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:

ELECTIVES (for a total of 120 credits):

MATHEMATICS:- (18)
Math 200X (4)___
Math 201X (4)___
Math 202X (4)___
Complete 6 Math credits at the 300 level or above:

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

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

Credits for core/general requirements: 54
Credits required for major: 56
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

Complete the following:- (54)
Phys 211X (4)___+
Phys 212X (4)___+
Phys 213X (4)___+
Phys 220 (4)___
Phys 301 (4)___
Phys 313 (4)___
Phys 341 (4)___
Phys 342 (4)___
Phys 343 (4)___
Phys 381 (3)___(W,O)
Phys 382 (3)___W
Phys 421 (4)___
Phys 462 (4)___
Phys 471 (3)___
Phys 472 (3)___
*May be used to meet one year sequence requirement.

COMPLETE 2 DESIGNATED (W) COURSES AND 1 COURSE DESIGNATED (O) OR 2 COURSES DESIGNATED (O/2) AT THE
UPPER DIVISION LEVEL:

Credits required for degree: 120

11/17/2009
## Begins with math placement in Math 201 - Calculus II

### First Year: Fall
- PHYS 211X - General Physics I 4
- ENGL 111X - Intro to Academic Writing 3
- MATH 201 - Calculus II 4
- PHYS 113 - Concepts of Physics 1
- Core Perspectives (1 of 6) 3

### First Year: Spring
- PHYS 212X - General Physics II 4
- Comm 131X/141X 3
- MATH 202X - Calculus III 4
- LS 101 - Library Science 1
- Core Perspectives (2 of 6) 3

### Second Year: Fall
- ENGL 213X - Academic Writing Soc/Nat 3
- CHEM 105 - General Chemistry I 4
- Physics 213X - Elementary Mod. Physics 4
- PHYS 313 - Thermo and Stat Physics 4
- Core Perspectives (3 of 6) 3

### Second Year: Spring
- PHYS 301 - Intro to Math Physics 4
- CHEM 106X - General Chemistry II 4
- PHYS 220 - Computational Physics 4
- Upper Division Elective 3

### Third Year: Fall
- MATH 421 - Applied Analysis 4
- PHYS 341 - Class Physics: Part Mech 4
- PHYS 381W/O - Physics Laboratory 3
- Core Perspectives (4 of 6) 3

### Third Year: Spring
- PHYS 342-Class Phys II: E & M 4
- PHYS 382W - Physics Advanced Lab 3
- MATH 422 - Intro Complex Analysis 3
- Core Perspectives (5 of 6) 3

### Fourth Year: Fall
- PHYS 343 - Class Phys: Vibrations/Waves 4
- PHYS 421 - Quantum Mechanics 4
- PHYS 471 - Advanced Topics I 3
- Upper Division Elective 3

### Fourth Year: Spring
- PHYS 462 - Optics 4
- PHYS 472 - Advanced Topics 3
- MATH Elective 3
- Upper Division Elective (Oral Intensive) 3
- Core Perspectives (6 of 6) 3

### Suggested electives for a total of 130 credits:
- NRM 452 (3)
- CS 202 (3)
- MATH 308 (3)
- MATH 310 (3)
- MATH 412 (3)
- MATH 305 (3)
- ENGL 314 (3)