

FINANCIAL ANALYTICS (MS)

Program Length: 12 - 24 Months

Program Director: William Hippler

Mission

The MSFA degree provides students with a broad understanding of the functional areas of finance and the analytical techniques used in the finance industry. Successful graduates will attain the quantitative and qualitative skills necessary for a successful career in the finance industry.

Learning Goals

Successful graduates of the MSFA program will demonstrate:

1. An understanding of the interrelationships between the theoretical and functional areas of finance
2. The ability to analyze complex financial data and apply quantitative techniques to financial decision-making processes
3. The ability to effectively communicate economic and financial information to stakeholders
4. A commitment to ethical and socially responsible behavior in financial markets

Degree Requirements

The MSFA program consists of 8 core courses and 2 elective courses for a total of 30 semester hours for qualified students. Enrolled students will also take a no-credit introductory, online module covering financial mathematics. Students without the waivable pre-requisite courses and/or sufficient English language skills may be required to enroll in up to an additional 12 semester hours of waivable pre-requisite courses.

Waivable Prerequisite Courses

0-12 semester hours

Code	Title	Semester Hours
BUS 600A	Accounting & Finance	3
BUS 600B	Economics	3
BUS 600C	Statistics	3
BUS 500J	Business Communications	3
Total Semester Hours		12

Total Program: 30 semester hours

Core Courses

24 semester hours

Code	Title	Semester Hours
FIN 500	Mathematics for Economics and Finance	0
BUS 525	Economics of the Firm	3
BUS 530	Financial Management	3
FIN 541	Financial Statement Analysis	3
BUS 531	Investment and Portfolio Analysis	3

FIN 542	Security Analysis and Valuation	3
FIN 532	Derivatives	3
FIN 570	Econometrics in Finance	3
FIN 543	Financial Analytics	3
Total Semester Hours		24

Elective Courses - choose 2

6 semester hours

Code	Title	Semester Hours
FIN 544	Risk Management	3
BUS 532	Management of Financial Institutions	3
BUS 536	International Financial Management	3

*Online module to be completed within the first 2 weeks of beginning the program

Master of Science in Financial Analytics 4+1 Program

The 4+1 MS Financial Analytics program will help undergraduate students obtain a broad understanding of the functional areas of finance and the analytical techniques used in the finance industry. During the senior year as an undergraduate student, approved 4+1 MS Financial Analytics students majoring in accounting, business administration, or economics will begin taking graduate MS Financial Analytics courses which will count toward both degrees, thereby providing an accelerated path to completion.

Minimum Requirements to Apply to Participate in the 4+1 MS Financial Analytics Program:

- Must be a current undergraduate student majoring in accounting, business administration, or economics with a 2.5 GPA.
- Must earn grades of C or better in each of the following courses:
- ACCT 203 Financial and Managerial Accounting or ACCT 201 Fundamentals of Accounting I & ACCT 202 Fundamentals of Accounting II
- BUS 270 Statistics or MGMT 388 Statistics
- BUS 330 Business Finance
- ECON 228 Economic Theories & Issues or ECON 220 Economic Analysis I & ECON 221 Economic Analysis II
- Students must complete a minimum of 88 semester hours.
- Students must complete the Application for Graduation process for the bachelor's undergraduate degree prior to applying for the 4+1 MS Financial Analytics.

How to Prepare to Meet Requirements to Apply to be a 4+1 Student:

- Students can meet with their Academic Advisor as early as the first semester to review undergraduate and graduate degree curriculum and the 4+1 MS Financial Analytics pathway requirements.
- Students interested in this program need to work closely with their Academic Advisor to develop a specific educational plan and must meet with their Academic Advisor each semester.

Requirements of Approved 4+1 Program Students:

- No undergraduate courses may be used to satisfy MS Financial Analytics graduate level courses.
- Students may take remaining GE and major requirements concurrently as a 4+1 student.
- Students must retain a 2.5 GPA overall and in the major.
- Students must maintain a 3.0 GPA in MS Financial Analytics courses.
- A maximum of 15 semester hours of MS Financial Analytics courses may be taken.
- Approved 4+1 students must complete FIN 500 for 0 units within the first 2 weeks of their first session.
- MS Financial Analytics 4+1 course options may include up to 5 of the below:

FIN 425 Economics of the Firm can be used to satisfy bachelor's degree applicable elective credit

MBA 430 Financial Management can be used to satisfy BUS 331 Managerial Finance

FIN 431 Invest & Portfolio Analysis can be used to satisfy BUS 431 Investments: Security Anal & Portfolio Mgmt

FIN 432 Management of Financial Institutions can be used to satisfy BUS 432 Financial Institutions

FIN 436 International Financial Management can be used to satisfy BUS 436 International Finance

FIN 441 Financial Statement Analysis can be used to satisfy bachelor's degree applicable elective units

- Tuition costs during the period of enrollment as a 4+1 undergraduate student will correspond with undergraduate rates and undergraduate financial aid eligibility rules.
- Once registered in all degree requirements for the bachelor's degree, the 4+1 student cannot register for additional graduate courses until after the bachelor's degree is posted (conferred) and the student's record is leveled up to a graduate student in the MS Financial Analytics degree.
- Once record changes from an undergraduate to graduate student, graduate tuition rates and graduate financial aid rules will be applicable and student must follow the current catalog year.