

Mathematics and Data Science Criteria for Success

Program Learning Outcomes	Measure	Criteria for Success
Students will be able to demonstrate facility with analytical and algebraic concepts.	MTH2074 Signature Assignment (A)	80% of the students should have an average score of at least 2.5 in each of the major areas.
Students will be able to write proofs.	MTH3012 (A), MTH4024 (2) and MTH4044 (2) Signature Assignments	80% of the students to score a 2.5 or higher in each of the areas on the department rubric.
Students will be able to apply their mathematical knowledge and critical thinking to solve problems. (CC: CT)	MTH2033 Signature Assignment (A)	80% of the students should have an average score of at least 2.5 in each of the major areas.
Students will be able to use technology to solve problems.	CSC2052/2052L Signature Assignment (A) MTH3083 Signature Assignment (2)	CSC2052: 80% of the students should have an average score of at least 2 in each of the major areas. MTH3083: 80% of the students should have an average score of at least 2.5 in each of the major areas.
Students will be able to speak about their work with precision, clarity and organization. (CC: OC)	Senior Seminar: Oral presentation evaluated by a jury using a rubric (A).	80% of the students should have an average score of at least 2.5 in each of the major areas in the department rubric.
Students will be able to write about their work with precision, clarity and organization. (CC: WC)	Senior Seminar: Written summary evaluated by a jury using a rubric (A).	80% of the students should have an average score of at least 2.5 in each of the major areas in the department rubric.
Students will be able to identify, locate, evaluate, and effectively and responsibly use and cite information for the task at hand. (CC: IL)	Senior Seminar: Written summary evaluated by a jury using the information literacy portion of the departmental writing rubric (A).	80% of the students should have an average score of at least 2.5 in each of the major areas in the information literacy part of the rubric.
Students will collaborate effectively in teams.	MTH3052 Group assignment (2) Group rubric/questionnaire	80% of the students should have an average score of at least 2.5 in each of the major areas.
Students will be able to understand and create arguments supported by quantitative evidence. (CC: QR)	MTH3083 Signature Assignment (A)	80% of the students should have an average score of at least 2.5 in each of the major areas.
Students will understand the professional, ethical and social issues and responsibilities with the implementation and use of technology.	MTH3083 Signature Assignment (A) MTH4133/MTH4072/MTH4062 Signature Assignment (A)	80% of the students should have an average score of at least 2.5 in each of the major areas.

A – means that the measure is done annually
 2 – means that the measure done every two years