

Date: July 2020

Program Name: Data Science MS

CIP Code:

Department:

Domain	Program-Level Student Learning Outcome (From ALC or ALP)	Year 1	Year 2	Year 3	Year 4	Year 5
		2019-2020	2020-2021	2021-2022	2022-2023	2023-2024
Content	Identify, formulate, and solve complex data problems by selecting and applying appropriate methods relevant to the student's chosen track.	STA 5176 Exam Questions STA 6235 Project Questions Rubric*	STA 5176 Exam Questions STA 6235 Project Questions Rubric*	STA 5176 Exam Questions STA 6235 Project Questions Rubric*		STA 6257 Projects/Papers Rubric*
Communication	Students can formulate reasonable interpretations of data and share them effectively through visual and narrative means.			STA 6257 Project/Papers Rubric*	STA 6257 Project/Papers Rubric*	STA 6257 Project/Papers Rubric*
Critical Thinking	Students understand the broad impact of data on society and can raise critical questions about data, its interpretation, and visualization, and		STA 5176 Exam Questions STA 6235 Project Questions Rubric*	STA 5176 Exam Questions STA 6235 Project Questions Rubric*		STA 6257 Project/Papers Rubric*
Integrity / Values	Recognize ethical and professional responsibilities in data science situations and make informed judgments, which must consider				STA 6257 Project/Papers Rubric*	STA 6257 Project/Papers Rubric*

Assessment Activity (Examples)

- Gather baseline data
- (Revise rubric; gather data)
- Implement actions for improvement
- Follow-up assessment (impact data)

Methods of Assessment

Direct Measures:

- Exam questions
- Student paper (rubric)
- Presentation (rubric)

Indirect Measures:

- Focus group
- Exit interview
- Alumni survey

External Direct Measures:

- Supervisor/Employer feedback
- External Professional Exam

Revised August 2022

Approved May 10, 2023