

**2002-03 CATALOG**  
**COMPUTER SCIENCE**

B.S. Degree Requirements  
120 Credits

**GENERAL REQUIREMENTS**

**COMMUNICATIONS:- (9)**

Engl 111X (3)\_\_\_\_  
Engl 211X or 213X (3)\_\_\_\_  
Comm 131X or 141X (3)\_\_\_\_

**PERSPECTIVES ON THE HUMAN CONDITION:- (18-22)**

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 & STATISTICS:- (14)**

Math 200X (4)\_\_\_\_  
Math 201X (4)\_\_\_\_  
Math 307 (3)\_\_\_\_  
Stat 300 (3)\_\_\_\_

**NATURAL SCIENCE:- (8)**

Complete two 4-credit courses with labs from approved Natural Science core courses with depth or breadth emphasis. May not use depth-emphasis physics core courses.  
\_\_\_\_\_( )\_\_\_\_\_( )\_\_\_\_

**PHYSICS:- (8)**

Phys 103X (4)\_\_\_\_ & Phys 104X (4)\_\_\_\_  
OR  
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

(csci)

NOTE: A STUDENT MAY DECLARE A MAJOR IN COMPUTER SCIENCE ONLY WHEN SHE/ HE IS READY TO MATRICULATE INTO MATH 200, CALCULUS I.

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

**\*MAJOR REQUIREMENTS**

*\*Complete the following:- (32)*

CS 201 (3)\_\_\_\_  
CS 202 (3)\_\_\_\_  
CS 301 (3)\_\_\_\_  
CS 311 (3)\_\_\_\_  
CS 321 (3)\_\_\_\_  
CS 331 (3)\_\_\_\_  
CS 402 (3)\_\_\_\_(O/W)  
CS 411 or 451 (3)\_\_\_\_  
EE 341 (4)\_\_\_\_  
EE 342 (4)\_\_\_\_

*\*Complete 9 300/400-level credits of CS elective or approved elective (Such as EE 443)*

\_\_\_\_\_( )\_\_\_\_\_( )\_\_\_\_  
\_\_\_\_\_( )\_\_\_\_

*\*Complete 1 of the following:- (3)*

Math 302 (3)\_\_\_\_  
Math 308 (3)\_\_\_\_  
Math 310 (3)\_\_\_\_  
Math 314 (3)\_\_\_\_  
Math 371 (3)\_\_\_\_  
Math 408 (3)\_\_\_\_  
Math 460 (3)\_\_\_\_(W,O)

**ELECTIVES (for a total of 120 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)

Credits required for core:	58
Credits required for major:	44
Elective credits:	10-18
Total credits required for degree	<u>120</u>