COURSES

UNDERGRADUATE COURSES

405: Mathematical Methods for Quantitative Finance ▲
410: Probability & Statistics for Computational Finance ▲
415: Introduction to Financial Markets ▲
420: Introduction to Computational Finance & Financial Econometrics ▲
425: R Programming for Quantitative Finance

GRADUATE COURSES

500: Special Studies in Computational Finance
501: Investment Science * ■
502: Financial Data Science * ■
503: Asset Allocation & Portfolio Management * ■
504: Options & Other Derivatives *
505: Monte Carlo Methods in Finance *
506: Financial Data Access with SQL, VBA, & Excel **
507: Optimization Methods in Finance **
509: Ethics in the Finance Profession *
520: Financial Software Development & Integration with C++
521: Machine Learning for Finance
522: Introduction to Trading Systems
523: Advanced Trading Systems
524: Advanced C++ for Finance
525: FinTech, Blockchains, & Cryptocurrencies
530: Fixed Income Analytics
531: Portfolio Performance Analysis & Benchmarking
532: Endowment & Institutional Investment Management
540: Risk in Financial Institutions
541: Quantitative Risk Management
542: Credit Risk Management
550: Stochastic Calculus for Quantitative Finance
580: Energy Markets Analytics & Derivatives
586: Financial Time Series Forecasting Methods
590: Special Topics
600: Independent Study
601: Internship/Curricular Practical Training
700: Master's Thesis

* **Required for Master of Science, Computational Finance and Risk Management (MS-CFRM)**
■ **Required for Computational Finance Certificate**
▲ **Required for Quantitative Fundamentals Certificate**
** **One of these courses is required for MS-CFRM**

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& Risk Management

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