Program Courses

It is worth noting that course codes consist of two parts: the first two letters (CP) represent the faculty code and the second two letters represent the department code (IS). The following table illustrates the topic areas indicated by the middle digits in course numbers:

Middle Digit	Topic Areas
1	Infrastructure, Architecture & Organization
2	Information Systems Theory & Foundations
3	Management
4	Database & Information Retrieval
5	Software Systems Engineering
6	Computing Systems
7	Networking
8	E-Systems
9	Applications & Advanced Topics

Required Course List

Code	Course Title	Credits	Prerequisite
BUS-230	Principles of Management	3	BUS-230
BUS-232	Principles of Marketing	3	
BUS-233	Organizational Behavior	3	
ACCT-333	Principles of Corporate Accounting	2	BUS-230
CPIS-210	Computer Architecture & Organization	3	CPCS-202
CPIS-220	Principles of Information Systems	3	CPCS-202
CPIS-222	Principles of Operating Systems	3	CPCS-204 CPIS-210
CPIS-240	Database Management Systems (I)	3	CPCS-204
CPIS-250	Software Engineering	3	CPCS-204
CPIS-312	Information & Computer Security	3	CPIS-370
CPIS-323	Summer(workplace) Training	0	---
CPIS-342	Data Warehousing and Mining	3	CPIS-240
CPIS-351	IS Analysis & Architecture Design	3	CPIS-250
CPIS-352	IS Applications Design & Development	3	CPIS-351
CPIS-354	Principles of Human Computer Interaction	3	CPIS-250
CPIS-357	Software Quality and Testing	3	CPIS-250 CPIS-334
CPIS-358	Internet Applications & Web Programming	3	CPIS-250
CPIS-370	Fundamentals of Data Networks	3	CPIS-210 CPCS-204
CPIS-380	Introduction to E-Business Systems	3	CPIS-351 CPIS-358
CPIS-434	IS Strategies and Policies	3	CPIS-220

CPIS-498	Senior Project (I)	1	Senior Level
CPIS-499	Senior Project (II)	3	CPIS-498
	Total 57 Credits		

Elective Course List

Code	Course Title	Credits	Prerequisite
STAT-217	Introduction to Quantitative Analysis	3	STAT-210
ACCP-334	Business Analysis	3	BUS-232
STAT-260	Operations Research	3	STAT-210
CPIS-320	Decision Support Systems & Theory	3	CPIS-220 CPIS-250
CPIS-330	Advanced Project & Quality Management	3	CPIS-334 CPIS-357
CPIS-340	Database Management Systems II	3	CPIS-240
CPIS-350	Systems Design Patterns	3	CPIS-250
CPIS-356	SW Metrics and Economics	3	CPIS-250
CPIS-360	Advanced Information Systems Technologies	3	CPIS-240
CPIS-363	Intelligent Systems	3	CIPS-250
CPIS-382	Development of E-Systems & Interface Design	3	CPIS-358
CPIS-420	Techniques of Decision Support Systems	3	CPIS-320
CPIS-424	Modeling & Simulations	3	CPIS-250
CPIS-430	IS Change Management	3	CPIS-330
CPIS-444	Knowledge Management	3	CPIS-240
CPIS-461	Business Information Systems	3	CPIS-360
CPIS-462	Information Systems Applications	3	CPIS-461
CPIS-464	Distributed Systems	3	CPIS-370
CPIS-465	Geographical Information Systems	3	CPIS-220 CPIS-250
CPIS-466	Office Automation Systems	3	BUS-232 CPIS-351
CPIS-472	Data Networks Design and Management	3	CPIS-370
CPIS-483	E-Systems Applications	3	CPIS-380
CPIS-486	E-Business Strategies	3	CPIS-380
CPIS-490	Selected Topics in IS*	3	

*With department approval.