

Applied Mathematics & Statistics Major Checklist

Name:

ID #:

Academic Advisor:

Date:

QTM Courses

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

*AMS students will complete MATH 211 & MATH 221 and and MATH 361 & MATH 362 as alternatives prerequisites for QTM 220 (standard prereqs: QTM 120 & QTM 210)

† Required for students who declare Fall 2017 and after; highly recommended for students who declared prior to Fall 2017

MATH Courses

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

Elective Courses

QTM electives include 300- and 400-level lecture and seminar style classes

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

