virtually all two-year career programs in the business or technology fields require a solid foundation in mathematics. Examples of these career options include computer programmer, financial analyst, statistician, systems analyst, urban planner, and teacher.

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

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

Plus three units from the following:

MATH-140	Introductory Statistics	4.0
OR		
MATH-140H	Introductory Statistics - Honors	4.0
MATH-214	Linear Algebra	3.0
MATH-215	Differential Equations	3.0
CMPSCI-111	Introduction to Algorithms and Programming/Java	3.0
PHYSIC-220	Physics for Scientists and Engineers: Mechanics of Solids and Fluids	4.0