

**2003-04 CATALOG**  
**CHEMISTRY-BIOCHEMISTRY/**  
**MOLECULAR BIOLOGY**

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

(biochem)

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

**\*MAJOR REQUIREMENTS**

Complete the following:- (58)

Biol 105X (4)\_\_\_\_\*\*  
 Biol 106X (4)\_\_\_\_\*\*  
 Biol 342 (4)\_\_\_\_ OR  
 Biol 362 (4)\_\_\_\_ OR  
 Biol 461OR 418(W)(4)\_\_\_\_  
 Chem 105X (4)\_\_\_\_\*\*  
 Chem 106X (4)\_\_\_\_\*\*  
 Chem 212 (3)\_\_\_\_  
 Chem 313 (2)\_\_\_\_  
 Chem 321 (3)\_\_\_\_  
 Chem 322 (3)\_\_\_\_  
 Chem 324 (4)\_\_\_\_  
 Chem 331 (3)\_\_\_\_  
 Chem 332 (3)\_\_\_\_  
 Chem 413++ or 434 (3)\_\_\_\_(W)  
 Chem 451 (3)\_\_\_\_  
 Chem 452 (3)\_\_\_\_(W)  
 Chem 481 (1)\_\_\_\_+++  
 Chem 482 (2)\_\_\_\_(O)  
 \_\_\_\_\_(3)\_\_\_\_+  
 \_\_\_\_\_(3)\_\_\_\_+

**+MUST BE APPROVED BY DEPARTMENT HEAD. RECOMMENDED COURSES:**

*CHEM 202, 402 and 488. Other upper division biology courses may substitute for Chem 202/402*

*++ Chem 412 is a prerequisite. Chem 413/434 are Writing Intensive courses.*

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

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

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

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

Credits for core/general requirements:	48
Credits required for major:	58
Elective credits:	24
Total credits required for degree	130