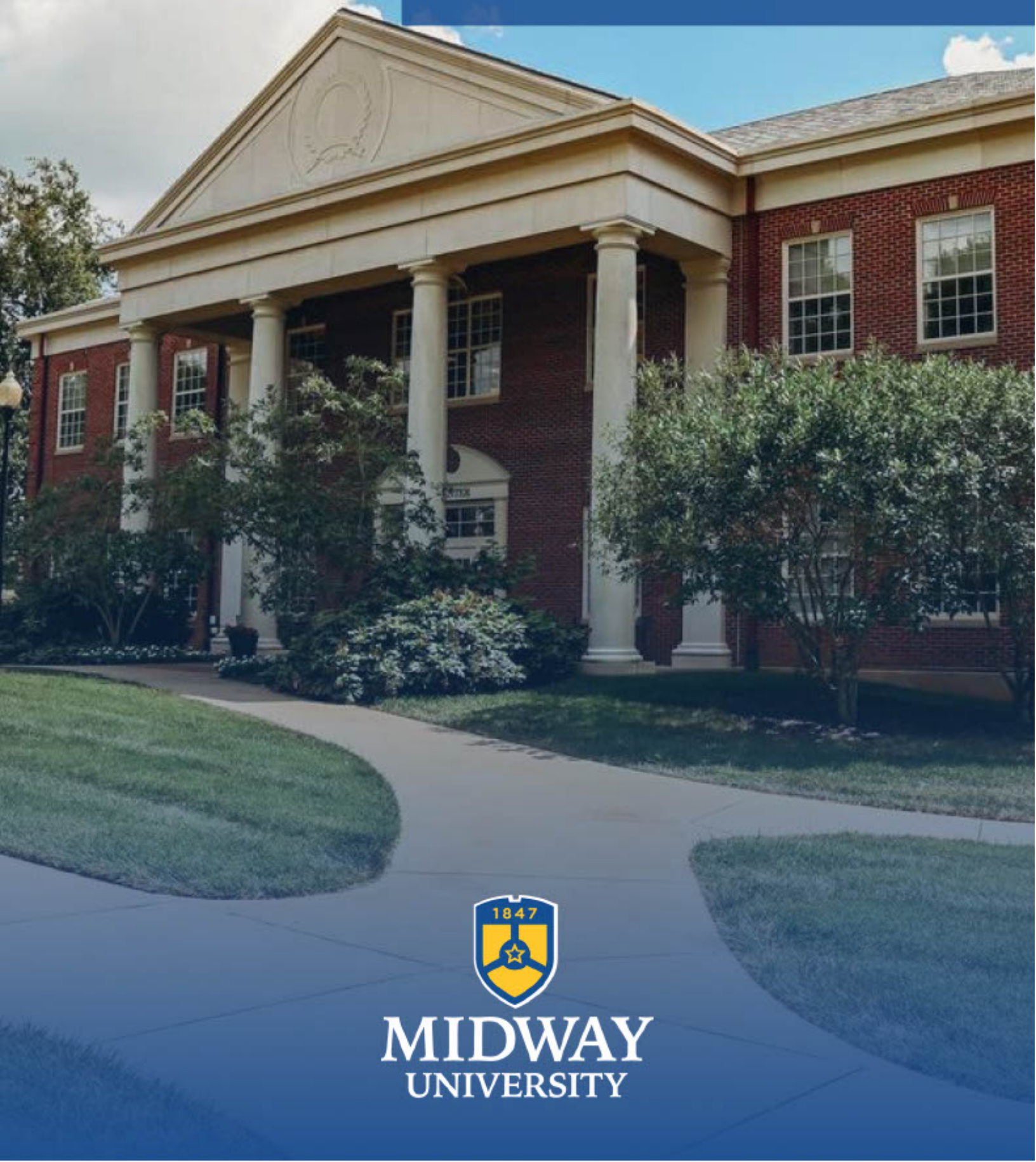


ACADEMIC CATALOG

2026-2027



MIDWAY
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Midway University

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Course

MIS 632 - Intelligent Business Systems

The concepts of business intelligence (BI) as components and functionality of information systems are explored in this course. Students examine how business problems can be solved effectively by using operational data to create data warehouses, and then applying data mining tools and analytics to gain new insights into organizational operations. Detailed discussion of the analysis, design and implementation of systems for BI, including: the differences between types of reporting and analytics, enterprise data warehousing, data management systems, decision support systems, knowledge management systems, big data and data/text mining. Case studies are used to explore success and limitations of BI as well as technical and social issues.

Upon completion, students will be able to:

- Apply business intelligence tools to aid in organizational decision making.
- Develop decision models using appropriate technology to support efficient operation.
- Design a solution to using unstructured data as well as historical data to improve an organization's decision-making process.

Grade Basis: L

Credit hours: 3.0

Lecture hours: 3.0

Last updated: 07/15/2026

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