## MATHEMATICS - MINOR

College of Arts and Sciences
Department of Mathematical Sciences
www.kent.edu/math

## About This Program

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.

## Contact Information

- Program Coordinator: Xiaoyu Zheng | xzheng3@kent.edu | 330-672-9089
- Speak with an Advisor
- Kent Campus
- Stark Campus


## Program Delivery

- Delivery:
- In person
- Location:
- Kent Campus
- Stark Campus


## Admission Requirements

Admission to a minor is open to students declared in a bachelor's degree, the A.A.B. or A.A.S. degree or the A.T.S. degree (not Individualized Program major). Students declared only in the A.A. or A.S. degree or the A.T.S. degree in Individualized Program may not declare a minor. Students may not pursue a minor and a major in the same discipline.

## Program Requirements

## Minor Requirements

| Code | Title | Credit |
| :---: | :---: | :---: |
| Prerequisite Requirements |  |  |
| CS 10051 | COMPUTER SCIENCE PRINCIPLES (KMCR) |  |
| CS 10062 | PROGRAMMING FOR PROBLEM SOLVING IN SCIENCES |  |
| CS 13001 | COMPUTER SCIENCE I: PROGRAMMING AND PROBLEM SOLVING |  |
| $\begin{aligned} & \text { CS } 13011 \\ & \& \text { CS } 13012 \end{aligned}$ | COMPUTER SCIENCE IA: PROCEDURAL PROGRAMMING and COMPUTER SCIENCE IB: OBJECT ORIENTED PROGRAMMING (min C grade in both courses) |  |
| EMAT 25310 | CREATIVE CODING |  |
| Minor Requirements |  |  |
| MATH 12002 | ANALYTIC GEOMETRY AND CALCULUS I (KMCR) (min C grade) | 5 |
| MATH 12003 | ANALYTIC GEOMETRY AND CALCULUS II (min C grade) | 3-5 |
| or MATH 12013 | BRIEF CALCULUS II |  |
| MATH 20011 | DECISION-MAKING UNDER UNCERTAINTY | 3-4 |
| or MATH 22005 | ANALYTIC GEOMETRY AND CALCULUS III |  |



Minimum Total Credit Hours:
${ }^{1}$ Students should select electives in consultation with the student's minor advisor.

## Graduation Requirements

Minimum Minor GPA Minimum Overall GPA
2.000

- Minimum 6 credit hours in the minor must be upper-division
coursework ( 30000 and 40000 level).
- Minimum 6 credit hours in the minor must be outside of the course
requirements for any major or other minor the student is pursuing.
- Minimum 50 percent of the total credit hours for the minor must be
taken at Kent State (in residence).
PrOgram Learning Outcomes
Graduates of this program will be able to:

1. Formulate, analyze and solve problems, logically and critically, in
proper math settings.
