

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 (IT). The following table illustrates the topic areas indicated by the middle digits in course numbers:

Middle Digit	Topic Areas
1	Architecture & Organization
2	IT Foundations
3	Theoretical Foundations & Algorithms
4	Database & Information Retrieval
5	Software Engineering
6	Operating Systems
7	Network Computing
8	Human Computer Interaction
9	Applications & Advanced Topics

Required Course List

Code	Course Title	Credits	Prerequisite
CPIT-210	Computer Architecture	3	CPCS-202
CPIT-220	Introduction to IT	3	CPIT-201
CPIT-240	Databases I	3	CPCS-204
CPIT-250	System Analysis & Design	3	CPCS-204
CPIT-251	Software Engineering (I)	3	CPIT-250
CPIT-252	Software Design Patterns	3	CPIT-251
CPIT-260	Operating Systems	3	CPCS-204 CPIT-210
CPIT-280	Human-Computer Interaction	3	CPIT-250
CPIT-285	Computer Graphics	3	CPCS-204
CPIT-305	Advanced Programming	3	CPCS-204
CPIT-323	Summer(workplace) Training I	0	---
CPIT-330	IT Issues & Management	3	CPIT-220 CPIT-250
CPIT-345	Database Administration	3	CPIT-240
CPIT-370	Computer Networks	3	CPIT-201
CPIT-380	Multimedia Technologies	3	CPIT-285
CPIT-405	Internet Applications	3	CPIT-370 CPIT-252
CPIT-425	Information Security	3	CPIT-370
CPIT-435	Needs Assessment & Technology Evaluation	2	CPIT-220 CPIT-250
CPIT-470	Networks Administration	3	CPIT-370
CPIT-498	Senior Project (I)	1	Senior Level

CPIT-499 Senior Project (II) 3 CPIT-498
Total 57 Credits

Elective Course List

Code	Course Title	Credits	Prerequisite
CPIT-340	Database (II)	3	CPIT-240
CPIT-375	Data Network Design and Evaluation	3	CPIT-370
CPIT-430	Decision Support Systems	3	CPIT-330
CPIT-436	E-Business Technology	3	CPIT-435
CPIT-440	Data Mining & Warehousing	3	CPIT-240
CPIT-445	Knowledge Engineering	3	CPIT-440
CPIT-455	Software Engineering (II)	3	CPIT-251
CPIT-456	SW Economics	3	CPIT-251
CPIT-475	Wireless Data Networks	3	CPIT-370
CPIT-480	Fundamentals of Instructional Techniques	3	CPIT-380
CPIT-485	User-Centered System Design	3	CPIT-280
CPIT-490	Selected Topics in IT*	3	---

*With department approval.