

2008-09 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 472 (3)_____ (O/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 441 (3)_____

CS 471 (3)_____ (W) + 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