INFORMATION SYSTEMS (FERMANIAN SCHOOL OF BUSINESS), B.S.

Program Learning Outcomes

Students who complete the program in Information Systems will be able to:

1. Exhibit general knowledge of theories and practices in the core areas of business.
2. Critically analyze and apply business knowledge to solve complex business situations.
3. Demonstrate effective business communication through both written and verbal means.
   a. Students will be able to speak about their work with precision, clarity and organization
   b. Students will be able to write about their work with precision, clarity and organization
   c. Students will be able to identify, locate, evaluate, and effectively and responsibly use and cite information for the task at hand.
4. Formulate decisions informed by ethical values.
5. Collaborate effectively in teams.
6. Write correct and robust software.
7. Analyze the interaction between hardware and software.
8. Apply technical knowledge and critical thinking to solve problems.
9. Understand and create arguments supported by quantitative evidence.
10. Demonstrate knowledge of information systems and be prepared for careers that use information systems, and graduate study in fields related to information systems.

Code	Title	Units
Lower-Division Requirements		
ACC 2001	Principles of Financial Accounting	4
ACC 2002	Principles of Managerial Accounting	3
BUS 1000	Introduction to Business and Systems	3
BUS 2001	Legal Environment of Business	3
CSC 1043 and CSC 1043L	Introduction to Computer Programming and Introduction to Computer Programming Lab	3
CSC 1054 and CSC 1054L	Objects and Elementary Data Structures and Objects and Elementary Data Structures Lab	4
CSC 2052 and CSC 2052L	Data Structures in C++ and Data Structures in C++ Lab	2
ECO 1002	Principles of Microeconomics (FE) [1]	3
MGT 2012	Principles of Management	3
MTH 1073	Business Calculus (FE) [2]	3
MTH 2003	Introduction to Statistics	3
Upper-Division Requirements		
BUS 3013	Business Communications	3
BUS 4080	International Business	3
CSC 3014	Operating Systems	4
ISS 3042	Project Management and Quality Assurance	2
ISS 3073	Networking and Security	3
ISS 4003	Information and Computer Security	3
ISS 4014	Data Base Systems and Web Integration	4
ISS 4072	Internship in Information Systems	2
ISS 4081	Senior Seminar in Information Systems	1
FIN 3035	Business Finance	3
MGT 4088 and MGT 4088L	Strategic Management and Strategic Management Lab	3
MKT 3032	Principles of Marketing	3
Total Units		**68**

[1] ECO 1001 and ECO 1002 may substitute for ECO 1000.
[2] MTH 1044 or MTH 1064 may substitute for MTH 1073.

Recommended:

Code	Title	Units
Cross-Cultural Experience		
PHL 2011	Ethics (FE)	3