

List of Approved McDonough MBA Elective and Required Core Courses with Management Science Content

A selection of elective courses from across the school's academic areas to extend and deepen understanding of (1) analytical and quantitative techniques, tools, and models, (2) their application to the analysis of business organization and performance, and (3) new and emerging technologies.

MBA students must complete 12 credits from the elective course list below. Not all courses on this list are currently being offered. Dual degree students, and students who have taken courses on a different timeline than their original MBA class, should consult their program advisor for their specific Management Science credit requirements.

<p>Accounting Area</p> <ul style="list-style-type: none"> ACCT 575/6575 Bus Processes & Enterprise Tech <p>Finance Area</p> <ul style="list-style-type: none"> FINC 553/6553 Investment Analysis FINC 556/6556 Derivatives and Financial Markets FINC 558/6560 Real Estate Private Equity FINC 559/6559 Fixed Income Securities FINC 567/6561 Real Estate Public Debt FINC 568/6562 Real Estate Private Debt FINC 569/6563 Real Estate Public Equity FINC 576/6576 Entrepreneurial Fin & Venture Capital (also EMBA 6834) FINC 579/6531 Valuation FINC 583/6583 Sustainable Investing (formerly "ESG Investing") FINC 604/6532 Financial Analysis & Modeling FINC 606/6580 The Fintech Revolution <p>Marketing Area</p> <ul style="list-style-type: none"> MARK 551/6551 Strategic Marketing Research MARK 555/6555 Applied Product Management MARK 561/6561 Cust Data Mining for Segmentation MARK 571/6571 New Product Dev & Forecasting MARK 588/6580 Customer Analytics MARK 590/6590 Customer Analytics Practicum <p>Management Area</p> <ul style="list-style-type: none"> MGMT 560/6540 Managing the Enterprise MGMT 581/6581 Consulting Methods & Methods MGMT 582/6582 Consulting Strategic Analysis 	<p>Operations and Analytics Area (formerly Operations & Information Management, OPIM)</p> <ul style="list-style-type: none"> OPAN 557/6551 Decision Support Systems OPAN 563/6557 Decision Theory: Small Data (also MSFO 836/6836 Small Data) OPAN 6559 Business Forecasting OPAN 571/6571 Environmentally Sustainable Operations & Business Models (also EMBA 571/6874) OPAN 572/6572 Business of Sustainable Energy & Tech (also EMBA 672/6851 & EMBA 6877) OPAN 573/6558 Regression Analysis OPAN 578/6552 Data Science for Business Decisions OPAN 579/6555 Analytics Advantage OPAN 654/6554 Database Development & Management OPAN 656/6556 Applied Data Visualization (also EMBA 656/6876) OPAN 662/6580 Global Supply Chain Management (also EMBA 6878) OPAN 668/6541 Internet Business Technologies EMBA 6871 Real Options MSFO 834/6834 Big Data <p>Strategy, Economics, Ethics, & Public Policy Area</p> <ul style="list-style-type: none"> STRT 591/6545 Economics of Strategic Behavior STRT 611/6535 Game Theory STRT 624/6534 Strategic Pricing <p>Intensive Learning Experience (ILE) Electives</p> <ul style="list-style-type: none"> BADM 701/6001 Infrastructure Finance (3 credits) BADM 705/6005 Understanding Mutual Funds (3 credits) BADM 714/6014 Mobile and AI Strategies, Products & Business Models (3 credits) BADM 717/6017 Core Principles of Data Visualization (3 credits) BADM 728/6028 Developing New Business Models (3 credits) BADM 733/6033 Fundamentals & Techniques of Value Investing (1.5 credits) BADM 6034 Healthcare Data and Analytics (1.5 credits) BADM 6045 Digital Marketing Analytics (1.5 credits) / BADM 745 Digital Advertising (3 credits) BADM 751/6051 AI, Analytics & Future of Work (3 credits)
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Students must also complete the following **core courses** for a total of 18 credits. If you waived any of these core courses, you must replace the credits with additional approved electives from the list above. Dual degree students, and students

who have taken courses on a different timeline than their original MBA class, should consult their program advisor for their specific Management Science credit requirements.

- ACCT 550/6500 Corporate Financial Reporting (1.5 credits)
- BADM 560/6500 Firm Analysis and Strategy (3 credits)
- FINC 550/6500 Financial Markets and Corporate Decision Making (3 credits)
- MARK 550/6500 Marketing Analysis & Cust. Strategy (3 credits)
- OPAN 550/6500 Managerial Statistics (3 credits)
- ACCT 555/6505 Financial Analysis for Managers and Investors (1.5 credits)
- OPAN 570/6510 Analytical Problem Solving (1.5 credits)
- OPAN 560/6505 Operations (1.5 credits)

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