

**UNIVERSITY OF ALASKA FAIRBANKS**  
**College of Natural Science and Mathematics**  
**Department of Atmospheric Sciences**  
**Student Learning Outcomes Assessment for PhD**  
August 2020

Expanded Statement of Institutional Purpose	Intended Objectives/Outcomes	Assessment Criteria and Procedures	Implementation (what, when, who)
<p><b>MISSION STATEMENT:</b></p> <p><b>The Atmospheric Sciences Graduate Program will provide scientists and professionals with the background, training and insight to understand and explore the physical, chemical and dynamical processes of the atmosphere.</b></p> <p><b>GOAL STATEMENT:</b></p> <p><b>We will maintain a program of high quality and produce scientists and professionals capable of solving current problems and anticipating future challenges in Atmospheric Sciences.</b></p>	<p>Upon completion of the program, graduates can function effectively in their area of expertise.</p>	<p>Atmospheric Sciences will maintain a strong reputation for producing well-trained PhD graduates.</p>	<p>Graduates will be surveyed to identify program strengths and weaknesses. These surveys will be used in department program development strategies.</p>
	<p>Students will be capable of analyzing a problem, identifying the critical aspects, and devise appropriate methods to resolve the questions that arise.</p>	<p>Thesis will demonstrate the identification of and solution to research problems at international level.</p>	<p>Committee will be surveyed after thesis defense.</p> <p>Students will be surveyed.</p>
	<p>Graduates will be successful in obtaining work, or progressing in their field.</p>	<p>90% will be employed 1 year after graduation.</p>	<p>Graduates will be surveyed.</p>
	<p>Demonstrated original thinking.</p>	<p>At least one first authored peer-reviewed publication and at least one conference abstract.</p>	<p>Students will produce one published or “in press” paper at time of degree completion.</p>
	<p>Students will have exposure communicating orally.</p>	<p>Graduate students will have the opportunity to practice effective public speaking.</p>	<p>Seminar quality will be evaluated. Advisors will provide feedback on effectiveness of the presentations.</p>