

This concentration is designed for students who are interested in learning about new applications of technology in financial services, under the general heading of fintech (financial technology). In addition to mastering the foundations of finance, students in this concentration have an opportunity to learn how to leverage technology to create and improve financial services. The concentration provides both a broad and in-depth view of various fintech topics (e.g., big data, machine learning, peer-to-peer lending, blockchain, digital currencies, algorithmic trading) and allows students to develop programming skills in R and Python. These tools and knowledge are especially valued by banks, consulting firms, financial technology, and investment firms.

## Concentration Requirements

### Concentration in Fintech

Only one course may be double counted with another concentration. In addition, only one course outside of Finance may be applied to the concentration.

Code	Title	Hours
<b>Required Courses</b>		
FINA 3303	Investments	4
or FINA 3301	Corporate Finance	
Choose one option below:		4-5
CS 2000 and CS 2001	Introduction to Program Design and Implementation and Lab for CS 2000	
CS 2100 and CS 2101	Program Design and Implementation 1 and Lab for CS 2100	
DS 2500 and DS 2501	Intermediate Programming with Data and Lab for DS 2500	
EECE 2560	Fundamentals of Engineering Algorithms	
FINA 4335	Computational Methods and Their Applications in Finance	
<b>Electives</b>		
Complete two of the following:		8
CS 4520	Mobile Application Development	
FINA 2730	Fintech and Financial Innovation	
FINA 4340	Blockchain Applications in Finance	
FINA 4350	Applied Financial Econometrics and Data Modeling	
FINA 4390	Machine Learning in Finance	
FINA 4460	Algorithmic and Robo-Trading	
FINA 4605	Fintech Experiential Project	