BUSINESS ANALYTICS - M.S.

College of Business Administration
Department of Management and Information Systems
A432 Business Administration Building
Kent Campus
330-672-1140
mis@kent.edu
www.kent.edu/business/mis

Description
The Master of Science degree in Business Analytics provides students with a comprehensive knowledge of analytics that balances the technologies, analytical methods and business expertise needed to glean useful information from data to make strategic business decisions. The language of business today is dependent on information and data management, and the emergence of advanced technologies for capturing, preparing and analyzing data provides unprecedented opportunities for those with business analytics expertise that spans all industries and organizations.

Students in the Business Analytics major gain the technical, analytical, communication, decision-making and leadership skills needed to be successful business analysts. The curriculum includes integrative capstone analysis projects, and there is an internship option for additional professional development through the on-site College of Business Administration's Career Services Office.

The program starts with a boot camp two weeks before the regular semester to orient students with requirements and technologies.

Fully Offered At:
- Online
- Kent Campus

Accreditation
AACSB International - The Association to Advance Collegiate Schools of Business

Admission Requirements
- Bachelor's degree in business or in a science, technology, engineering or mathematics discipline from an accredited college or university for unconditional admission
- Minimum 3.000 undergraduate GPA on a 4.000 point scale for unconditional admission
- Official transcript(s)
- GMAT scores with minimum 500 overall (40th percentile in verbal and 60th percentile in quantitative sections minimum) or GRE scores
- Résumé
- Goal statement
- Three letters of recommendation
- English language proficiency - all international students must provide proof of English language proficiency (unless they meet specific exceptions) by earning one of the following:
  - Minimum 550 TOEFL PBT score (paper-based version)
  - Minimum 79 TOEFL IBT score (internet-based version)
  - Minimum 77 MELAB score
  - Minimum 6.5 IELTS score
  - Minimum 58 PTE score
  - Minimum 110 Duolingo English Test score

For more information about graduate admissions, please visit the Graduate Studies admission website. For more information on international admission, visit the Office of Global Education's admission website.

1. Students entering the program are expected to have the requisite backgrounds in statistics, mathematics, information systems and business required for the program. At a minimum, students should have general knowledge of inferential statistics, adequate general business knowledge, basic knowledge of business information systems and technologies, and a solid understanding of algebra and general mathematics with some exposure to calculus.

- Students who have not passed at least one undergraduate course (minimum B grade) that has substantial coverage of inferential statistics cannot be admitted into the program. Such students may fulfill that requirement by taking the graduate course MIS 64005 before they may be considered for admission.
- Students must have completed a minimum 3 credit hours of mathematics with a minimum B grade that includes linear algebra (effective spring 2021, linear algebra will no longer be required) before they can be admitted into the program. Deficiencies in mathematics must be met with appropriate undergraduate course(s) (e.g., MATH 21001).
- Deficiencies in business information systems and technologies, as well as partial fulfillment of the business knowledge requirement, can be obtained by taking the graduate course MIS 64042.
- Students who have at least three years of experience working in industry may have the academic business requirement waived.
- Students entering without any business coursework or experience can fulfill that requirement by taking the undergraduate course MGMT 24163 and/or the graduate course MIS 64158.

Students must complete these requirements before they start on the related program curriculum. The Business Analytics program director may consider concurrent enrollment according to the strength of the student's baccalaureate curriculum and preparedness, and the courses proposed to take concurrently with the prerequisite courses.

2. Effective Spring 2021, the minimum scores will no longer be required and the GMAT or GRE requirement will be waived for (1) applicants who earned a Kent State bachelor's degree within the past five years and had a minimum 3.500 overall GPA and (2) applicants with three or more years of relevant work experience.

Program Learning Outcomes
Graduates of the program will be able to:

1. Identify key characteristics of the business problem
2. Identify opportunities and constraints of various data analytical frameworks and tools.
3. Formulate appropriate data analytic techniques to solve the business problem.
4. Perform necessary data preparation steps (retrieve, clean and manipulate data).
5. Demonstrate necessary theoretical knowledge and practical skills to implement several data-analytic frameworks using different tools.
6. Lead and work with teams to frame the business problem.
7. Convey in writing the outcomes of analytics for stakeholders.
8. Use visual outcomes of analytics to communicate orally effective messages for stakeholders

**Program Requirements**

**Major Requirements**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MIS 64018</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>MIS 64036</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>MIS 64037</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>MIS 64038</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>MIS 64060</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>MIS 64061</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>MIS 64082</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>MIS 64092</td>
<td></td>
<td>3</td>
</tr>
</tbody>
</table>

Major Electives, choose from the following: 6
- CS 63015
- CS 63016
- ECON 62054
- EMAT 61010
- EMAT 64210
- HI 60411
- KM 60370
- MIS 64011
- MIS 64028
- MIS 64099
- MIS 64160
- MKTG 65057

Minimum Total Credit Hours: 30

**Graduation Requirements**

Minimum 30 credit hours required for the degree is the assumption that a student does not have any unmet requirements she/he needs to be successful in the program. The Business Analytics program coordinator may make further determination of a student's preparedness for the program and what prerequisite courses, if any, may be required.