MASTER OF SCIENCE DEGREE IN MATHEMATICS

Master of Science (M.S.) Degree in Mathematics. This program is designed to meet the educational needs of persons aspiring to professional advancement in the teaching of Mathematics or in other professions requiring advanced degrees in the discipline, as well as those students preparing for advanced study at the Ph.D. level. The program also allows the option for interdisciplinary concentrations.

Admission
In addition to the general requirements for admission to graduate studies (See General Regulations and Procedures), admission to the Master of Science degree program in Mathematics also requires:

Unconditional Admission
1. Preparation: Applicants must hold a bachelor’s degree from an accredited institution and have at least 24 semester hours in Mathematics above the 200 level. A Graduate Admissions Committee will review each application; consequently, all applications and supporting documents must be submitted to the Office of Graduate Admissions and Services of the University in accordance with submission deadlines established by that office.
2. Scholastic Achievement: A minimum of 2.75 GPA on a 4.0 scale in all previous undergraduate and graduate coursework.
3. Test Scores: Submission of satisfactory scores on the GRADUATE RECORD EXAM (General Test).
4. Three letters of recommendation to be sent to the Graduate Coordinator in Mathematics, Department of Mathematics, University of North Alabama.

Conditional Admission
Applicants who satisfy all requirements for unconditional admission except for the minimum scholastic (grade) requirement but who have an overall grade point average of 2.0 or better (4.0 scale) may be admitted on conditional status subject to attainment of grades which include no more than three semester hours of C and no grades lower than C on the first three graduate courses (nine semester hours) for which enrolled.

TRANSFER ADMISSION
In addition to the general requirements for Transfer Admission to Graduate Studies (See General Regulations and Procedures), up to 12 semester hours of 48 graduate credit by transfer will be accepted with the approval of the Graduate Coordinator and Department Chair of Mathematics. Exceptions must be approved by the Graduate Coordinator, Department Chair of Mathematics, and college dean.

Advisement
Prior to the completion of 12 semester hours of credit in the program, students shall be assigned a graduate advisor by the Graduate Coordinator.

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<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>MA 630</td>
<td>Topics in Advanced Mathematics</td>
<td>15</td>
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<tr>
<td>MA 637</td>
<td>Rings and Fields</td>
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<tr>
<td>MA 638</td>
<td>Rings and Fields</td>
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<td>MA 651</td>
<td>Advanced Calculus</td>
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<tbody>
<tr>
<td>MA 652</td>
<td>Advanced Calculus II</td>
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Mathematics Course Requirement
Student must take a minimum of 6 semester hours of 600 level mathematics courses above 630, not including the core classes

Concentration Requirement
12
Students pursuing the Master of Science in Mathematics are required to designate an area of emphasis or concentration. This area of emphasis is comprised of 12 hours of coursework from Mathematics or a designated area offering elective graduate courses and approved by the student’s graduate advisor, Graduate Coordinator, and the department chairs of Mathematics and area of concentration.

Areas of emphasis include Physics, Computer Science and Computer Information Systems, Chemistry, Mathematics, or Mathematics Teaching.

At least 50 percent of the coursework required to complete the Master of Science Degree in Mathematics must be earned at the 600 level.

Comprehensive Examination:
Students are required to pass two preliminary, written qualifying examinations, one in algebra (which covers from MA 637 and MA 638) and one in analysis (which covers content from MA 651 and MA 652).

Total Hours 33