

NorthWest Arkansas Community College  
Division of Science and Mathematics

### Course Number and Title

MATH 1001, Special Topics for Math for AAS

### Catalog Description

Allows students who have completed MTCM 1004, Communication and Math for the Workforce, to complete their remaining AAS degree specific modules from MATH 1003 that were not covered in MTCM 1004. MATH 1003 Survey of Technical Math contains modularized mathematics curriculum. Upon entry, students who have completed MTCM 1004 will have already completed some of these modules. Completion of both MTCM 1004 and MATH 1001 will result in substitute equivalency credit from MATH 1003. Students can only apply MTCM 1004 and MATH 1001 or MATH 1003, but not both, toward AAS degrees. Prerequisite: MTCM 1004. MATH 1003 Survey of Technical Math (F, S)

### Prerequisites

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

### Credit hours/Contact hours/Load hours

1 credit hour/ 1 contact hour/ 1 load hour

### Target Audience/Transferability

This is a non-transfer course designed to give students who have successfully completed MTCM 1003 the opportunity to complete the degree specific modules of Math for AAS without having to enroll in a second 3 credit hour course.

### Student 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

### Rev Summer 2019

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## Topics

- 1) Analysis of data
- 2) Estimation
- 3) Standard Normal Curves
- 4) Geometry
- 5) Financial Mathematics
- 6) Math and the Arts
- 7) Exponential Growth and Decay
- 8) Unit conversions for the health professions
- 9) Calculate dosages

## Forms of Assessment

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

**Rev Summer 2019**

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