

FINANCIAL TECHNOLOGY (FNT)

FNT 700 | FinTech Essentials | 3 cr

Covers the FinTech ecosystem and its technology-assisted processes including core banking systems, ACH processing, payment systems, Interactive Teller Machines, money movement apps, bill pay systems, and credit card networks. Addresses financial statements, cash flow analysis, capital budgeting techniques, liquidity metrics, profitability and valuation analysis.

Prerequisites: Admission to the graduate certificate in Leading FinTech Transformation.

Offered: Fall, Spring, Summer.

FNT 705 | FinTech Analytics | 3 cr

Covers financial data technologies, financial data visualization, and developing financial analytics applications using current analytics software tools.

Prerequisites: Admission to the graduate certificate in Leading FinTech Transformation.

Offered: Fall, Spring, Summer.

FNT 710 | Managing FinTech Innovation | 3 cr

Examines how to cultivate an innovative organizational culture in the financial services industry. Explores FinTech project management topics, life cycle models, development processes, business analysis, risk analysis, vendor selection, and cybersecurity.

Prerequisites: Admission to the graduate certificate in Leading FinTech Transformation.

Offered: Fall, Spring, Summer.

FNT 730 | Technologies in FinTech | 3 cr

Explores how financial services use cloud computing, artificial intelligence, machine learning, and other technologies. Includes additional topics such as API design, robotic process automation, risk analysis, and cybersecurity.

Prerequisites: Admission to the graduate certificate in Emerging Technologies in FinTech.

Offered: Fall, Spring, Summer.

FNT 735 | Blockchain Technologies | 3 cr

Covers blockchain technologies such as those used in Bitcoin and Ethereum, cryptocurrencies vs blockchain, smart contracts, Decentralized Applications (dApps), Decentralized Finance (DeFi) applications, cryptocurrency wallets, blockchain test networks and transactions, regulatory landscape, cryptocurrency trading, and implications for accounting.

Prerequisites: Admission to the graduate certificate in Emerging Technologies in FinTech.

Offered: Fall, Spring, Summer.

FNT 740 | Artificial Intelligence and Machine Learning in FinTech | 3 cr

Explores artificial intelligence and machine learning strategies and how they can contribute to building more efficient financial services. Covers AI/ML techniques including decision trees, kNN, Random Forests, and SVM for applications such as credit evaluation, fraud detection, loan underwriting, algorithmic trading, and chatbots.

Prerequisites: Admission to the graduate certificate in Emerging Technologies in FinTech.

Offered: Fall, Spring, Summer.