

Master of Science in Finance Financial Risk Management Track, 2024-25

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CORE CURRICULUM (24 credits total)

Required courses (21 credits)

Course Number	Course Title	Credits	Fall Start	Spring Start
MGF 633	Investment Management	3	Fall 1	Spring 1
MGF 635	Financial Derivatives	3	Fall 2	Spring 2
MGF 638	Fixed Income Securities	3	Spring	Spring 1
MGF 641	Financial Policies and Strategies	3	Spring	Spring 1
MGF 661	Management of Financial Institutions	3	Fall 1	Fall
MGF 685	International Finance Management	3	Fall 1	Fall
MGF 696	Portfolio Theory and Strategy	3	Fall 2	Fall

Capstone: Choose 1 below (3 credits)

Course Number	Course Title	Credits	Fall Start	Spring Start
MGF 644	Supervised Research – Fixed Income	3	Fall 2	Fall
MGF 645	Supervised Research – Equities	3	Spring	Spring 2

ELECTIVES (12 credits total) At least two electives must be STEM designated.

STEM Electives: Choose at least 2 courses below (6+ credits)

Availability varies by semester. [Refer to catalog.](#)

Course Number	Course Title	Credits
MGF 634	Quantitative Methods in Finance	3
MGF 636	Complex Financial Instruments	3
MGF 637	Financial Modeling	3
MGF 675	Multinational Banking and Finance	3
MGF 687	Financial Technology (FinTech) Lab	3

Non-STEM Electives: Choose remaining courses below (0-6 credits)

Availability varies by semester. [Refer to catalog.](#)

Course Number	Course Title	Credits
MGA 632	Financial Statement Analysis	3
MGA 637	Business Valuation for Accountants	3
MGE 602	Global Economics	3
MGF 648	Finance Practicum (Internship)	3
MGF 650	Comprehensive Financial Analysis	3
MGF 651	Experiential Projects in Finance	3
MGF 657	Financial Innovation (Second year option)	3
MGG 611	Global Programs (One 3-credit course OR two 1.5-credit courses)	3

SUMMARY - 24 core credits + 12 elective credits (including at least 6 STEM credits) = 36 credits required for degree

Master of Science in Finance Financial Risk Management/Fintech Track, 2024-25

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MGF 645	Supervised Research – Equities	3	Spring	Spring 2

FINTECH ELECTIVES (12 credits total)

Required Fintech electives (6 credits)

Availability varies by semester. [Refer to catalog.](#)

Course Number	Course Title	Credits
MGS 613	Database Management Systems	3
MGS 614	Systems Analysis and Design	3

Choose 2 additional Fintech electives below (6 credits)

Availability varies by semester. [Refer to catalog.](#)

Course Number	Course Title	Credits
MGF 687	Financial Technology (Fintech) Lab	3
MGS 602	Information Technology and Cloud Infrastructure Management	3
MGS 616	Predictive Analysis	3
MGS 625	Management of IT Projects	3
MGS 628	Data Visualization	3
MGS 635	Digital Product Management	3
MGS 639	Cybersecurity, Privacy and Ethics	3
MGS 642	IS Auditing for IT Managers	3
MGS 650	Information Assurance	3
MGS 655	Distributed Computing and Big Data Technologies	3
MGS 662	Optimization Methods for Machine Learning	3

SUMMARY - 24 core credits + 12 fintech elective credits = 36 credits required for degree

Master of Science in Finance Quantitative Finance Track, 2024-25

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ELECTIVES (12 credits total)

Choose 4 courses below

Availability varies by semester. [Refer to catalog.](#)

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MGA 637	Business Valuation for Accountants	3
MGE 602	Global Economics	3
MGF 641	Financial Policies and Strategies	3
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Master of Science in Finance Quantitative Finance/Fintech Track, 2024-25

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