# BUSINESS ANALYTICS MINOR

**Program Director:** Kazim Ruhi, Ph.D.

The Minor in Business Analytics integrates technology with statistical and quantitative modeling techniques to provide students with the foundation needed for data driven decision making, as well as for graduate study in the field of Business Analytics. Students with these skills are in high demand in a variety of industries and sectors including marketing, finance, information systems, operations, health care and energy.

For more information about this minor visit [http://www.rhsmith.umd.edu/programs/undergraduate-programs/academics/academic-minors](http://www.rhsmith.umd.edu/programs/undergraduate-programs/academics/academic-minors/).

## Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BMGT402</td>
<td>Database Systems</td>
<td>3</td>
</tr>
<tr>
<td>BMGT430</td>
<td>Data Modeling in Business</td>
<td>3</td>
</tr>
<tr>
<td>BMGT431</td>
<td>Data Analytics</td>
<td>3</td>
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</tbody>
</table>

### Required Courses (9 credits)

### Electives (6 credits)

Minimum 3-6 credits from this list

<table>
<thead>
<tr>
<th>Course</th>
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<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>BMGT404</td>
<td>Essential Data Skills for Business Analytics</td>
<td></td>
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<tr>
<td>BMGT434</td>
<td>Analytics Consulting: Cases and Projects</td>
<td></td>
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<tr>
<td>BMGT435</td>
<td>Business Process Simulation</td>
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Maximum 3 credits from this list

<table>
<thead>
<tr>
<th>Course</th>
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<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>BMGT408</td>
<td>Emerging Topics in Information Systems</td>
<td></td>
</tr>
<tr>
<td>CMSC320</td>
<td>Introduction to Data Science</td>
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<tr>
<td>BMGT438</td>
<td>Special Topics in Operations Management (BMGT438A Applied Quantitative Analysis - QUEST only)</td>
<td></td>
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<tr>
<td>CMSC422</td>
<td>Introduction to Machine Learning</td>
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<tr>
<td>ECON414</td>
<td>Game Theory</td>
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<tr>
<td>STAT440</td>
<td>Introduction to Statistical Computing with SAS</td>
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<tr>
<td>ENEE439</td>
<td>Topics in Signal Processing (ENEE439M Introduction to Machine Learning)</td>
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Total Credits: 15

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1. CMSC424 or INST327 can be used as a substitute
2. ECON422 or ECON424 can be used as a substitute for Economics Majors only
3. ENCE402 can be used as a substitute
4. Economics Majors only
5. Students must apply and be selected to take this elective