DATA ANALYTICS IN FINANCE GRADUATE CONCENTRATION

For the Data Analytics in Finance Concentration

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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 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/)

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
- 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/)
- 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/))
  - optional concentration for the Financial Engineering, MS:
    - Data Analytics in Finance (p. 1)
- 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.

For the Data Analytics in Finance Concentration

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<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>FIN 510</td>
<td>Big Data Analytics in Finance for Predictive and Causal Analysis</td>
<td>4</td>
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Choose any two of the following:

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<tr>
<td>FIN 552</td>
<td>Applied Financial Econometrics</td>
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<tr>
<td>FIN 553</td>
<td>Machine Learning in Finance</td>
<td>4</td>
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<tr>
<td>FIN 555</td>
<td>Financial Innovation</td>
<td>4</td>
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<tr>
<td>FIN 567</td>
<td>Financial Risk Management</td>
<td>4</td>
</tr>
<tr>
<td>FIN 580</td>
<td>Special Topics in Finance</td>
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Total Hours 12

Information listed in this catalog is current as of 09/2021