

2005-06 CATALOG
COMPUTER SCIENCE

B.S./M.S. Degree Requirements
 141 Credits

Please contact the Mathematical Sciences dept. if you wish to pursue this degree.

GENERAL REQUIREMENTS

COMMUNICATIONS:- (9)

- Engl 111X (3)_____
- Engl 211X or 213X (3)_____
- Comm 131X or 141X (3)_____

PERSPECTIVES ON THE HUMAN CONDITION:- (18)

- A. Complete any Core approved ethics course:
 _____(3)_____
- B. Complete the 5 courses listed **OR** 3 of those listed plus 2 semester length courses in a single AK Native or other non-English language or 3 semester length courses (9 credits) in American Sign Language.
- Anth 100X/Soc 100X (3)_____
 - Econ/PS 100X (3)_____
 - Hist 100X (3)_____
 - Engl/FL 200X (3)_____
 - Art/Mus/Thr 200X or Hum 201X
 - ANS 202X (3)_____
- Language option as listed above:
 _____() _____() _____()

***MATHEMATICS :- (8)**

- Math 200X (4)_____
- Math 201X (4)_____

NATURAL SCIENCE:- (8)

Complete any two 4-credit Core Natural Science courses. Only one course may be Physics.
 _____() _____() _____()

PHYSICS:- (8)

- Phys 211X (4)_____ & Phys 212X (4)_____

LIBRARY & INFO SKILLS:- (0-1)

- LS competency test _____ OR
- LS 100X or 101X (1)_____

UPPER DIVISION CREDITS:- (39)

- Transfer Credits _____
 - UAF Credits (24)* _____
 - TOTAL TO DATE: _____
 - TO BE COMPLETED: _____
- *a minimum of 24 UAF credits

COMPLETE 2 DESIGNATED (W) COURSES
 AND 1 DESIGNATED (O) COURSE OR 2
 COURSES DESIGNATED (O/2) AT THE
 UPPER DIVISION LEVEL:

- _____ (W) _____ (W)
- _____ (O) OR _____ (O/2) _____ (O/2)

(cscibsms)

1. You must be junior (preferred) or senior standing.
2. You must have a 3.25 or above gpa based on a minimum of 24 credits and maintain a cumulative gpa of 3.0 to remain in the program.
3. Must submit GRE (general).
4. Must submit study goal statement.
5. Must submit UAF graduate application for admission.

*Designates only grades of "C" or better may be used to fulfill this requirement.

***MAJOR REQUIREMENTS**

1. Complete the following:- (43)

- CS 201 (3)_____ CS 471 (3)_____ (W)
- CS 202 (3)_____ EE 341 (4)_____
- CS 301 (3)_____ ENGL 314 (3)_____ (W, O/2)
- CS 311 (3)_____ Math 307 (3)_____
- CS 321 (3)_____ Math _____ (3)_____ +
- CS 331 (3)_____ Stat 300 (3)_____
- CS 402 (3)_____ (O/W)
- CS 441 (3)_____ + 300 or 400-level

2. Complete the following master core requirements (see notes):

- a. Complete the following:- (18)
 - CS 611 (3)_____ CS 671 (3)_____
 - CS 631 (3)_____ CS 690 (3)_____
 - CS 641 (3)_____ CS 691 (3)_____
- b. Complete 3 credits of upper division and/or graduate level elective:
 _____()_____
- c. Complete 6 credits of graduate level electives:
 _____()_____ _____()_____
- d. Pass a written comprehensive exam in the areas of computer algorithms/theory/complexity, computer architecture, computer language, and software engineering.

NOTE: For the master's degree, you must earn an A or B grade in 400-level courses. The C grade will be accepted in 600 level courses provided a B gpa is maintained.

NOTE: This program must be completed in 7 years or you will be disqualified from the program. If you are disqualified, a BS in CS will be awarded if: 1) completed in 10 years, and 2) meet the BS degree requirements for CS (with option subbing CS 411/451 with CS 611/651

ELECTIVES (for a total of 141 credits):

- _____ () _____ () _____
- _____ () _____ () _____
- _____ () _____ () _____

Credits for core/general requirements:	52
Credits required for major:	70
Elective credits:	15-19
Total credits required for degree	141