

**UNIVERSITY OF ALASKA FAIRBANKS**  
**Student Learning Outcomes Assessment Plan**  
**Master of Civil Engineering**  
College of Engineering and Mines

Expanded Statement of Institutional Purpose	Intended Objectives/Outcomes	Assessment Criteria and Procedures	Implementation (what, when, who)
<b>MISSION STATEMENT:</b> <ul style="list-style-type: none"> <li>To provide the highest level of graduate education. This will include competency in a Civil Engineering specialization as well as a highly focused training on an individual subject within their specialization.</li> <li>To provide an environment encouraging research for engineers at the MS level. We see integration of research and teaching as critical to our mission.</li> <li>To impart a desire for life-long learning so that engineers from the UAF Department of Civil and Environmental Engineering remain atop their field throughout their career.</li> </ul>	Graduates will have a strong fundamental scientific and technical knowledge base as well as strong critical thinking skills in a CE specialization. <i>Completion of 30 credits 24 of which must be in an area of specialization.</i>	<ul style="list-style-type: none"> <li>Assessment of comprehensive exam results.</li> <li>Assessment of time required to earn degree.</li> </ul>	Compilation of exam results and time to earn degree annually by CEE staff.
	Graduates will apply their engineering skills to critically analyze and interpret data in a CE specialization. <i>Completion of a project or thesis for all MS degrees.</i>	<ul style="list-style-type: none"> <li>Assessment of project or thesis quality.</li> </ul>	Assessment of project or thesis by advisory committee and compilation by CEE staff annually.
	Graduates will be able to communicate with technical, professional and broader communities in written, verbal and visual formats, including interacting in interdisciplinary contexts. <i>Comprehensive examination and a project or thesis defense.</i>	<ul style="list-style-type: none"> <li>Assessment of project or thesis defense presentation quality, including publications from theses and projects.</li> </ul>	Assessment of project or thesis defense and publications by advisory committee and compilation by CEE staff annually.
			Summary report provided to CEE external advisory board and faculty annually for review and recommendations.

November 2010