

2007-08 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