

# 2003-04 CATALOG

## CHEMISTRY

B.S. Degree Requirements  
130 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 Hum 201X  
OR Ans 202x (3)\_\_\_\_  
Engl/FL 200X (3)\_\_\_\_  
Comm 300X or Just 300X or Nrm 303X or  
Phil 322X or PS 300X (3)\_\_\_\_  
Language option as listed above:  
\_\_\_\_\_( )\_\_\_\_ \_\_\_\_\_( )\_\_\_\_ \_\_\_\_\_( )\_\_\_\_

#### MATHEMATICS:- (12)

Math 200X (4)\_\_\_\_  
Math 201X (4)\_\_\_\_  
Math 202X (4)\_\_\_\_

#### NATURAL SCIENCE:- (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)\_\_\_\_

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)

#### UPPER DIVISION CREDITS:- (39)

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

(chem-2)

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

### \*MAJOR REQUIREMENTS

#### 1. Complete the following:- (49)

Chem 105X (4)\_\_\_\_\*\*  
Chem 106X (4)\_\_\_\_\*\*  
Chem 202 (3)\_\_\_\_  
Chem 212 (3)\_\_\_\_  
Chem 313 (2)\_\_\_\_  
Chem 321 (3)\_\_\_\_  
Chem 322 (3)\_\_\_\_  
Chem 324 (4)\_\_\_\_  
Chem 331 (3)\_\_\_\_  
Chem 332 (3)\_\_\_\_  
Chem 402 (3)\_\_\_\_+  
Chem 412 (3)\_\_\_\_+  
Chem 413 (3)\_\_\_\_(W)  
Chem 434 (3)\_\_\_\_(W)  
Chem 451 (3)\_\_\_\_  
Chem 481 (1)\_\_\_\_++  
Chem 482 (2)\_\_\_\_(O)

#### 2. Complete 2 semesters of the following:- (4)

Chem 488 (2)\_\_\_\_+  
Chem 488 (2)\_\_\_\_+

*\*\*May be used to meet general degree requirements.*

*+Advanced courses in physical or biological sciences or math may be substituted with department head approval.*

*++Chem 481 is a prerequisite for Chem 482. Must take both courses to meet the oral intensive communication requirement (O).*

#### ELECTIVES (for a total of 130 credits):

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

|  |       |
|--|-------|
| Credits for core/general requirements: | 48    |
| Credits required for major:            | 53    |
| Elective credits:                      | 25-29 |
| Total credits required for degree      | 130   |