

Computer Science

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

M.S. Degree

Minimum Requirements for Degree: 30 credits

Computer science is the study of information handling and its application to the problems of the world. Computing is widely used in support of activities in science, engineering, business, law, medicine, education and the social sciences.

The potential for employment is one of the highest in the entire range of subjects spanned by the College of Natural Science and Mathematics.

The M.S. degree follows the recommendations of the Association for Computing Machinery (ACM) and the Institute for Electrical and Electronic Engineers (IEEE).

The computer science graduate program follows the recommendations of the ACM and IEEE. This program provides breadth and depth in course work and culminates with a major unifying project. This program is available to students who have completed a B.S. degree in computer science at most institutions. Students from other universities who have completed a substantial portion of a bachelor's level computer science program may be admitted to the M.S. program. In such cases, undergraduate courses may be required to remedy deficiencies.

For admission to the M.S. computer science program, the GRE general and computer science subject exam is required. For teaching assistantship consideration, foreign applicants whose native language is not English must submit a TOEFL score of at least 600. The department gives preference to applicants who also submit results of the Test of Spoken English (TSE).

Graduate Program—M.S. Degree

1. Complete the UAF admission process including the following:
 - a. Submit GRE general and computer science subject exam scores.
 - b. For teaching assistantship consideration, foreign applicants whose native language is not English must submit a TOEFL 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 168).
3. Complete the master's degree requirements (page 172).
4. Complete the following:

CS 611—Complexity of Algorithms	3
CS 631—Programming Language Implementation	3
CS 641—Advanced Systems Architecture	3
CS 671—Advanced Software Engineering	3
CS 690—Graduate Seminar and Project	3
CS 691—Graduate Seminar and Project	3
Approved electives	12
5. Minimum credits required.....30

Note: Page numbers refer to the UAF 2005-2006 academic catalog, which can be viewed online at www.uaf.edu/catalog/.