

Northwest Arkansas Community College
(Science and Mathematics Division)

Discipline Code

MATH

Course Number

1001

Course Title

Special Topics for Survey of Technical Math

Catalog Description

Allows students who have completed MTCM 1003, Communication and Math for the Workforce, to complete their remaining AAS degree specific modules from MATH 1003 that were not covered in MTCM 1003. MATH 1003 Survey of Technical Math contains modularized mathematics curriculum. Upon entry, students who have completed MTCM 1003 will have already completed some of these modules. Completion of both MTCM 1003 and MATH 1001 will result in substitute equivalency credit for MATH 1003. Students can only apply MTCM 1003 and MATH 1001 or MATH 1003, but not both, toward AAS degrees.

Prerequisites

MTCM 1003 with a grade of C or better OR instructor consent.

Credit Hours

1 credit hours

Contact hours

15 lecture contact hours

Load hours

1 load hours

Semesters Offered

Fall, Spring, Summer

ACTS Equivalent

There is no ACTS equivalent

Grade Mode

A-F

Learning Outcomes

This course is customized to a student's individual academic pursuit. As such, students will be required to demonstrate mastery of a subset of the following learning outcomes identified as necessary to the curriculum of their academic program.

Students who are successful in Special Topics for Math for AAS will demonstrate mastery of a subset of the following learning outcomes:

1. Use statistics to analyze information
2. Recognize and apply various geometric ideas and formulas
3. Apply basic math skills to financial situations
4. Investigate the link between mathematics and the arts
5. Explore growth and decay described by linear, exponential, and logistic models
6. Compute dosage calculations

General Education Outcomes Supported

- Students can achieve mathematical literacy

Standard Practices

Topics list

- Analysis of data
- Standard Normal Curves
- Geometry
- Financial Mathematics
- Math and the Arts
- Exponential Growth and Decay
- Unit conversions for the health professions
- Calculate dosages

Assessments

- Each student learning outcome will be assessed by a proctored module test.
- The questions on each module test will be in direct support of the Learning Outcomes.
- The results of these questions and overall student performance will be reported when final grades are submitted.

Grading guidelines

- At least 70% of the student's final course grade should come from proctored work.