

UNIVERSITY OF ALASKA FAIRBANKS
Student Learning Outcomes Assessment Plan
Statistics and Data Science MS
CNSM
October 27, 2025

Expanded Statement of Institutional Purpose	Intended Objectives/ Outcomes	Assessment Criteria and Procedures	Implementation (what, when, who)
MISSION STATEMENT: We shall provide a thorough graduate education in statistical theory and methods.	Students will master a wide variety of statistical methodologies, and will be able to design experiments and analyze data using software including R.	EXIT LEVEL: Evaluation of the student' research projects or theses.	EXIT LEVEL: Examined by all members of the program faculty.
GOAL STATEMENT: We aim to ensure that our student have the skills to successfully compete for and excel in jobs in applied statistics. Our students will be highly qualified, in particular, as biometricians for government agencies. The students will also be well-prepared for additional education in statistics.	Students will understand and be able to use statistical theory.	EXIT LEVEL: 1) Written and oral part of the comprehensive exam. 2) Report by the students' advisors.	EXIT LEVEL: Written-- assessed by the program faculty; Oral—assessed by the graduate committee.
	Students will have consulting skills.	EXIT LEVEL: Students' achievement in the consulting seminar.	EXIT LEVEL: Ascertained by the faculty member in charge of the seminar.
	Students will display effective written communication skills.	EXIT LEVEL: 1) Evaluation of the students' research projects or theses, 2) Oral portion of comprehensive exam, 3) Public defense of the student's research projects or theses	EXIT LEVEL: Assessment by the program faculty at the time of graduation.