

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 |
|--------------------------------|---|-------|
| Required Courses | | |
| FINA 3303 or FINA 3301 | Investments Corporate Finance | 4 |
| Choose one option below: | | 4 |
| DS 2000 and DS 2001 | Programming with Data and Data Science Programming Practicum | |
| FINA 4335 | Computational Methods and Their Applications in Finance | |
| Electives | | |
| 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 | |