

James Madison University Advising Guide

BRCC Associate of Arts and Sciences Degree, College/University Transfer and JMU Advising Guide for a major in Quantitative Finance.

First Year

First Semester

Course #	Course Description	Credits
ENG 111	College Composition I	3
HIS _____	History Elective	3
ITE _____	120, 152 or CSC 110	3
MTH 263	Calculus I (see notes)	4
SDV _____	Student Development (100 or 101)	1

Second Semester

Course #	Course Description	Credits
ENG 112	College Composition II	3
HIS _____	History Elective	3
MTH 264	Calculus II	4
CST 100 or 110	Principles of Public Speaking or Intro to Speech Communication	3
ACC 211	Principles of Accounting I	3

Second Year

Third Semester

Course #	Course Description	Credits
_____	Literature Elective	3
MTH 265	Calculus III	4
_____	Science with Laboratory Elective	4
ECO 201	Principles of Macroeconomics	3
_____	Approved Elective	1

Fourth Semester

Course #	Course Description	Credits
_____	Literature/Humanities/Fine Arts Elective	3
ECO 202	Principles of Microeconomics	3
_____	Science with Laboratory Elective	4
MTH 266	Linear Algebra	3
MTH 267	Differential Equations	3

Total Credits Required for Associate in Arts and Sciences Degree/JMU Quantitative Finance requirements - 61

Advising Notes for Quantitative Finance

- The B.S. degree with a major in quantitative finance is designed to prepare students for careers in financial engineering, structured finance, financial modeling, securitization, actuarial science, financial analysis and portfolio management. The focus of this major is on problem solving in the quantitative areas of finance with an added emphasis on the application of complex securities to a variety of financial situations.
- The quantitative finance program, which is a cross disciplinary major with many courses co-listed with the math department, is a highly structured program requiring minor fields in both mathematics and economics. Many students choose to double major in math and quantitative finance.
- If you don't place directly into MTH 263, you will need to take either MTH 167 or both MTH 161 and 162 first.