



Division of Science, Technology, Engineering and Mathematics

Associate in Arts in Mathematics

This program prepares students to transfer to a four-year institution. Completing the program provides students with skills to think critically and quantitatively, solve mathematical problems through calculus, and it allows them the flexibility to explore applications of mathematics in other fields of study. Students graduating from the Associate in Arts in Mathematics program will achieve proficiency in the college-wide learning outcomes.

Successful graduates of the program will be able to:

1. Demonstrate competency in oral and written communication within the discipline of mathematics by being able to effectively communicate and document the process of problem solving;
2. Demonstrate quantitative competency by using a variety of strategies to solve problems and analyze options and results;
3. Apply a variety of technological tools to enhance their understanding of mathematics and support solutions;
4. Develop basic manipulative and problem-solving skills in geometry, algebra, trigonometry and basic calculus;
5. Develop the ability to read and learn mathematics on their own;
6. Apply the basic concepts, content, and methodology of science to strengthen their knowledge of the physical and natural world;
7. Apply knowledge about world regions and their histories, philosophical traditions, religions, artistic and cultural legacies and economic and political forces within the realm of civic literacy and global and ethnic understanding;
8. Use critical and creative thinking in problem solving, and adapt problem-solving strategies to solve similar problems, consider multiple strategies and evaluate potential solutions.