MATHEMATICS, ASSOCIATE

Program Description

The associate in Mathematics equips students with a solid foundation in mathematical principles, critical thinking, and problem-solving skills. This program is designed to prepare graduates for seamless transfer to a bachelor's degree program in mathematics or related fields, while also providing the skills needed to pursue entry-level careers in industries that value quantitative expertise.

With a strong emphasis on calculus, mathematical reasoning, and logic, the program ensures students are well-prepared to advance their studies in mathematics, engineering, computer science, or other STEM disciplines. Whether continuing education or entering the workforce, graduates will be ready to excel in roles that require analytical and mathematical proficiency.

Program Learning Outcomes

- Demonstrate the ability to articulate mathematical ideas clearly in both written and oral formats, tailoring communication to academic, professional or practical context.
- Employ symbolic, analytical, and quantitative methods to evaluate problems, propose solutions, and construct clear, logical arguments, including introductory proofs where appropriate.
- Use computational tools, analyze data, identify patterns, and develop models to address real-world and theoretical problems in mathematics and related fields.

Degree Requirements

Code	Title	Hours
MATH 151	Calculus I	4
MATH 152	Calculus II	4
MATH 215	Fund Concepts of Mathematics	4
MATH 251	Calculus III	4
2 Additional MATH courses [1]		6-8
Support Courses		
CSCI 103	Survey of Computer Science	3
Total Hours		**25-27**

[1] Course numbered above MATH 215 Fund Concepts of Mathematics

General Education: All LSSU Associate's degree candidates must complete the LSSU General Education Requirements.

A minimum of 62 credits (at the 100 level or higher) must be earned for graduation with a cumulative gpa of 2.00 or higher. A gpa of 2.00 or higher is required in your Major, and a gpa of 2.00 or higher is required in your General Education Requirements.