

UNIVERSITY OF ALASKA FAIRBANKS
Student Learning Outcomes Assessment Plan
Master of Science in Computer Science
 College of Engineering and Mines
 2021

Expanded Statement of Institutional Purpose	Intended Objectives/Outcomes	Assessment Criteria and Procedures	Implementation (what, when, who)
MISSION STATEMENT: To provide quality education consistent with the requirements of the Computing Accreditation Commission of ABET and the recommendations of the UAF Computer Science Industry Advisory Board, which is responsive to the needs of individual students and the diverse population of Alaska. GOAL STATEMENT: The faculty of the Department of Computer Science at UAF provides a positive learning environment that enables students to pursue their goals in an innovative program that is rigorous, challenging and supportive. The M.S. program prepares students to be effective researchers or faculty members or to have leading roles in computer science.	Knowledge: Students will demonstrate knowledge of theoretical foundations and formal methods in computer science.	- Comprehensive exam results - Faculty assessment of MS projects - Graduate committee evaluation	Comprehensive exam results collected and summarized annually by the Graduate Committee. Individual graduate advisory committees assess each student's project. Graduate Committee as a whole evaluates above data yearly, makes recommendations.
	Communication: Students will demonstrate the ability to communicate effectively both orally and in writing.	- Faculty assessment of MS project reports - Graduate committee evaluation of three formal graduate seminar talks	Seminar presentations assessed by attending faculty. Individual graduate advisory committees assess each student's project report. Graduate Committee as a whole evaluates above data yearly, makes recommendations.
	Practice: Students will demonstrate the ability to apply their knowledge to practical problems.	- Faculty assessment of MS projects. - Graduate committee evaluation	Individual graduate advisory committees assess each student's project. Graduate Committee as a whole evaluates above data yearly, makes recommendations.