

Mathematics

College of Science, Engineering and Mathematics
Department of Mathematical Sciences
(907) 474-7332
www.cs.uaf.edu



M.A.T., M.S., Ph.D. Degrees

Minimum Requirements for Degrees: M.A.T.: 36 credits;
M.S.: 30-35 credits; Ph.D.: 18 thesis credits

The number of new fields in which professional mathematicians find employment grows continually. This department prepares students for careers in industry, government and education.

The M.S. in mathematics prepares students for Ph.D. work, in addition to providing a terminal degree for those planning to enter industry or education. The M.A.T. degree prepares graduates to teach secondary school mathematics. The aim of the Ph.D. program is to provide the student with the expertise to accomplish significant research in applied or pure mathematics, as well as to provide a broad and deep professional education.

In addition to the major programs, the department provides a number of service courses in support of other programs within the university. Current and detailed information on mathematics degrees and course offerings is available from the department.

The department maintains a math lab for all students studying mathematics at the baccalaureate level.

The Department of Mathematical Sciences also offers programs in computer science and statistics (see separate listings).

Graduate Program—M.A.T. Degree

1. Complete the following admission requirements:
 - a. The department does not require any GRE, but recommends applicants provide GRE general scores.
 - b. Complete and submit a TOEFL score of at least 600 (this requirement is only for foreign applicants who seek a teaching assistantship).
 - c. The department gives preference to foreign applicants who also submit results of the Test of Spoken English (TSE).
2. Complete the general university requirements (page 166).
3. Complete the M.A.T. degree requirements (page 171).
4. Complete the following:

| | |
|---------------|----|
| MATH courses* | 18 |
|---------------|----|

Research

5. Minimum credits required36

* At least 12 credits must be at the 600-level.

Graduate Program—M.S. Degree

1. Complete the following admission requirements:
 - a. The department does not require any GRE, but recommends applicants provide GRE general scores.
 - b. Complete and submit a TOEFL score of at least 600 (this requirement is only for foreign applicants who seek a teaching assistantship).
 - c. The department gives preference to foreign applicants who also submit results of the Test of Spoken English (TSE).
2. Complete the general university requirements (page 166).
3. Complete the master's degree requirements (page 170).
4. Complete mathematics courses and electives.
5. Complete a project or thesis.
6. Minimum credits required 30-35

Graduate Program—Ph.D. Degree

1. Complete the following admission requirements:
 - a. The department does not require any GRE, but recommends applicants provide GRE general scores.
 - b. Complete and submit a TOEFL. (For teaching assistantship consideration, foreign applicants whose native language is not English. Score of at least 600.)
 - c. The department gives preference to applicants who also submit results of the Test of Spoken English (TSE).
2. Complete the general university requirements (page 166).
3. Complete the Ph.D. degree requirements (page 169).
4. Minimum credits required 18

Note: Page numbers refer to the UAF 2004-2005 academic catalog, which can be viewed online at www.uaf.edu/catalog/.

