BUSINESS DATA ANALYTICS (MSBDA)

Position yourself as a data-driven business leader—and your company’s data scientist—with an MS in Business Data Analytics.

This one-year, full-time graduate degree program will prepare you to make informed business decisions based on a targeted analysis of the data available to business today.

Related Programs

Master's

- Information Systems and Analytics (MSISA) (https://catalog.luc.edu/graduate-professional/business/information-systems-analytics-msisa/)

Certificate

- Business Data Analytics Certificate (https://catalog.luc.edu/graduate-professional/business/business-data-analytics-certificate/)

Learn which of our analytics programs best fits your needs through our analytics degree program comparison (https://www.luc.edu/quinlan/academics/graduatedegrees/ms/choosingabusinessdataanalyticsprogram/).

Curriculum

The Master of Science in Business Data Analytics 12-course curriculum prepares you to be a responsible leader in the fast-growing field of business data analytics—in just one year.

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<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>BSAD 499</td>
<td>Special Topics</td>
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<tr>
<td>BSAD 699</td>
<td>Capstone Master of Business Data Analytics</td>
<td>3</td>
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<tr>
<td>FINC 620</td>
<td>Financial Mathematics and Modeling I</td>
<td>3</td>
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<tr>
<td>INFS 492</td>
<td>Database Systems</td>
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<td>INFS 494</td>
<td>Data Mining</td>
<td>3</td>
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<td>ISSCM 491</td>
<td>Managerial Statistics</td>
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<td>ISSCM 495</td>
<td>Forecasting Methods</td>
<td>3</td>
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<td>MGMT 441</td>
<td>Business Ethics</td>
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<tr>
<td>ECON 421</td>
<td>Business Fluctuations</td>
<td>3</td>
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<tr>
<td>ECON 522</td>
<td>Game Theory &amp; Strategy</td>
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<td>ECON 622</td>
<td>Derivative Securities</td>
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<td>FINC 452</td>
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<td>FINC 553</td>
<td>Applied Portfolio Management</td>
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<td>FINC 624</td>
<td>Interest Rate Risk Management</td>
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<tr>
<td>FINC 626</td>
<td>Credit Risk Management and Structured Finance</td>
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<tr>
<td>FINC 628</td>
<td>Valuation</td>
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Elective Courses

Choose four electives from the following three areas, with at least one elective from each of the areas.

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<td>MARK 461</td>
<td>Research Methods in Marketing</td>
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Learning Outcomes

1. Gain a deep understanding of some of the tools and software that are used in modern day analytics.
2. Be able to transform large data sets into insightful and actionable information in an easy-to-understand format to assist organizational decision making using advanced analytical tools
3. Develop skills in forecasting, modeling and problem solving
4. Develop experience tackling industry-specific problems and challenges using advanced analytics and computational methods