**MATHEMATICS - MINOR**

*College of Arts and Sciences*
Department of Mathematical Sciences
233 Mathematics and Computer Science Building
Kent Campus
330-672-2430
math@math.kent.edu
www.kent.edu/math

**Description**
The Mathematics minor offers study in several areas of pure mathematics and can be combined with several majors, including those in the sciences and education.

**FULLY OFFERED AT:**
- Kent Campus
- Stark Campus

**Program Requirements**

**Minor Requirements**

[MATH]

**Prerequisite Requirements**

- MATH 10774 ALGEBRA FOR CALCULUS STRETCH II (KMCR)
- or MATH 10775 ALGEBRA FOR CALCULUS PLUS (KMCR)
- or MATH 11010 ALGEBRA FOR CALCULUS (KMCR)

- MATH 11022 TRIGONOMETRY (KMCR)

Computer Programming Elective, choose from the following:

- CS 10051 INTRODUCTION TO COMPUTER SCIENCE (KMCR)
- CS 10061 INTRODUCTION TO COMPUTER PROGRAMMING
- CS 13001 COMPUTER SCIENCE I: PROGRAMMING AND PROBLEM SOLVING
- CS 13011 & CS 13012 COMPUTER SCIENCE IA: PROCEDURAL PROGRAMMING and COMPUTER SCIENCE IB: OBJECT ORIENTED PROGRAMMING (min C grade in both courses)
- DSCI 15310 COMPUTATIONAL THINKING AND PROGRAMMING

**Minor Requirements**

- MATH 12002 ANALYTIC GEOMETRY AND CALCULUS I (KMCR) 5
- MATH 12003 ANALYTIC GEOMETRY AND CALCULUS II 5
- MATH 21001 LINEAR ALGEBRA WITH APPLICATIONS 3
- MATH 22005 ANALYTIC GEOMETRY AND CALCULUS III 4
- MATH 31011 DISCRETE MATHEMATICS 3
- or MATH 32044 INTRODUCTION TO ORDINARY DIFFERENTIAL EQUATIONS
- or Mathematics Upper-Division Course (MATH 40000 level)

Mathematics Electives, choose from the following: 6

**Algebra**

- MATH 41001 INTRODUCTION TO MODERN ALGEBRA I (ELR) (WIC)
- MATH 41002 INTRODUCTION TO MODERN ALGEBRA II (ELR) (WIC)

Minimum Total Credit Hours: 26

**Graduation Requirements**

**Minimum Minor GPA**

2.000

- Students must complete at least two upper-division courses in the minor at Kent State on a graded basis (A-F).