Applied Mathematics & Statistics Major Checklist

Name: ID #:

Academic Advisor: Date:

QTM Courses
*Required for all AMS majors **declared Fall 2019 through Summer 2022***

Course number & title			Semester & Year	Grade	Credits
QTM	110	Introduction to Scientific Methods			3
QTM	150	Intro to Statistical Computing I			1
QTM	151	Intro to Statistical Computing II			1
QTM	220	Regression Analysis*			4

* MATH 362 is a co-requisite for QTM 220

MATH Courses

Course number & title			Semester & Year	Grade	Credits
MATH	111	Calculus I			3
MATH	112	Calculus II			3
MATH	211	Multivariable Calculus			3
MATH	212	Differential Equations			3
MATH	221 or 321	Linear Algebra or Abstract Vector Spaces			
MATH	250	Foundations of Mathematics			3
MATH	315	Numerical Analysis			4
MATH	361	Mathematical Statistics I			3
MATH	362	Mathematical Statistics II			3
CS	170	Intro to Computer Science I			4

Elective Courses
QTM electives include 300- and 400-level lecture and seminar style classes of 3+ credit hours
QTM 398R, 495A, 495B, 496R, 497R, 498R and 499R do not satisfy the QTM elective requirement
MATH electives include your choice of the following: MATH 330: Intro to Combinatorics, MATH 345: Math Modeling, MATH 346: Intro to Optimization Theory, MATH 351: Partial Differential Equations, MATH 352: PDEs in Action, MATH 411: Real Analysis I, MATH 412: Real Analysis II

Course number & title			Semester & Year	Grade	Credits
QTM					
QTM					
QTM					
MATH					
MATH					
CS / MATH*					

*CS 171 or CS / MATH course at 200+ level. The additional CS / MATH course cannot include courses already fulfilled in a previous category

Expected Graduation:
Semester & Year

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

Credits toward AMSBS:
54-59 needed to earn degree