The Graduate Certificate in Business Analytics helps to develop management professionals who are skilled in big data analysis and decision-making. It provides management professionals with advanced skills and techniques to address both specific and industry-wide business problems.

### Plan Requirements

#### Pre-Requisites

Students should have taken MBA 506 Data Driven Managerial Decisions 1 (1 hr) and MBA 507 Data Driven Managerial Decisions 2 (1 hr) in order to successfully complete this certificate.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
<th>Counts towards</th>
</tr>
</thead>
<tbody>
<tr>
<td>MBA 551</td>
<td>Predictive Analytics for Business and Big Data</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>MBA 552</td>
<td>Data Engineering, Management and Warehousing</td>
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</tbody>
</table>

#### Required Practicum Course

Students need to take either OPTION A or one of the courses from OPTION B that are picked in conjunction with the academic advisor.

**Option A**

- MBA 559 Business Analytics Practicum

**Option B**

Select one of the courses listed below in conjunction with the academic advisor

- MBA 519 Enterprise Risk Management Practicum
- MBA 524 Equity Valuation
- MBA 549 Supply Chain Management Practicum
- MBA 589 Jenkins Consulting Practicum

### Elective Courses

Select one of the following courses:

- ECG 561 Applied Econometrics I
- ECG 562 Applied Econometrics II

### Total Hours

1 Students can select one of the following practicum course options, provided the project they complete in the course has an analytic focus. Students will need approval from the certificate director before enrolling in one of these courses for analytic certificate credit.

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### Faculty

#### Full Professors

- Jon Bohlmann
- Sebastian Heese
- Richard Warr

#### Associate Professors

- Denis Pelletier
- Bill Rand
- Jeffrey Stonebraker

#### Assistant Professors

- Sherry Fowler
- Donnie Hale
- Rishika Rishika