

[Return to ATM Home page](#)

Degree Requirements

Master of Science

The master's degree program at UAF requires a thesis, the completion of ATM 601 and the completion of three out of four remaining **core** courses listed below.

- *ATM 601: Introduction to Atmospheric Sciences (REQUIRED BY ALL STUDENTS)*
- *ATM 645: Atmospheric Dynamics I*
- *CHEM 606: Atmospheric Chemistry*
- *ATM 613: Atmospheric Radiation*
- *ATM 615: Cloud Physics*

In addition to the basic core, students take additional courses to obtain the breadth necessary to be an atmospheric scientist. Course descriptions for **core courses** and **breadth courses** offered by the Department of Atmospheric Sciences at UAF can be found [here](#).

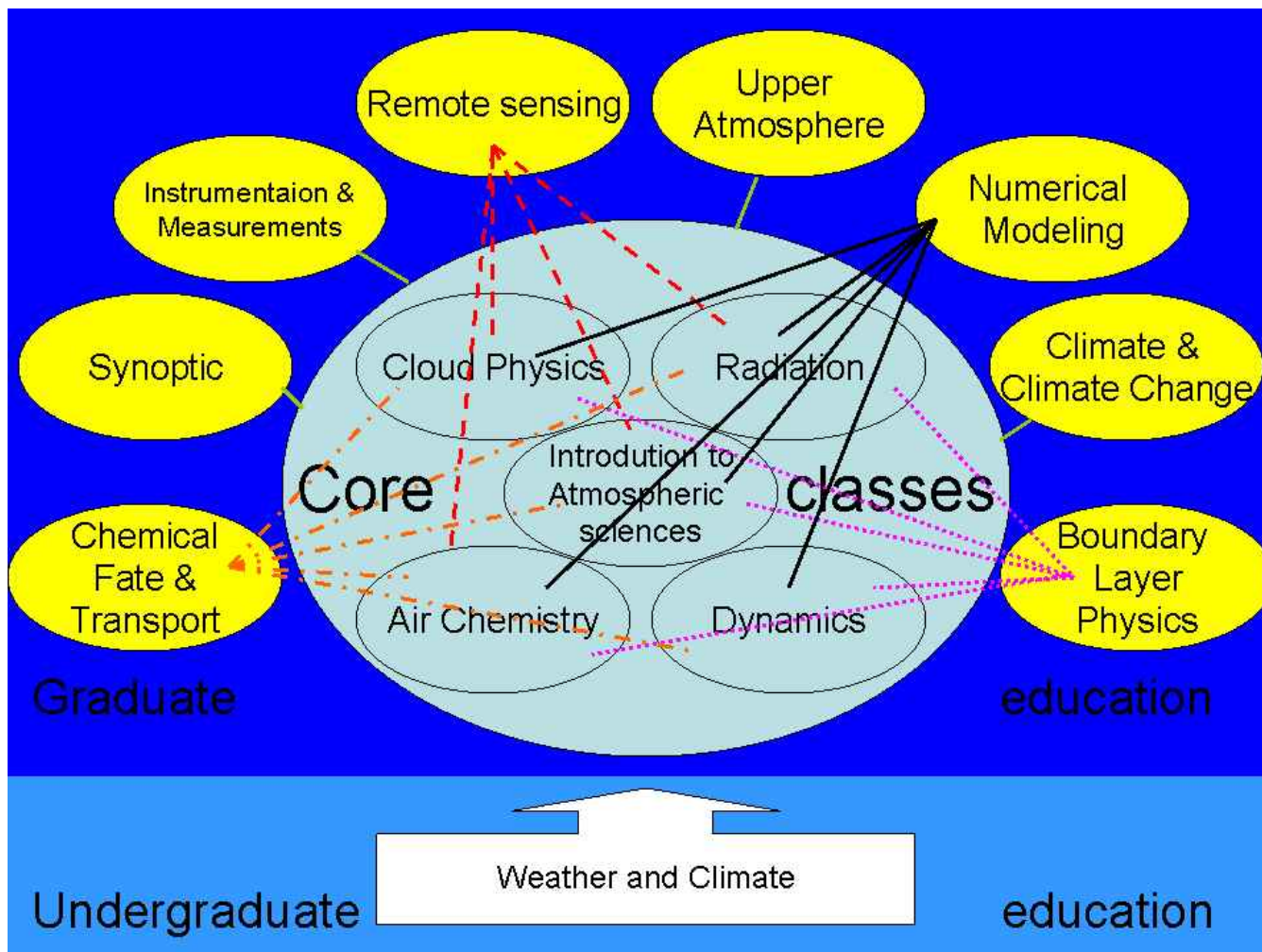
One additional 600-level course and the completion and oral defense of a master's thesis.

Doctor of Philosophy

The Ph.D. degree requires masterful completion of all five core courses listed above plus additional course work. Ph.D. students are required to pass a *written* comprehensive examination covering the courses listed under the master's degree program. Students must also successfully pass a *oral* preliminary examination within their specialty. Finally, all students must write and defend a Ph.D. dissertation.

Relationship Between Courses

The core courses (light blue circle) provide the basics which prepare the students for the specialized courses (yellow circles). This chart displays the relationship between the core and specialty courses. Specialty classes that rely on basic principles from all of the core classes have one yellow line to the large blue circle.



Conceptual diagram by N. Mölders

For more details please consult our [Program's Graduate Plan](#).

[Contact Us](#) | August 26, 2009