

Submit originals and one copy and electronic copy to Governance/Faculty Senate Office (email electronic copy to "b! arvie" alas#a\$edu%

Department	Physics	College/School	CNSM
Prepared by	C. P. Price	Course	PHYS 313
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See <http://www.uaf.edu/uafgov/faculty-senate/curriculum/course-degree-procedures/> for a complete description of the rules governing curriculum & course changes.

	Physics
	B.S.

proposal is to change the degree requirements from PHYS 313 to PHYS 351 AND PHYS 451.

Major — B.S. Degree

1. Complete the general university requirements. (See page 132.

As part of the core curriculum requirements, these courses are suggested: CHEM F105X and CHEM F106X; GEOS F101X; BIOL F115X.)

2. Complete the B.S. degree requirements (page 137).

3. Complete the following program (major) requirements:*

PHYS F211X—General Physics.....	4
PHYS F212X—General Physics.....	4
PHYS F213X—Elementary Modern Physics.....	4
PHYS F220—Introduction to Computational Physics.....	4
PHYS F301—Introduction to Mathematical Physics.....	4
PHYS F313—Thermodynamics and Statistical Physics.....	4
PHYS F341—Classical Physics I: Particle Mechanics.....	4
PHYS F342—Classical Physics II: Electricity and Magnetism.....	4
PHYS F343—Classical Physics III: Vibration and Waves.....	4
PHYS F381W,O—Physics Laboratory.....	3
PHYS F382W—Physics Laboratory.....	3
PHYS F421—Quantum Mechanics.....	4
PHYS F462—Geometrical and Physical Optics.....	4
PHYS F471—Advanced Topics in Physics I**.....	3
PHYS F472—Advanced Topics in Physics II**.....	3
4. Complete the following program (major) requirements:	
MATH F200X—Calculus I***.....	4
MATH F201X—Calculus II***.....	4
MATH F202X—Calculus III.....	4
MATH electives at the F300-level or above****.....	6

5. Minimum credits required..... 120

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

Students must take at least three emphasis topics from F471 and at least three application topics from F472

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

**** Suggested electives: MATH F314, F421 and F422.

Note: Other courses suggested to fulfill minimum credit requirements: ES F201, F307 and F308.

"JUSTIFICATION FOR ACTION REQUESTED

The purpose of this document is to inform campus-wide community committees in a timely manner being change applications to make sure that the quality of our education is not lowered as a result of the proposed change.

addressed:

1. **Faculty**

2. **Students**

3. **Parents**

4. **Community**

5. **Other**

6. **Administrators**

7. **Other**

8. **Other**

9. **Other**

10. **Other**

11. **Other**

12. **Other**

13. **Other**

14. **Other**

15. **Other**

16. **Other**

17. **Other**

18. **Other**

19. **Other**

20. **Other**

21. **Other**

22. **Other**

23. **Other**