

UNIVERSITY OF ALASKA FAIRBANKS
Student Learning Outcomes Assessment Plan
Masters of Science in Computer Science
 Department of Computer Science
 October 1, 2013

Expanded Statement of Institutional Purpose	Intended Objectives/Outcomes	Assessment Criteria and Procedures	Implementation (what, when, who)
<p>MISSION STATEMENT College of Engineering and Mines</p> <p>The College of Engineering and Mines at the University of Alaska Fairbanks advances and disseminates technical and scientific knowledge through innovative teaching, research and public service with an emphasis on Alaska and other high-latitude regions. The College promotes students' self motivation to excel and guides them towards professional careers and entrepreneurship in an environment of life-long learning.</p> <p>VISION STATEMENT College of Engineering and Mines</p> <p>The vision of the College of Engineering and Mines at the University of Alaska and its research arm, the Institute of Northern Engineering (INE), is to provide strong B.S., M.S. and Ph.D. degree programs, increase enrollments and graduates, and maintain and enhance research excellence and growth in extramural research funding. Vitality in scholarship is improved at all levels by recruiting and retaining the best and brightest faculty, staff, and undergraduate and graduate students. Instructional programs use the most current technologies and methods to provide students the knowledge and skills they need to develop to their full potential. CEM is dedicated to continuous improvement of its academic programs and to substantially increase the number of engineering graduates to meet the needs of the state and the nation.</p>	<p>Knowledge: Students will demonstrate knowledge of theoretical foundations and formal methods in computer science.</p>	<ul style="list-style-type: none"> • Comprehensive exam results • Faculty assessment of masters projects • Graduate committee evaluation 	<p>Comprehensive exam results collected and summarized annually by the Graduate committee.</p> <p>Individual graduate advisory committees assess each student's project.</p> <p>Graduate committee as a whole evaluates above data, makes recommendations.</p>
	<p>Communication: Students will demonstrate the ability to communicate effectively both orally and in writing.</p>	<ul style="list-style-type: none"> • Faculty assessment of seminar presentations • Faculty assessment of masters project reports • Graduate committee evaluation 	<p>Seminar presentations assessed by attending faculty.</p> <p>Individual graduate advisory committees assess each student's project report.</p> <p>Graduate committee as a whole evaluates above data, makes recommendations.</p>
	<p>Practice: Students will demonstrate the ability to apply their knowledge to practical problems.</p>	<ul style="list-style-type: none"> • Faculty assessment of masters projects • Graduate committee evaluation 	<p>Individual graduate advisory committees assess each student's project.</p> <p>Graduate committee as a whole evaluates above data, makes recommendations.</p>