MATHEMATICS FOR SECONDARY SCHOOL TEACHERS - M.A.

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

About This Program
The Master of Arts degree in Mathematics for Secondary School Teachers is a three-year program offered in the evenings and summer. Designed collaboratively by faculty in mathematical sciences and teacher education, the program is for in-service teachers and features both mathematics and education classes. The program does not lead to Ohio teacher licensure.

Contact Information
• Program Coordinator: Evgenia (Jenya) Soprunova | esopruno@kent.edu | 330-672-9086
• Connect with an Admissions Counselor: U.S. Student | International Student

Program Delivery
• Delivery: Mostly online
• Location: Kent Campus

Examples of Possible Careers and Salaries*
Mathematical science teachers, postsecondary
• 1.3% slower than the average
• 60,100 number of jobs
• $73,650 potential earnings

Career/technical education teachers, postsecondary
• 1.1% slower than the average
• 124,100 number of jobs
• $55,620 potential earnings

Middle school teachers, except special and career/technical education
• 3.6% about as fast as the average
• 627,100 number of jobs
• $60,810 potential earnings

Secondary school teachers, except special and career/technical education
• 3.8% about as fast as the average
• 1,050,800 number of jobs
• $62,870 potential earnings

Admission Requirements
• Bachelor’s degree in mathematics or mathematics education (or in another discipline plus mathematics coursework equivalent to an undergraduate program in mathematics education) from an accredited college or university
• Minimum 2.750 undergraduate GPA on a 4.000 point scale
• Official transcript(s)
• Goal statement
• Résumé or curriculum vitae
• Three letters of recommendation
• English language proficiency - all international students must provide proof of English language proficiency (unless they meet specific exceptions) by earning one of the following:
  • Minimum 525 TOEFL PBT score (paper-based version)
  • Minimum 71 TOEFL IBT score (Internet-based version)
  • Minimum 74 MELAB score
  • Minimum 6.0 IELTS score
  • Minimum 50 PTE score
  • Minimum 100 Duolingo English test score

Application Deadlines
• Fall Semester
  • Rolling admissions
• Spring Semester
  • Rolling admissions
• Summer Term
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Program Requirements
Major Requirements

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Mathematics Electives, choose from the following: 15

- MATH 51021 THEORY OF MATRICES
- MATH 52001 ANALYSIS I
- MATH 52201 GRAPH THEORY AND COMBINATORICS

For more information about graduate admissions, visit the graduate admission website. For more information on international admission, visit the international admission website.

* Source of occupation titles and labor data comes from the U.S. Bureau of Labor Statistics’ Occupational Outlook Handbook. Data comprises projected percent change in employment over the next 10 years; nation-wide employment numbers; and the yearly median wage at which half of the workers in the occupation earned more than that amount and half earned less.

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MATH 52041  ADVANCED CALCULUS
MATH 52201  NUMERICAL COMPUTING I
MATH 55021  EUCLIDEAN GEOMETRY
MATH 55022  LINEAR GEOMETRY
MATH 57011  THEORY OF NUMBERS
MATH 57057  ADVANCED CONCEPTS OF GEOMETRY
MATH 57067  ADVANCED CONCEPTS OF PROBABILITY AND STATISTICS
MATH 57077  ADVANCED CONCEPTS OF ALGEBRA

Culminating Requirement
MATH 69099  CAPSTONE PROJECT  2

Minimum Total Credit Hours: 32

Graduation Requirements
- Minimum 32 credit hours of graduate credit with minimum 16 credit hours at the 60000 level and 22 credit hours in mathematics
- Final presentation and report of the capstone project

Program Learning Outcomes
Graduates of this program will be able to:

1. Reason in mathematical arguments, including using precise definitions, articulating assumptions and reasoning logically to conclusions.
2. Engage effectively in problem solving, including exploring examples, devising and testing conjectures and assessing the correctness of solutions.
3. Approach mathematical problems creatively, including trying multiple approaches and modifying problems when necessary to make them more tractable.
4. Communicate mathematics clearly both orally and in writing.
5. Teach high school-level mathematics.
6. Understand and appreciate connections among different subdisciplines of mathematics.
7. Be aware of and understand a broad range of mathematical subdisciplines.
8. Obtain a broader and deeper understanding of algebra, geometry and analysis and their interpretation in the K-12 curriculum.