

# 2004-05 CATALOG

## MATHEMATICS

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)

Complete the 6 courses listed **OR** 4 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)\_\_\_\_  
Art/Mus/Thr 200X or 201X or  
Ans 202X (3)\_\_\_\_  
Engl/FL 200X (3)\_\_\_\_  
BA 323X or Comm 300X or Just 300X or Nrm 303X or  
Phil 322X or PS 300X (3)\_\_\_\_  
Language option as listed above:  
\_\_\_\_\_( )\_\_\_\_\_ ( )\_\_\_\_\_ ( )\_\_\_\_\_

#### NATURAL SCIENCE:- (8)

Complete any two 4-credit Core Natural Science courses (only 1 course may be PHYS)

\_\_\_\_\_(4)\_\_\_\_\_ (4)\_\_\_\_\_

#### PHYSICS:-(8)

Complete A OR B:

A. Phys 103X (4)\_\_\_\_ & Phys 104X (4)\_\_\_\_  
B. 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

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

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

#### \*MAJOR REQUIREMENTS

##### A. Complete the following:- (24)

Math 200X (4)\_\_\_\_+  
Math 201X (4)\_\_\_\_+  
Math 202X (4)\_\_\_\_  
Math 215 (2)\_\_\_\_  
Math 308 (3)\_\_\_\_  
Math 314 (3)\_\_\_\_  
Math 401 (3)\_\_\_\_(W)  
Math 490 (1)\_\_\_\_(O)  
+Fulfills core and degree requirements for mathematics.

##### B. Complete 21 advisor approved elective credits.

Must include 12 upper division credits.

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

#### PLEASE NOTE THE FOLLOWING:

Transfer students must complete 12 credits of mathematics at the 300 level or above at UAF.

All math majors, including double majors, MUST have an advisor from the math department.

All electives must be approved by the department.

#### 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 for core/general requirements: | 44    |
| Credits required for major:            | 45    |
| Eleveive credits:                      | 27-31 |
| Total credits required for degree      | 120   |