

# FINANCE (FIN)

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## Courses

### **FIN 501. Programming in Finance. 3 Credit Hours.**

This course serves as an introduction to many aspects of Python programming, specifically as it applies to financial applications. Topics include data management, matrix operation, optimization, simulation, linear regression, portfolio management, time-series analysis, and textual analysis. Students will become familiar with and use Python to analyze and manipulate data and accomplish tasks with various financial topics. Prerequisites: Students need to have a basic understanding of time value of money calculation, valuation of financial assets, and portfolio theory. Corequisites: MBA 524

Session Cycle: Every Spring Semester.

### **FIN 502. Fintech and Blockchain for Finance. 3 Credit Hours.**

New technological innovations are fundamentally transforming the financial industry. This course introduces students to the different ways in which new technologies have led to material changes in business models, products, and customer user interface. The course will explore the application of AI, deep learning, and open APIs in various sectors of finance like payments, credits, trading and risk management. The course will then shift focus towards cutting-edge topics including blockchain, cryptofinance and smart contracts, mobile payments, and applications of blockchains. Along the way the course will focus on the market regulations, security compliance and changes in law needed in this rapidly changing business environment.

Prerequisites: MBA 524

Session Cycle: Every Spring.

### **FIN 503. Fintech and Digital Innovation Fund. 3 Credit Hours.**

This course will focus on two main components to provide students with a deeper understanding of Fintech, Blockchain, and the investment world. The first component will explore the impact of Fintech on different parts of the financial market through the analysis of various case studies. The case studies will cover topics such as Payment, Credit and Lending, Trading, Risk management, Insurtech. In the second component, students will also act as fintech security analysts and manage a portfolio of fintech firms funded by Bryant Alumni in the industry.

Prerequisites: FIN 502

Session Cycle: Every Summer.

### **FIN 691. Directed Independent Study in Finance. 3 Credit Hours.**

This course is designed to allow an individual academic program to be tailored to fit the unique interests of a graduate student. At the initiation of the graduate student, the faculty member and the student will develop an academic plan that is submitted to the College of Business for final approval.