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Revised 3/4/13

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copy to fysenat@uaf.edu)

PROGRAM/DEGREE REQUIREMENT CHANGE (MAJOR/MINOR)

SUBMITTED BY:

Department	Physics	College/School	CNSM
Prepared by	Denote Weckerbauer	Phone	Y6108

Major -- B.A. Degree

- A. Complete the general university requirements.
- B. Complete the B.A. degree requirements.
- C. Complete the following program (major) requirements:
- D. Complete the following: * PHYS F211X--General Physics--4 credits PHYS F212X--General Physics--4 credits PHYS F213X--Elementary Modern Physics--4 credits PHYS F301--Introduction to Mathematical Physics--4 credits PHYS approved electives--20 credits
- E. Complete the following: MATH F200X--Calculus I**--4 credits MATH F201X--Calculus II**--4 credits MATH F202X--

and F308.

Requirements for physics teachers (grades 7 - 12)

- A. Complete all the requirements of the B.A. or B.S. degree.
- B. All prospective physics teachers must complete the

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Physics

College of Natural Science and Mathematics Department of Physics
907-474-7339 www.uaf.edu/physics/

B.S. DEGREE; MINOR

Downloadable PDF

Minimum Requirements for Degree: 120 credits

credits PHYS F342--Classical Physics II: Electricity and Magnetism--4 credits

F200X--Calculus I**--4 credits MATH F201X--Calculus II**--4 credits
MATH F202X--Calculus.III--4 credits

5. Complete one of the following options
Option I -- Physics
- a. Complete MATH electives at the F300-level or above***--6 credits
 - b. Complete the following:* PHYS F313--Thermodynamics and Statistical Physics--4 credits PHYS F343--Classical Physics III:

Vibration and Waves--4 credits PHYS F381W,O--Physics

Option V -- Technical Management

- a. Complete mathematics electives at the F300-level or above*** --3 credits

credits

- c. Complete physics credits at the F300-level or above*--12 credits
- d. Complete the following****. ACCT F261, F262--Accounting Concepts and Uses--6 credits BA F325--Financial Management#--3 credits BA F330--The Legal Environment of Business#--3 credits BA F343--Principles of Marketing#--3 credits BA F360--Operations Management#--3 credits BA F390--Organizational Theory and Behavior#--3 credits
- e. Minimum credits required--120 credits

* Students must earn a C grade (2.0) or better in each course.

** Satisfies core curriculum or B.S. degree requirements, but not both.

*** Suggested electives: MATH F214, F211 and F212

Note: We strongly recommend that prospective secondary science teachers seek advising from the UAF School of Education early in your undergraduate degree program, so that you can be appropriately advised of the state of Alaska requirements for teacher licensure. You will apply for admission to the UAF School of Education's post-baccalaureate teacher preparation program, a one-year intensive program, during your senior year.

1. Complete the following:

2. PHYS F211X--General Physics I--4 credits PHYS F212X--General Physics II--4 credits PHYS F213X--Elementary Modern Physics--4 credits Physics electives at the F300 - F400-level--8 credits
3. Minimum credits required--20 credits

