Financial Technology (FNT) - Graduate Courses

Courses

FNT 700 Cr.3
FinTech Essentials
This course covers the FinTech ecosystem and its technology-assisted processes including core banking systems, Automated Clearing House (ACH) processing, payment systems, Interactive Teller Machines (ITMs), money movement apps, Billpay systems, and credit card networks. Students analyze financial statements, capital budgeting techniques, and liquidity metrics, and perform cash flow, profitability, valuation analysis. Prerequisite: admission to graduate FinTech Program. Offered Annually.

FNT 705 Cr.3
FinTech Analytics
This course covers financial data technologies, financial data visualization, and developing financial analytics applications using current analytics software tools. Prerequisite: admission to graduate FinTech Program. Offered Annually.

FNT 710 Cr.3
Managing FinTech Innovation
Develop competencies required to cultivate an innovative organizational culture in the financial services industry. Learn how to develop, evaluate, and manage a strategic technology plan. Explore FinTech project management topics, life cycle models, development processes, business analysis, risk analysis, vendor selection and cybersecurity. Prerequisite: admission to graduate FinTech Program. Offered Annually.

FNT 730 Cr.3
Technologies in FinTech
Students will learn how cloud computing, artificial intelligence, machine learning and other technologies are used in a financial services context. Additional topics such as API design, robotic process automation, risk analysis, and cybersecurity will also be discussed. Prerequisite: admission to graduate FinTech Program. Offered Annually.

FNT 735 Cr.3
Blockchain Technologies
This course covers Bitcoin, Ethereum and other blockchain technologies, cryptocurrencies vs blockchain, smart contracts, dApps, DeFi applications, crypto wallets, blockchain test nets & transactions, regulatory landscape, crypto trading and implications on accounting. Prerequisite: admission to graduate FinTech Program. Offered Annually.

FNT 740 Cr.3
Artificial Intelligence and Machine Learning in FinTech
Students will learn artificial intelligence and machine learning strategies and how they can be used to build more efficient financial services. AI/ML techniques include decision trees, kNN, Random Forests, SVM for applications such as credit evaluation, fraud detection, loan underwriting, algorithmic trading, and chatbots. Prerequisite: admission to graduate FinTech Program. Offered Annually.