

# MBA - BUSINESS INFORMATICS

## About the MBA-I Program

Judson's MBA program with a STEM informatics focus offers students a unique blend of business and technical skills to succeed in the rapidly evolving field of data-driven decision-making. Through hands-on projects, case studies, and coursework, students learn to effectively analyze and interpret complex data sets, develop innovative solutions, and lead interdisciplinary teams in a variety of industries.

STEM disciplines are characterized by their emphasis on quantitative analysis, problem-solving, and the application of scientific principles to real-world challenges. An MBA Informatics program aligns with these core principles by equipping students with the ability to utilize data-driven decision-making, statistical analysis, and predictive modeling. Graduates are trained to assess complex business problems, evaluate data sets, and develop innovative solutions rooted in analytical reasoning—a quintessential aspect of the STEM framework.

## Graduate Outcomes

### Graduates of the Master of business administration - informatics program will...

- Develop a deep understanding of the intersection of business and technology, and how ICT can be used to improve business processes, operations, and decision-making
- Acquire advanced knowledge and skills in business strategy, leadership, finance, marketing, and operations, as well as in areas such as data analytics, information security, and digital transformation
- Demonstrate skills in data analytics, software development, project management, database design and management, information security, and business process modeling
- Learn how to effectively manage IT projects and initiatives, and how to align IT with business goals and objectives in order to drive innovation, improve efficiency, and create value for stakeholders
- Understand the legal and ethical issues related to the collection, storage, processing, and use of data, and how to ensure compliance with relevant laws and regulations
- Effectively communicate technical concepts and solutions to non-technical stakeholders, such as business managers and executives
- Work in interdisciplinary teams, and collaborate with stakeholders from different backgrounds and disciplines
- Develop critical thinking and problem-solving skills, and use data and evidence to make informed decisions and solve complex problems
- Foster a commitment to lifelong learning and professional development, and to staying up-to-date with the latest advancements in ICT and business informatics

## Important Notes

- A minimum cumulative GPA of 3.0 is required.
- Students must be approved by the Program Director of the doctoral Computer Science Program and the faculty for graduation.

## Program Requirements

DCS505	Introduction to Business Informatics	3
DCS510	Ethics in a Rapidly Advancing Society	3
DCS515	Business Intelligence and Analytics	3
DCS505	Introduction to Business Informatics	3
DCS530	Design Thinking for Data Visualization	3
DCS550	Information Technology Project Management	3
DCS602	Enabling Technologies	3
DCS615	Foundations in Machine Learning	3
BUS510	Managerial Accounting	3
BUS540	Marketing	3
BUS550	Managerial Economics	3
BUS560	International Business	3
DCS691	Practical Professional Leadership <sup>1</sup>	1

<sup>1</sup> This course should be taken for 1 credit each semester the student is enrolled.

## Master of Business Administration - Informatics

Academic planning is the student's responsibility. This Graduation Plan is designed to be a guide to assist students as they plan their course selections. This is only a suggested schedule, and is not a substitute for a student's Degree Audit, nor the Program Requirements in the Judson University Catalog. Actual course selections should be made with the advice and approval of an academic advisor. Students should become familiar with the catalog in effect at the time at which they entered the institution.

Course	Title	Hours
<b>First Year</b>		
<b>First Semester</b>		
DCS505	Introduction to Business Informatics	3
DCS510	Ethics in a Rapidly Advancing Society	3
BUS550	Managerial Economics	3
DCS691	Practical Professional Leadership	1
<b>Hours</b>		<b>10</b>
<b>Second Semester</b>		
DCS515	Business Intelligence and Analytics	3
BUS510	Managerial Accounting	3
BUS520	Financial Management	3
DCS691	Practical Professional Leadership	1
<b>Hours</b>		<b>10</b>
<b>Second Year</b>		
<b>First Semester</b>		
DCS530	Design Thinking for Data Visualization	3
DCS602	Enabling Technologies	3
DCS606	Emerging and Disruptive Technology	3
DCS615	Foundations of Machine Learning	3

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DCS691 Practical Professional Leadership	1
<b>Hours</b>	<b>13</b>
<b>Second Semester</b>	
DCS550 IT Project Management	3
BUS540 Marketing	3
BUS560 International Business	3
DCS691 Practical Professional Leadership	1
<b>Hours</b>	<b>10</b>
<b>Total Hours</b>	<b>43</b>