

Mathematics with Physics Emphasis

Award Type: Associate in Arts

The associate in arts degree in math is offered for those students desiring a major in mathematics and recognition of their general education accomplishments.

The graduate of the Associate in Arts in Mathematics with Physics Emphasis will:

- Interpret and draw inferences from mathematical models such as formulas, graphs, and tables;
- Represent mathematical information symbolically, graphically, numerically, and in writing;
- Utilize a variety of problem-solving techniques and strategies to identify, analyze and solve problems;
- Check mathematical results for reasonableness;
- Create and analyze mathematical models of real world and/or theoretical situations, including the implications and limitations of those models;
- Use appropriate technologies to analyze and solve mathematical problems.

Program Requirements

A major of 25 units is required for the associate in arts degree. Required core courses (21 units):

Course Number	Course Title	Units
MATH 181	Calculus 1	4.0
MATH 182	Calculus 2	4.0
MATH 183	Multivariable Calculus	4.0
MATH 184	Linear Algebra/Differential Equations	5.0
PHYS 161	Engineering Physics 1	4.0

Plus 4 units selected from the following:

Course Number	Course Title	Units
PHYS 162	Engineering Physics 2	4.0
PHYS 163	Engineering Physics 3	4.0