

# 2001-02 CATALOG

## APPLIED PHYSICS - COMPUTATIONAL PHYSICS

B.S. Degree Requirements

130 Credits

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

### 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:- (24)

- Math 200X (4)\_\_\_\_\_ Math \_\_\_\_\_(3)\_\_\_\_\_+
- Math 201X (4)\_\_\_\_\_ Math \_\_\_\_\_(3)\_\_\_\_\_+
- Math 202X (4)\_\_\_\_\_ Math \_\_\_\_\_(3)\_\_\_\_\_+
- Math 302 (3)\_\_\_\_\_
- +200 level or above

#### NATURAL SCIENCE:- (8)

*Complete two 4-credit courses with labs from approved Natural Science core courses with depth (EXCLUDING Phys 103 & 104) or breadth emphasis.*

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

### \*MAJOR REQUIREMENTS

*Complete the following:- (19)*

- Phys 211X (4)\_\_\_\_\_\*\*
- Phys 212X (4)\_\_\_\_\_\*\*
- Phys 213X (4)\_\_\_\_\_\*\*
- Phys 311 (4)\_\_\_\_\_
- Phys 331 (3)\_\_\_\_\_

*\*\*May be used to meet one year sequence requirement.*

*\*Complete 12 credits of Physics Elective at the 300-level or above.*

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

*Complete 12 credits of Physics Electives at the 300-level or above.*

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

*\*Complete the following courses:*

- CS 201 (3)\_\_\_\_\_ Math 310 (3)\_\_\_\_\_
- CS 202 (3)\_\_\_\_\_ Phys 220 (4)\_\_\_\_\_
- CS 262 (3)\_\_\_\_\_

*\*Complete 4 credits in other relevant upper-division courses in a chosen subject area approved by the Physics department head.*

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

#### Electives (for a total of 130):

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

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

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

Credits required for core:	60-64
Credits required for major:	51
Elective credits:	15-19
Total credits required for degree:	130

