

Curriculum

COURSE CODE	COURSE TITLE
FNT501	Digital Banking and Financial Services
FNT502	Regulatory Frameworks for Fintech (Online)
FNT503	Data Analytics in Finance
FNT504	Blockchain and Cryptocurrency
FNT505	Artificial Intelligence in Finance
FNT506	Risk Management in Fintech (online)
FNT507	E-commerce and Payment Systems
FNT508	Financial Modeling and Valuation
FNT509	Cybersecurity in Financial Services
FNT599	Thesis Research in FinTech



MASTER OF SCIENCE IN FINANCIAL TECHNOLOGY

Program Overview

The Master of Science in Financial Technology has been designed to provide graduates with the knowledge and skills required to excel in all areas of technology-driven financial services. The program introduces students to digital banking and financial services and the regulatory frameworks required to operate in this exciting sector. Students progress to develop an understanding of blockchain, cryptocurrency, artificial intelligence, and financial modeling. Risk, valuation, and cyber security are also explored. A structured data analytics course prepares students to engage in a research thesis in Fintech, which allows students to gain a comprehensive understanding of the depth of the financial technology sector while developing an awareness of the practical implications of Fintech initiatives.

Financial Technology (Fintech) graduates will be able to:

1. Demonstrate a comprehensive understanding of digital banking and financial services, including the ability to analyze and evaluate emerging trends and technologies in the FinTech landscape.
2. Apply principles of blockchain and cryptocurrency to develop innovative financial solutions, assessing their potential impact on the financial services industry.
3. Utilize data analytics techniques to extract insights from financial data, empowering informed decision-making and strategic planning in FinTech applications.
4. Analyze and mitigate risks associated with financial technologies, understanding the regulatory frameworks and compliance requirements essential for effective risk management in the industry.
5. Design artificial intelligence solutions tailored to the financial sector, to enhance financial services operations.
6. Evaluate e-commerce and payment systems, including evaluating different technologies and methodologies to optimize user experiences and operational efficiency in financial transactions.
7. Conduct original research through the thesis project that addresses a real-world problem in the FinTech industry, showcasing the ability to integrate theoretical knowledge with practical application and contribute to the advancement of financial technology solutions.

Career Prospects

Career opportunities for graduates of the Master of Financial Technology include:

- Banks and investment firms
- Big Tech firms, such as, Amazon, Apple and Google
- Consulting firms
- Blockchain and crypto currency firms
- RegTech and InsurTech companies
- Fintech startups

Approach to teaching

Emphasizing hands-on experience and real-world applications, the program fosters the ability to design and implement innovative FinTech solutions that address complex challenges in global financial markets. Graduates will emerge as innovators, ready to drive financial inclusion, improve operational efficiency, and shape the future of finance through technology and entrepreneurial expertise

