DBA Finance Elective Courses (33 credits required)

Among the 33 credits of electives, there are 10.5 credits of existing master-level finance courses that must be taken if the student has not already taken that course (or an equivalent course) at Olin or elsewhere. Those courses are:

- FIN 534: Advanced Corporate Finance I – Valuation (1.5 credits)
- FIN 534B: Advanced Corporate Finance II – Financing (1.5 credits)
- FIN 532: Investment Theory (1.5 credits)
- FIN 524: Options & Futures (1.5 credits)
- FIN 525: Fixed Income Securities (1.5 credits)
- FIN 538: Stochastic Foundations for Finance (1.5 credits)
- FIN 539: Mathematical Finance (1.5 credits)

The remaining elective credits can be satisfied by taking any of the below existing courses from various graduate programs:

Olin MS in Finance Courses
- FIN 534C: ACF III –: Corporate Financial Strategy (1.5 credits)
- FIN 524B: Derivative Securities (1.5 credits)
- FIN 537: Advanced Derivative Securities (3 credits)
- FIN 500Q: Quantitative Risk Management (3 credits)
- FIN 552: Fixed Income Derivatives (1.5 credits)
- FIN 532B: Data Analysis for Investments (1.5 credits)
- FIN 500W: Venture Capital Methods (1.5 credits)
- FIN 500X: Venture Capital Practice (1.5 credits)
- FIN 500Y: Private Equity Methods (1.5 credits)
- FIN 500Z: Private Equity Practice (1.5 credits)
- FIN 550D: Hedge Fund Strategies (1.5 credits)
- FIN 550G: Seminar in Financial Technology (3 credits)
- FIN 523B: Mergers & Acquisitions (1.5 credits)
- FIN 500R: Topics in Quantitative Finance (1.5 credits)
- FIN 530: International Finance (1.5 credits)
- FIN 536: Financial Issues in Leasing (1.5 credits)
- FIN 533: Valuing Strategic Corporate Investments (1.5 credits)
- FIN 550E: Behavioral Finance (1.5 credits)
- FIN 557E: Introduction to Blockchain and Cryptocurrencies (1.5 credits)
- FIN 558E: ESG Investing (1.5 credits)
- FIN 549H: Real Estate Finance (1.5 credits)
- FIN 555: Risk Management and Insurance (1.5 credits)
- FIN 560A: Research Methods in Finance (3 credits)
- FIN 501P: CFAR Practicum (3 credits)
- FIN 528: Investment Praxis (3 credits)

Olin PhD-level Courses
- MEC 625: Industrial Organization I (3 credits)
- MEC 626: Industrial Organization II (3 credits)
- MEC 661: Analysis of Time Series Data (3 credits)
- MEC 670: Seminar in Econometrics and Statistics (3 credits)
- MGT 620: Empirical Methods in Business (3 credits)
- MKT 675: Empirical Methods in Structural Modeling (1.5 credits)
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Olin MS in Business Analytics Courses
- DAT 560G: Database Design and SQL (1.5 credits)
- DAT 560M: Big Data and Cloud Computing (1.5 credits)
- DAT 560E: Data Visualization for Business Insights (1.5 credits)
- DAT 570E: R and Statistics (1.5 credits)
- DAT 561: Introduction to Python and Data Science (3 credits)
- DAT 560N: Introduction to Cybersecurity (1.5 credits)
- DAT 551: Strategic Decision Making with Data Analytics (3 credits)
- DAT 5402: Data Analytics for Business Leaders (3 credits)
- DAT 500W: A/B Testing in Business and Social Science (3 credits)
- DAT 537: Data Analysis, Forecasting & Risk Analysis (3 credits)
- DAT 500S: Machine Learning Tools for Prediction of Bus. Outcomes (3 cr)
- DAT 565E: Deep Learning for Prediction of Bus. Outcomes (1.5 credits)
- DAT 562: Text Mining (1.5 credits)
- DAT 572E: Business Forecasting (3 credits)
- DAT 500N: Prescriptive Analytics (1.5 credits)
- DAT 566E: Deep Reinforcement Learning with Applications in Bus.(1.5 cr)

Economics Courses
- ECON 511: Quantitative Methods in Economics I (3 Credits)
- ECON 512: Quantitative Methods in Economics II (3 Credits)
- ECON 5141: Advanced Microeconometrics (3 Credits)
- ECON 5160: Topics in Econometrics: Microeconometrics (3 Credits)
- ECON 5161: Applied Econometrics (3 credits)
- ECON 501: Macroeconomics I (3 Credits)
- ECON 502: Macroeconomics II (3 Credits)
- ECON 5175: Structural Microeconometrics (3 Credits)

Electrical Engineering and Computer Science Courses
- +CSE 417T: Introduction to Machine Learning (3 credits)
- CSE 517A: Machine Learning (3 credits)
- ESE 513: Large Scale Optimization for Data Science (3 credits)
- +CSE 501N: Introduction to Computer Science (3 credits)
- CSE 541T: Advanced Algorithms (3 credits)
- +CSE 412A: Introduction to Artificial Intelligence (3 credits)
- CSE 515T: Bayesian Methods in Machine Learning (3 credits)

- CSE 514A: Data Mining (3 credits)
- CSE 511A: Introduction to AI (3 credits)
- +CSE 502N: Data Structures & Algorithms (3 credits)

Courses marked with + are the most popular and recommended courses.

Statistics and Data Science Courses
- SDS 5071-72: Advanced Linear Models I / II
- SDS 5110: Experimental Design (3 credits)
- SDS 5120: Survival Analysis (3 credits)
- SDS 5430: Multivariate Statistical Analysis (3 credits)
- SDS 5155: Time Series Analysis (3 credits)
- SDS 5440: Mathematical Foundations of Big Data (3 credits)
- SDS 5170: Stochastic Processes (3 credits)
- SDS 5061-62: Theory of Statistics I / II (3 credits)
- SDS 551: Advanced Probability I (3 credits)
- SDS 552: -Advanced Probability II (3 credits)
- SDS 553: Topics in Advanced Probability (3 credits)
- SDS 558: Applications of Deep Neural Networks (3 credits)