

# PHYSICS, SPACE

College of Natural Science and Mathematics  
Department of Physics  
907-474-7339  
[www.uaf.edu/physics/](http://www.uaf.edu/physics/)

## Ph.D. Degree

Minimum Requirements for Degree: 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 — Ph.D. Degree

1. Complete the general university requirements (page 241).
  2. Complete the Ph.D. degree requirements (page 241).\*
  3. Complete and pass a written and oral comprehensive examination.
  4. Minimum credits required ..... 18
- \* Complete in accordance with the physics department's policies and procedures manual for graduate students.  
See Physics.