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# Information Systems Emphasis

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An emphasis in information systems provides students with the ability to lead in the digital age. Students taking this emphasis will appreciate the profound and often disruptive impact information and communication technologies have on business and society. Students will garner the necessary skills to leverage IT to create efficient organizations characterized by standardized business processes and integrated data. Additionally, the emphasis will prepare students for an increasingly compliance and security intensive environments due to heavy integration of IT with key financial and accounting processes. Finally, they will learn how to innovate and create top-line growth and differentiation opportunities based on data-driven business intelligence, harnessing social media to develop customer intimacy and by optimally leveraging a global sourcing of IT and IT enabled business processes.

Students with an emphasis in information systems will be attractive candidates for careers in strategic and technology consulting, business analytics and predictive modeling, compliance and auditing of business processes, global sourcing management, e-procurement, ERP consulting, vendor relationship management, project management, IT governance, business facing roles of the IT functions of all major corporations and as search and computational advertising and social media specialists.

## **Recommendations for an emphasis**

The following courses are recommended for an information systems emphasis. It is recommended that 10 elective credits be completed for an emphasis in information systems.

*These 6 credits:*

IDSc 6423, Enterprise Systems  
IDSc 6444, Business Intelligence  
IDSc 6465, Global Sourcing of IT and IT Enabled Services

*And at least 4 credits from:*

IDSc 6401, Decision Technologies  
IDSc 6421, Financial Information Systems and Technologies  
IDSc 6435, Business Process Excellence  
IDSc 6442, E-Sourcing and E-Auctions  
IDSc 6471, Knowledge Management  
IDSc 6481, Managerial Decision Making  
IDSc 6490, Business of Blogs, Wikis & Online Social Networks  
IDSC 6490, Information Security

Additionally, we recommend that students also consider incorporating interdisciplinary courses to obtain a well-rounded business foundation. The following courses are suggested as complementary to an emphasis in information systems.

FINA 6242    Advanced Corporate Finance Analysis and Decisions

MGMT 6050 Management of Innovation and Change  
MGMT 6040 Globalization, Technology and International Management  
OMS 6051 Service Management  
MKTG 6080 Internet Marketing  
ENTR 6041 New Product Design and Business Development

***Students should keep in mind that not all courses listed above are offered every semester.*** Students should check One Stop and/or the Class Schedule page to verify each semester's course offerings as well as the professors assigned to those courses.

Brief course descriptions and a tentative list of when the course is being offered can be found on the Course Description page.

A more detailed description of the course, including objectives and expected learning outcomes, can be found on the Course Executive Summaries page.

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