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.