

MATHEMATICS

Graduate Certificate, M.S., Ph.D. Degrees M.S., PH.D. DEGREES

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 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 of Mathematics and Statistics also offers programs in statistics (<http://catalog.uaf.edu/graduate/graduate-degree-programs/statistics/>) (see separate listings).

GRADUATE CERTIFICATE

The graduate certificate in applied and computational mathematics is equivalent to most of a year of coursework done by graduate students in this area. The certificate encourages a more in-depth study into mathematics beyond the undergraduate level. The focus is on mathematics that is useful in the sciences and engineering, especially on techniques that can be applied in computer programs. Furthermore, it provides students a credential recognizing their additional mathematical expertise.

The certificate is ideal for current graduate students in disciplines other than mathematics who seek greater exposure to mathematical ideas and techniques. It is most suitable for students in the sciences and engineering. It is not suitable for students already enrolled in the M.S. in mathematics or Ph.D. in mathematics programs.

Minimum Requirements for Mathematics Degrees: M.S.: 30-35 credits; Ph.D.: 18 thesis credits; Graduate Certificate: 12 credits

College of Natural Science and Mathematics
Department of Mathematics and Statistics (<https://www.uaf.edu/dms/>)
907-474-7332

Programs Degrees

- M.S., Mathematics (<http://catalog.uaf.edu/graduate/graduate-degree-programs/mathematics/ms/>)
- Ph.D., Mathematics (<http://catalog.uaf.edu/graduate/graduate-degree-programs/mathematics/phd/>)
- Accelerated B.S./M.S., Mathematics (<http://catalog.uaf.edu/accelerated-programs/accelerated-programs-list/mathematics-bs-ms/>)

Graduate Certificate

- Graduate Certificate, (<http://catalog.uaf.edu/graduate/graduate-degree-programs/mathematics/graduate-certificate/>) Applied and Computational Mathematics