FINANCIAL TECHNOLOGY, M.S.

The Master of Science in Financial Technology program will prepare students with skills needed to work in the financial technology industry. The program is designed to cater to the burgeoning need for financial technology professions. Students' learning experiences will be grounded in real world contexts.

ADMISSION REQUIREMENTS

- Bachelor's degree from a nationally accredited undergraduate program.
- Recommended minimum GPA 3.0.
- Two letters of recommendation
- A personal Statement of Purpose (1000 to 2000 words), which should describe the applicant's reasons for applying to the program and ways in which his or her experience, skills, and goals are aligned with the program.
- A current resume that outlines the applicant's educational background, employment history, professional activities, and other activities.
- International students are required to take the Test of English as a Foreign Language (TOEFL) and submit an Educational Credential Evaluators (ECE), or World Education Services (WES) evaluation of international transcripts. The TOEFL requirements can be found at http://www.njcu.edu/admissions/how-apply/english-proficiency-requirements (http://www.njcu.edu/admissions/how-apply/english-proficiency-requirements/).

PREREQUISITE REQUIREMENTS

The 30-credit course of study assumes an undergraduate degree and/or work experience in business, technology, or related disciplines. Depending on background and focus, students may be required to take the following prerequisites:

- BUSI 599 Graduate Business Essentials (9 credits)

Similar graduate courses from other institutions may be accepted with approval of the program coordinator.

Code	Title	Credits
Core Courses:		**21**
FINC 507	Corporate Financial Management	3
FINC 514	Introduction to Business Analytics and Data Science	3
FINC 530	Machine Learning for Business I	3
FINC 531	Current Topics in Financial Technology	3
FINC 673	Investment Planning and Portfolio Analysis	3
FINC 632	Designing and Developing Financial Software	3
FINC 774	Analysis of Derivatives and Alternative Investments	3
Capstone Course:		**3**
FINC 785	Capstone in Financial Technology	3
Required Electives (Select two (2) for a total of 6 credits):		**6**
Elective Course: Advisor Permission		3
Elective Course: Advisor Permission		3
Total Credits:		**30**

Student Learning Outcomes

Upon completion of the Master of Science in Financial Technology program, students will be able to:

1. Identify ethical issues and understand the implications of social responsibility for sustainable business practices.
2. Evaluate information and apply critical thinking skills to identify solutions and inform business decisions.
3. Utilize technology, apply quantitative methods and interpret data to solve business problems.
4. Integrate knowledge of core business concepts and collaborate productively as part of a team.
5. Work effectively in a diverse environment and understand how global and cultural issues effect the organization and its stakeholders.
6. Compose clear and concise forms of written communication to effectively convey ideas and information associated with business topics.
7. Communicate business concepts effectively through oral presentation.
8. Demonstrate broad knowledge of financial markets, investments, and corporate finance.
9. Apply statistical and machine learning techniques to build financial models.
10. Demonstrate knowledge of cutting edge financial technology innovations.
11. Demonstrate understanding of design and development of different types of financial systems.