**2010-11 CATALOG**  
**APPLIED PHYSICS - COMPUTATIONAL PHYSICS**  
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 HUM 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:


**MATHEMATICS:** (21)  
MATH 200X (4)  
MATH 201X (4)  
MATH 202X (4) +200 level or above

**NATURAL SCIENCE:** (8)  
Complete any two 4-credit Core Natural Science courses (only 1 course may be PHYS)


**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:


**UPPER DIVISION CREDITS:** (39)  
Transfer Credits _______  
UAF Credits (minimum 24) _______  
TOTAL TO DATE: _______  
TO BE COMPLETED: _______

Credits for core/general requirements: 56  
Credits required for major: 54  
Elective credits: 10  
Total credits required for degree: 120

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

**MAJOR REQUIREMENTS**

1. Complete the following: (28)  
PHYS 211X (4)**  
PHYS 212X (4)**  
PHYS 213X (4)**  
PHYS 220 (4)  
PHYS 301 (4)  
PHYS 341 (4)  
PHYS 342 (4)**  
**May be used to meet one year sequence requirement.

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


3. Complete the following courses: (9)  
CS 201 (3)  
MATH 310 (3)  
CS 202 (3)

4. Complete 5 credits in other relevant upper-division courses in a chosen subject area approved by the Physics department chair.


Electives (for a total of 120 credits):


(aphycom)