Study Plan without Cooperative Education

Bachelor of Science Program in Information Technology

YEAR 1

SEMESTER 1

- 06016401 MATHEMATICS FOR INFORMATION TECHNOLOGY 3(3-0-6)
- 06016402 INFORMATION TECHNOLOGY FUNDAMENTALS 3(2-2-5)
- 06066303 PROBLEM SOLVING AND COMPUTER PROGRAMMING 3(2-2-5)
- 06016411 INTRODUCTION TO COMPUTER SYSTEMS 3(2-2-5)
- 90642999 CHARM SCHOOL 3(x-x-x) S/U
- 90644007 FOUNDATION ENGLISH 1 3(3-0-6) S/U

SEMESTER 2

- 06016408 OBJECT-ORIENTED PROGRAMMING 3(2-2-5)
- 06066101 BUSINESS FUNDAMENTALS FOR INFORMATION TECHNOLOGY 3(3-0-6)
- 06066001 PROBABILITY AND STATISTICS 3(3-0-6)
- 06066301 DATA STRUCTURES AND ALGORITHMS 3(2-2-5)
- 90641002 DIGITAL INTELLIGENCE QUOTIENT 3(3-0-6) S/U
- 90644008 FOUNDATION ENGLISH 2 3(3-0-6) S/U

Prerequisite: 90644007 → 90644008

YEAR 2

SEMESTER 1

- 06066000 DISCRETE MATHEMATICS 3(3-0-6)
- 06066304 INFORMATION SYSTEM ANALYSIS AND DESIGN 3(3-0-6)
- 06016403 MULTIMEDIA TECHNOLOGY 3(2-2-5)
- 06016409 PHYSICAL COMPUTING 3(2-2-5)
- 06066300 DATABASE SYSTEM CONCEPTS 3(2-2-5)
- 06016413 INTRODUCTION TO NETWORK SYSTEMS 3(3-0-6)

SEMESTER 2

- 06016405 CYBERSECURITY FUNDAMENTALS 3(3-0-6)
- 06016410 SOFTWARE ENGINEERING 3(3-0-6)
- 06016412 COMPUTER ORGANIZATION AND OPERATING SYSTEM 3(2-2-5)
- 06066302 FUNDAMENTAL WEB PROGRAMMING 3(2-2-5)
- 06016414 NOSQL DATABASE SYSTEMS 3(2-2-5)
- 06016415 FUNCTIONAL PROGRAMMING 3(2-2-5)
- 06016419 COMMUNICATION NETWORK INFRASTRUCTURE 3(2-2-5)
- 06016420 INFRASTRUCTURE SYSTEMS AND SERVICES 3(2-2-5)
- 06016424 HUMAN INTERFACE DESIGN 3(3-0-6)
- 06016425 VISUAL DESIGN FUNDAMENTALS FOR INTERACTIVE MEDIA 3(2-2-5)

Prerequisite: 06066304 → 06016404; 06016413 → 06016419

YEAR 3

SEMESTER 1

- 06016404 CLOUD COMPUTING 3(2-2-5)
- 06066102 MANAGEMENT INFORMATION SYSTEMS 3(3-0-6)
- 06016416 REQUIREMENT ENGINEERING 3(3-0-6)
- 06016417 SOFTWARE DEVELOPMENT TOOLS AND ENVIRONMENTS 3(2-2-5)
- 06016418* SERVER-SIDE WEB DEVELOPMENT 3(2-2-5)
- 06016423 INFRASTRUCTURE PROGRAMMABILITY AND AUTOMATION 3(2-2-5)
- 06016421 INFORMATION TECHNOLOGY INFRASTRUCTURE SECURITY 3(3-0-6)
- 06016422 INTERNET OF THINGS 3(2-2-5)
- 06016426 COMPUTER GRAPHICS AND ANIMATION 3(2-2-5)
- 06016427 INTRODUCTION TO GAME DESIGN AND DEVELOPMENT 3(2-2-5)
- 06016418* SERVER-SIDE WEB DEVELOPMENT 3(2-2-5)
- 90644xxx ELECTIVE COURSE IN LANGUAGE AND COMMUNICATION 3(3-0-6)

SEMESTER 2

- 06066100 INFORMATION TECHNOLOGY PROJECT MANAGEMENT 3(3-0-6)
- 060164xx ELECTIVE COURSE IN INFORMATION TECHNOLOGY 1 3(X-X-X)
- 060164xx ELECTIVE COURSE IN INFORMATION TECHNOLOGY 2 3(X-X-X)
- 9064XXXX กลุ่มทักษะบุคคลและส่งเสริมวิชาชีพ 3(3-0-6)
- 9064XXXX กลุ่มทักษะภาษาและการสื่อสาร 3(3-0-6)

YEAR 4

SEMESTER 1

- 06016406 PROJECT 1 3(0-9-0)
- 060164xx ELECTIVE COURSE IN INFORMATION TECHNOLOGY 3 3(x-x-x)
- xxxxxxxx FREE ELECTIVE COURSE 1 3(x-x-x)
- 9064xxxx ELECTIVE COURSE IN GENERAL EDUCATION 1 3(3-0-6)
- 9064XXXX กลุ่มทักษะการจัดการและภาวะความเป็นผู้นำ 3(3-0-6)

SEMESTER 2

- 06016407 PROJECT 2 3(0-9-0)
- 9064xxxx FREE ELECTIVE COURSE 2 3(x-x-x)
- 9064xxxx ELECTIVE COURSE IN GENERAL EDUCATION 2 3(3-0-6)

Prerequisite: 06016406 → 06016407