FINANCE: DATA ANALYTICS IN FINANCE, MS

For the Degree of Master of Science: Major in Finance, Data Analytics in Finance Concentration

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department website: https://giesbusiness.illinois.edu/msf
overview of grad college admissions & requirements: https://grad.illinois.edu/admissions/apply
college website: https://giesbusiness.illinois.edu/
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The Data Analytics in Finance Concentration is designed to develop graduates who understand:

• how to apply data analytics in a variety of financial contexts including investment and policy decisions;
• critically solve business problems using data-intensive economic and financial information; and,
• synthesize and effectively communicate data-intensive information, findings, and conclusions to others, including supervisors, peers, and clients.

This concentration will not only provide a strong technical knowledge of data analytics topics, but also provide students multiple opportunities to apply this knowledge via experiential learning opportunities.

Graduate Degree Programs in Finance
Majors

Financial Engineering, MS (http://catalog.illinois.edu/graduate/bus_engineering/financial-engineering-ms) (administered by Finance and Industrial & Enterprise Systems Engineering (https://msfe.illinois.edu))
Finance, MS (http://catalog.illinois.edu/graduate/bus/finance-ms)

optional concentrations for the Finance, MS:
Accountancy (http://catalog.illinois.edu/graduate/bus/concentration/accy/accountancy), Business & Public Policy (http://catalog.illinois.edu/graduate/bus/concentration/finance/business-public-policy), Corporate Governance & International Business (http://catalog.illinois.edu/graduate/bus/concentration/badm/corporate-governance-international-business), Data Analytics in Finance (p. 1), Information Technology & Control (http://catalog.illinois.edu/graduate/bus/concentration/badm/information-technology-control)
Finance, PhD (http://catalog.illinois.edu/graduate/bus/finance-phd)

Minors

Finance (http://catalog.illinois.edu/graduate/bus/minors/finance)

Concentrations

Data Analytics in Finance (p. 1)
Finance (http://catalog.illinois.edu/graduate/bus/concentration/finance)
Business & Public Policy (http://catalog.illinois.edu/graduate/bus/concentration/finance/business-public-policy)
Real Estate (http://catalog.illinois.edu/graduate/bus/concentration/finance/real-estate)

Admission

Candidates will apply to the Department of Finance for admission into the concentration. Students wishing to be admitted to the concentration should consult with their program advisor before applying.

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For additional details and requirements refer to the department’s graduate programs (http://www.business.illinois.edu/finance/program.aspx) and the Graduate College Handbook (http://www.grad.illinois.edu/gradhandbook).

Completion of this concentration requires twelve hours of coursework, comprised of

• FIN 510: Big Data Analytics in Finance (4 credit hours)

And any two of the following graduate courses:

• FIN 552: Applied Financial Econometrics (4 credit hours)
• FIN 553: Machine Learning in Finance (4 credit hours)
• FIN 555: Financial Innovation (4 credit hours)
• FIN 567: Financial Risk Management (4 credit hours)
• FIN 580 DA: Data Analytics in Finance (4 credit hours)

Information listed in this catalog is current as of 03/2020
Finance Major Requirements:

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<th>Code</th>
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<th>Hours</th>
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<td></td>
<td>Core courses</td>
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<td></td>
<td>Graduate level finance courses</td>
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<tr>
<td></td>
<td>Elective graduate coursework</td>
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<td>Total Hours</td>
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Other Requirements

<table>
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<tbody>
<tr>
<td>Other requirements may overlap</td>
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<tr>
<td>Minimum 500-level Hours Required Overall</td>
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</tr>
<tr>
<td>Minimum GPA:</td>
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Ph.D. only option

For Ph.D. students: A Master of Science degree is available for students in the Ph.D. program. Ph.D. students may earn a masters degree as they work toward the Ph.D. degree. Students interested in a terminal masters degree are not admitted to the Ph.D. program. Options available at this University for a terminal masters degree in finance include the M.S. in Finance (terminal masters) described above, and the MBA with a track in finance as described under the section on Business Administration - MBA.

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<td>Total Hours</td>
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