

# Business Information Systems Certificate

## 2022-2023 Course Listing

Course Name	Credits	Course Description
<b>Choose 3 out of 4 classes (12 credits)</b>		
<b>CIS570</b> <b>Business Intelligence</b>	3	<p>Organizations are awash with data that they collect and store as part of their routine operations. Business intelligence refers to the harnessing of these vast data stores to understand and solve problems, enhance decision-making, and discover new opportunities. CIS570 will focus on the concepts, processes, techniques, and technologies that managers can use to store, access, transform, analyze, mine, and visualize data for the purpose of deriving business value from it. Upon successful completion of the course, students should have:</p> <ul style="list-style-type: none"> <li>• Acquired a sound knowledge of the field of business intelligence (BI) including its impacts, capabilities, and role in decision making,</li> <li>• Learned about BI technologies and the vendors that shape the industry,</li> <li>• Gained hands-on experience with some popular BI tools.</li> </ul>
<b>CIS600A</b> <b>Information Technology and Project Management</b>	3	<p>Strategic role and management of technology and projects; students will apply knowledge, skills, tools, and techniques for project management solutions that are relevant in any discipline; balance competing project stakeholder requirements for quality, scope, time, cost, and personnel issues; plan and implement a functional class project; investigate the PMBOK &amp; PMP/CAPM professional examinations; utilize management cases for analyzing project management issues and making project-related decisions.</p>
<b>CIS601</b> <b>Enterprise Computing &amp; Systems Integration</b>	3	<p>In CIS 601, students will learn the strategic value of enterprise systems, evaluate risks associated with enterprise system implementations, gain hands-on experience with SAP (an ERP system), and understand the MRP process. Student learning outcomes include:</p> <ul style="list-style-type: none"> <li>• Defining of enterprise systems and their role in business process integration</li> <li>• Understanding the strategic value of using an enterprise system to manage information across functional areas of businesses</li> <li>• Evaluating the risks and challenges of enterprise system implementations</li> <li>• Demonstrating hands-on knowledge of how to use enterprise systems</li> </ul>
<b>CIS676</b> <b>Information Technology Management</b>	3	<p>In this class, an applied examination of IT management is conducted with an emphasis on emerging technologies, business transformation, and IT management and operation. The focus is on the utilization of IT to automate, augment and enhance business processes, and IT delivery of the needed processes and information. This course aims to increase management knowledge in organizational decision-making regarding IT and to collaborate with business management when determining the strategies and tactics for information technology in your company.</p>

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