Mathematics
College of Natural Science and Mathematics
Department of Mathematics and Statistics
(907) 474-7332
www.dms.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 Mathematics and Statistics also offers programs
in 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 176).
3. Complete the M.A.T. degree requirements (page 181).
4. Complete the following:
   MATH courses* .......................................................... 18
5. Minimum credits required ................................................ 36
   * 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 176).
3. Complete the master's degree requirements (page 180).
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 176).
3. Complete the Ph.D. degree requirements (page 180).
4. Minimum credits required ................................................ 18

Note: Page numbers refer to the UAF 2006-2007 academic catalog, which can be
viewed online at www.uaf.edu/catalog/.