

Graduate Catalog 2018-2019

Master of Arts in Mathematics

The Master of Arts in Mathematics is a thirty-six hour, non-thesis program designed for current high school mathematics teachers who desire to become curriculum specialists or who want to teach dual-credit mathematics classes. Recipients of the M.A. degree are also prepared for admission to a doctoral program in mathematics education. Students who wish to work in industry, teach at the post-secondary level, or pursue doctoral studies in mathematics are encouraged to pursue the M.S. in Mathematics. Beginning in Fall 2018, the M.A. will be an online program.

Applicants seeking admission to the graduate program in Mathematics must submit the following directly to the Office of Graduate Admissions:

- [Graduate Application](#)
- [Application fee](#)
- Official transcript(s) of all previous college work
- Official GRE scores
- Two letters of recommendation

An overall undergraduate GPA of 3.0 or higher is preferred for admission into the Mathematics program. However, GPA and GRE scores are not sole criteria for admission. Based on a review of an applicant's undergraduate transcript, the Department of Mathematics and Statistics may require completion of undergraduate stem courses as a condition for admission.

The degree requires a minimum of thirty-six hours of graduate credit. An oral comprehensive examination covering the four core M.A. courses is administered by the advisory committee for each degree candidate. The oral examination must be scheduled with the Graduate Advisor at least three weeks in advance. Students must be enrolled in the MA program during the semester in which they take the comprehensive examination. Requirements specified in the degree plan are subject to minor modification by the department. Also, to ensure a balanced program, all electives must be approved by the department chair or an authorized representative of the graduate Mathematics faculty.

Master of Arts in Mathematics		
Courses		
MATH 5380	Research Project In Math Edu	3
MATH 5386	Smnr In Algebra For Teachers	3
MATH 5387	Smnr In Geometry For Teachers	3
MATH 5388	Smnr In Analysis For Teachers	3
MATH 5389	Smnr Prob & Stat For Tchrs	3
Electives		
Select three graduate courses in MATH		9
Additional Coursework		
Select 12 hours of the following:		12
Graduate courses in a second teaching field ¹		
Graduate MATH courses		
Graduate STAT courses		
Combination of graduate credit in the following areas: Computer Science, Mathematics, Statistics, Secondary Education		
Total Hours		36

¹ Selections must be made in consultation with the Graduate Advisor.

Courses

Senior Courses Open to Graduate Students

With departmental approval, a maximum of six hours of the following senior (4000-level) courses may be taken for graduate credit toward the MA in Mathematics Education.

Courses		
MATH 4361	Introductory Analysis	3
MATH 4366	Elementary Analysis	3
MATH 4367	The Evolution Of Mathematics	3
MATH 4377	Algebraic Structures	3