

in *Lang*

38 GDCB

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**PROGRAM/DEGREE REQUIREMENT CHANGE (MAJOR/MINOR)**

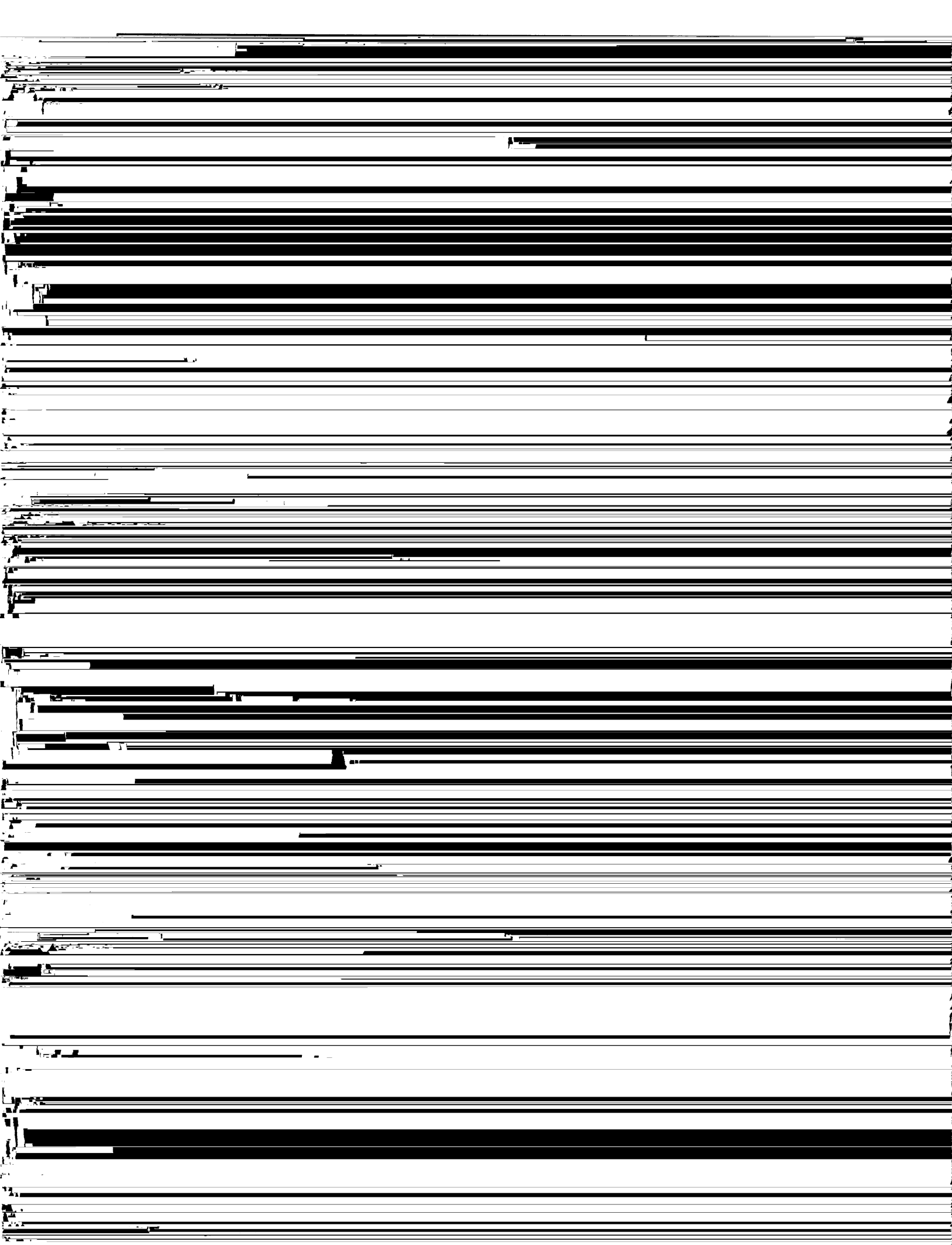
**SUBMITTED BY:**

|               |  |                 |                    |
|---------------|--|-----------------|--------------------|
| Department    | Physics  | College/School  | CNSM               |
| Prepared by   | Renate Wackerbauer   | Phone           | X6108              |
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See <http://www.uaf.edu/uafgov/faculty/cd> for a complete description of the rules

*governing curriculum & course changes.*

**PROGRAM IDENTIFICATION:**





# Physics

College of Natural Science and Mathematics  
Department of Physics

907-474-7339

**B.A., B.S., M.S., M.A.T., PH.D. DEGREES**

[Downloadable PDF](#)

Minimum Requirements for Degrees: M.S.: 30 - 33 credits; M.A.T.: 36 credits; Ph.D.: 18 thesis credits

The science of physics is combined with the nature of matter and energy.

3. Complete four of the following: ~~Complete the thesis or non-thesis requirements:~~

PHYS F611--Mathematical Physics I--3 credits

PHYS F612--Mathematical Physics II--3 credits

PHYS F621--Classical Mechanics--3 credits

PHYS F622--Statistical Mechanics--3 credits

PHYS F631--Electromagnetic Theory I--3 credits

PHYS F632--Electromagnetic Theory II--3 credits

PHYS F651--Quantum Mechanics I--3 credits

PHYS F652--Quantum Mechanics II--3 credits

4. ~~Complete the thesis or non-thesis requirements:~~

Thesis

Graduate Program -- M.S. Degree with Computational Physics Option

1. Complete the general university requirements.
2. Complete the master's degree requirements.
3. Complete the following:
  - PHYS F611--Mathematical Physics I--3 credits
  - PHYS F612--Mathematical Physics II--3 credits
  - PHYS F629--Methods of Numerical Simulation in Fluids and Plasma--3 credits
4. Complete at least 3 credits from the following:
  - Approved MATH F600-level courses (excluding MATH/PHYS F611 and F612)--3 credits
  - Approved CS F600-level courses--3 credits
5. Complete the thesis or non-thesis requirements:

Thesis

1. Complete the following:
  - PHYS F600--Thesis 6-12 credits

2. Complete approved PHYS F600-level courses --6cr

option. \* At least 24 credits must be from regular course work for non-thesis

Non-Thesis

2. Minimum credits required--30 - 33 credits

Non-Thesis

1. Complete the following:

PHYS F698--Research--3 - 6 credits

Approved PHYS F600-level courses--18 credits

2. Minimum credits required--30 - 33 credits

**Graduate Program -- M.A.T. Degree**

1. Complete the general university requirements.
2. Complete the M.A.T. degree requirements.
3. Contact the department head for specific degree requirements.
4. Minimum credits required--36 credits

**Graduate Program -- Ph.D. Degree**

WHAT IMPACT IF ANY WILL THIS HAVE ON BUDGET FACILITIES/SPACE FACILITY ETC