DATA ANALYTICS IN FINANCE GRADUATE CONCENTRATION

For the Data Analytics in Finance Concentration

The Data Analytics in Finance Concentration is open to students enrolled in:
- Finance, MS (http://catalog.illinois.edu/graduate/bus/finance-ms/)
- Financial Engineering, MS (http://catalog.illinois.edu/graduate/bus_engineering/financial-engineering-ms/)
- Business Analytics, MS (http://catalog.illinois.edu/graduate/bus/business-analytics-ms/)

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.

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.

For the Data Analytics in Finance Concentration

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>FIN 550</td>
<td>Big Data Analytics in Finance for Predictive and Causal Analysis</td>
<td>4</td>
</tr>
<tr>
<td>FIN 552</td>
<td>Applied Financial Econometrics</td>
<td>4</td>
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<tr>
<td>FIN 537</td>
<td>Financial Risk Management</td>
<td>4</td>
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<tr>
<td>FIN 553</td>
<td>Machine Learning in Finance</td>
<td>4</td>
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<td>FIN 555</td>
<td>Financial Innovation</td>
<td>4</td>
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<tr>
<td>FIN 557</td>
<td>Financial Data Management and Analysis</td>
<td>4</td>
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<tr>
<td>FIN 580</td>
<td>Special Topics in Finance</td>
<td>4</td>
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<tr>
<td></td>
<td><strong>Total Hours</strong></td>
<td><strong>12</strong></td>
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Graduate Degree Programs in Finance

- Majors
  - Financial Engineering, MS (http://catalog.illinois.edu/graduate/bus_engineering/financial-engineering-ms/) (administered by

Finance and (https://msfe.illinois.edu/) Industrial & Enterprise Systems Engineering
- Finance, MS (http://catalog.illinois.edu/graduate/bus/finance-ms/)
  - optional concentrations
    - Accountancy (http://catalog.illinois.edu/graduate/bus/ concentration/finance/business-public-policy/)
    - 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/)
    - 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
  - Finance (http://catalog.illinois.edu/graduate/bus/concentration/finance/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/)