

# Quantitative Sciences Major Checklist: Informatics

**Name:** \_\_\_\_\_

**ID #:** \_\_\_\_\_

**Academic Advisor:** \_\_\_\_\_

**Date:** \_\_\_\_\_

## Core Courses

*Required for all QSS majors in the Informatics track declared **Fall 2022 or later***

Course number & title			Semester & Year	Grade	Credits
MATH	111 <sup>†</sup>	Calculus I		X	3
QTM	110	Introduction to Scientific Methods			3
MATH	210	Advanced Calculus for Data Sciences			4
MATH	221 <sup>†</sup>	Linear Algebra		X	4
QTM	150	Intro to Statistical Computing I			2
QTM	151	Intro to Statistical Computing II			2
QTM	210	Probability & Statistics			4
QTM	220	Regression Analysis			4
CS	153 <sup> </sup>	Computing for Bioinformatics			3
CS	170	Intro to Computer Science I			4
CS	171	Intro to Computer Science II			3
CS	224 <sup>‡</sup>	Foundations of Computer Science			3
CS	253 <sup>§</sup>	Data Structures & Algorithms			3
CS	370	Computer Science Practicum			3
CS	377	Database Systems			3
CS	325 <sup>*</sup>	Artificial Intelligence			3

<sup>†</sup> MATH 111 and MATH 221 are prerequisites to the QSS major and do not count towards major GPA

<sup>|</sup> CS 153 is no longer offered; any CS elective of 300+ level that is not used for another category may be used to satisfy this requirement

<sup>‡</sup> CS 224 previously titled Discrete Structures, effective Fall 2019

<sup>§</sup> Previously CS 323, effective Fall 2019

<sup>\*</sup> Previously CS 425, effective Fall 2019

## 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 are not considered upper-level electives*

Course number & title			Semester & Year	Grade	Credits
QTM					
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*