

# FINANCE AND TECHNOLOGY MAJOR

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The FinTech major is intended for students interested in learning about the application of technology to solve financial problems and studying the positive impact of these applications in society. Students in this major will develop a foundation in financial markets and institutions, data structures and queries, and the use of programming languages.

The major requires students to take 4 CS courses providing a foundation in database and programming techniques, 3 FI courses providing a foundation in financial concepts, 2 FI courses providing the link between technology, financial services, and social innovation and 1 interdisciplinary course on the application of natural language processing to discover investment opportunities. Through the lens of the financial services sector, students will learn how the interplay between finance and technology creates efficiencies and social innovations across different geographic regions in the world.

Course	Title	Credits
<b>Major Requirements</b>		
CS 150	Introduction to Data and Information Management	3
or CS 160	Data-Driven Decision Making	
CS 230	Introduction to Programming with Python	3
CS 350	Database Management Systems	3
CS 370	Introduction to Machine Learning	3
EC 112	Principles of Macroeconomics	3
FI 305	Principles of Accounting and Finance	3
FI 306	Financial Markets and Investment	3
FI 325	Operations of Financial Institutions	3
FT 323	Introduction to FinTech	3
FT 324	Blockchain Applications and Decentralized Finance	3
FT 370	Investment Applications of Natural Language Processing	4
<b>Total Credits</b>		<b>34</b>