PROGRAM COURSES
IT Bachelor Program

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 0 90 Credits
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.