

# FINANCE (M.S., ON CAMPUS AND ONLINE)

## Requirements

The degree requires 30 credits, which cover the core financial knowledge and skills required for computational finance, asset management, corporate finance, and risk management.

Courses for full-time, on-campus students start in the fall and go through three semesters. On-campus students take core courses in the fall, and specialization courses are taken in the spring. On-campus students can choose to complete the last semester of electives either in the summer or the following fall, to accommodate an internship.

Courses for online students start in the fall, spring, and summer semesters. Several core courses are taken first, followed by elective courses. A three-day on-campus residency (GFGB 7000) is also required for online students.

## Prerequisites

We'll take a look at your background and decide if you would benefit from some foundational coursework before pursuing the M.S.F. Some students may be asked to take the courses below prior to the start of the program. Students whose examination results do not meet the minimum standards will be required to take foundation course(s) first and postpone relevant core courses.

- GFGB 6002 Basics of Finance (1 credit)
- GFGB 6003 Basics of Economics (1 credit)
- GFGB 8005 Business Communication for Finance- A and GFGB 8006 Business Communication for Finance - B (1 credit total, on-campus students only)
- GFGB 6011 Basics of Accounting (1 credit)
- GFGB 6012 Basics of Statistics (1 credit)

Depending on a student's background, this foundational coursework may add up to 5 credits (for on-campus students) or up to 4 credits (for online students) to the 30 credits required for the degree, but these courses add significant value.

## Curriculum

Course	Title	Credits
<b>Required Courses</b>		
GFGB 6006	Corporate Finance Applications	3
GFGB 6007	Investment Applications	3
<i>One of the following two options</i>		3
For on-campus students:		
GFGB 601A & GFGB 601B	Financial Markets and Responsibility A and Financial Markets and Responsibility-B	
For online and collaborative students:		
GFGB 6010	Financial Markets and Responsibility	
GFGB 7039	Computational Finance	3
<b>Electives</b> <sup>1</sup>		<b>18</b>
<b>Total Credits</b>		<b>30</b>

<sup>1</sup> Electives include any course with the subject code GFGB. All residential students take a finance waiver exam at the start of the academic year to assess their proficiency in finance. Depending on exam performance, students may be required to take GFGB 601F Finance Primer as part of their elective requirement.

Online M.S.F. students should register for GFGB 7000, a zero-credit course, in the semester of their residency.

For on-campus students, in addition to electives with the subject code GFGB, up to two of the following non-finance courses can be taken to fulfill M.S.F. electives, with approval from the Faculty Program Director and/or Assistant Dean. Students may also propose other electives for possible approval as one of the two non GFGB classes.

Course	Title	Credits
ACGB 6111	Fundamentals of Accounting I	3
ACGB 7125	Financial Statement Analysis	3
ACGB 7136	International Accounting	3
CMGB 75AJ	Financial Media	3
ISGB 6910	Business Tech & Analytics	3
ISGB 7967	Data Mining for Business	3
ISGB 7973	Database Management	3
ISGB 7978	Web Analytics	3
ISGB 7980	Bus Modeling w/Adv Sprdsheets	3
ISGB 7988	Business Performance and Risk Management	3
ISGB 7990	Big Data Analytics	3
ISGB 7943	Programming with Python	3
ISGB 79AA	Advanced Python for Financial Programming	3
MIGB 779H	Marketing Decision Models	3
MIGB 8701	Marketing Analytics	1.5
MIGB 8709	Digital Marketing Analytics	1.5
MKGB 779I	Data-Driven Marketing Decisions	3
SDGB 7844	Stat Methods and Comp I	3