Physics, Space

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

M.S., Ph.D. Degrees

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. It includes core physics courses and specialty courses in space physics, aeronomy, magnetospheric and auroral physics, and advanced plasma physics. The specialty courses support graduate research with faculty members at UAF's Geophysical Institute, and include areas such as numerical simulations and time-series analysis. Additional courses such as radiative transfer and physics of fluids provide added breadth.

Graduate Program — M.S. Degree

- 1. Complete the general university requirements (page 201).
- 2. Complete the master's degree requirements (page 205).

4.	Complete the thesis or non-thesis requirements:
	Thesis
a.	Complete the following:
	PHYS F699—Thesis6 – 12
	Approved PHYS electives12
b.	Minimum credits required30 – 33
	Non-Thesis
a.	Complete the following:
	Approved PHYS electives
	PHYS F698—Research3 – 6
b.	Minimum credits required30 – 33
Graduate Program — Ph.D. Degree	
1.	Complete the general university requirements (page 201).
2.	Complete the Ph.D. degree requirements (page 206).*
3.	Complete and pass a written and oral comprehensive examination.

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

See Physics.

