



College of Science, Engineering and Mathematics Department of Physics (907) 474-7339

www.uaf.edu/physics/ Degrees: M.S., Ph.D.

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

thesis credits

Space physics focuses on the physics of upper atmospheres, ionospheres, magnetospheres and the interplanetary medium.

The Space Physics program is a graduate speciality area within the UAF physics department. The program includes core foundation physics courses and speciality courses in space physics, aeronomy, magnetospheric and auroral physics, and advanced plasma physics.

Speciality courses support graduate research with faculty members of the UAF Geophysical Institute. Techniques courses provide training in areas such as numerical simulations and time-series analysis. Additional courses provide breadth such as radiative transfer and physics of fluids.

Academic and research work may lead to employment opportunities with educational institutions, the aerospace industry and in government.

GRADUATE PROGRAM

Space Physics—M.S. Degree

- 1. Complete the general university requirements (page 43).
- 2. Complete the master's degree requirements (page 46).

Thesis

a.	Complete the following:	
	PHYS 699—Thesis	6-12
	Approved PHYS electives	12
b.	Minimum credits required	30-33

Non-Thesis

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a.	Complete the following:	
	Approved PHYS electives	18
	PHYS 698—Research	
b.	Minimum credits required	30-33
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Space Physics—Ph.D. Degree

- 1. Complete the general university requirements (page 43).
- 2. Complete the Ph.D. degree requirements (page 48).*
- 3. Complete and pass a written and oral comprehensive examination.
- 4. Demonstrate competency in a foreign language or a research tool.

See Physics.



University of Alaska Fairbanks

^{*} Complete in accordance with the physics department's policies and procedures manual for graduate students.