

# METEOROLOGY AND ATMOSPHERIC SCIENCE

---

## Learning Outcomes

### MAster of Science (M.S.)

1. Know: Graduates will acquire and demonstrate mastery of knowledge within a core disciplinary area of the atmospheric sciences while demonstrating familiarity with other topics within the atmospheric sciences outside of the core area.
2. Investigate: Graduates will develop analytical and methodological skills necessary to apply knowledge of the atmospheric sciences to the solution of an unanswered problem within the discipline.
3. Communicate: Graduates will disseminate results of investigation via a logically, clearly written master's thesis, and via articulate, effective presentations.
4. Professional practice: Graduates will demonstrate the ability to collaborate in a collegial and ethical manner with other professionals within their field or with diverse scientific backgrounds.

### Doctor of Philosophy (Ph.D.)

1. Know: Graduates will demonstrate in-depth knowledge within a core disciplinary area of atmospheric science while extending their depth of knowledge on other topical areas within the atmospheric sciences.
2. Investigate: Graduates will master analytical and methodological skills necessary to pursue solutions to unanswered problems within the atmospheric sciences independently.
3. Communicate: Graduates will disseminate research results of investigations through a logically, clearly written doctoral thesis, and through articulate, effective presentations.
4. Professional practice: Graduates will demonstrate the ability to collaborate in a collegial and ethical manner with other professionals in their field or with diverse scientific backgrounds.