Quantitative Sciences: Data Science Track Checklist

Name: _____ **ID #:** _____

Academic Advisor: _____ **Date:** _____

Core Courses
Required for all QSS-DS majors declared Fall 2023 or later

Course number & title			Semester & Year	Grade	Credits
MATH	111†	Calculus I		X	3
QTM	110	Introduction to Scientific Methods			3
QTM	150	Intro to Statistical Computing I			2
QTM	151	Intro to Statistical Computing II			2
MATH	210	Advanced Calculus for Data Sciences			4
MATH	221†	Linear Algebra		X	4
QTM	210	Probability & Statistics			4
QTM	220	Regression Analysis			4

MATH 111 and MATH 221 are prerequisites to the QSS major and do not count towards major GPA

Focus Tracks
Complete 2 of the 4 topic sequences below (12 Credits)

Machine Learning	Causal Inference	Statistical Theory	Mathematical Modeling
QTM 347	QTM 345	QTM 365	Complete 2 of the following: QTM 315, QTM 325, QTM 490: Social Choice Theory
QTM 447	QTM 445	QTM 465	

Free Elective Courses
QTM electives include 300- and 400-level lecture and seminar style classes of 3+ credit hours. Courses not used in the focus tracks above can be used to satisfy the free elective requirement. QTM 398R, 495A, 495B, 496R, 497R, 498R and 499R may not be used.

Course number & title		Semester & Year	Grade	Credits
QTM				
QTM				
QTM				
QTM				
QTM				

Experiential Learning Courses
Choose 2 from the following list: QTM 398R, 495A, 495BW, 496R, 497R, 498R and 499R. Each course number may only be used once. Non-QTM experiential learning courses may be used with departmental approval.

Course number & title		Semester & Year	Grade	Credits
QTM				
QTM				

Expected Graduation: _____
Semester & Year

Total credit hours completed: _____
124 academic credit hours + 2 PE + HLTH100 needed for graduation

Credits toward QSS: _____
50+ needed to earn degree