

# PROGRAM DEGREE PLAN

## IT Bachelor Program

### Fourth Semester

- ISLS 201 - Islamic Culture (2) - 2 Cr (Pre: ISLS 101)
- ARAB 101 - Arabic Language (1) - 3 Cr
- CPCS-203 - Programming (II) - 3 Cr (Pre: CPCS-202)
- CPCS-222 - Discrete Structures (I) - 3 Cr
- CPIT-220 - Introduction to IT - 3 Cr (Pre: CPIT-201)

**Total:** 14 Credits

### Fifth Semester

- ISLS 301 - Islamic Culture (3) - 2 Cr (Pre: ISLS 201)
- ARAB 201 - Arabic Language (2) - 3 Cr (Pre: ARAB 101)
- CPCS-204 - Data Structures (1) - 3 Cr (Pre: CPCS-203)
- CPIT-210 - Computer Architecture & Organization - 3 Cr (Pre: CPCS-202)
- College Free (I) - 3 Cr

**Total:** 14 Credits

### Sixth Semester

- CPIT-240 - Database (I) - 3 Cr (Pre: CPCS-204)
- CPIT-250 - System Analysis & Design - 3 Cr (Pre: CPCS-204)
- CPIT-260 - Operating Systems - 3 Cr (Pre: CPCS-204, CPIT-210)
- CPIT-285 - Computer Graphics - 3 Cr (Pre: CPCS-204)
- College Free (II) - 3 Cr

**Total:** 15 Credits

### Seventh Semester

- ISLS 401 - Islamic Culture (4) - 2 Cr (Pre: ISLS 301)
- CPIT-251 - Software Engineering (I) - 3 Cr (Pre: CPIT-250)
- CPIT-280 - Human-Computer Interaction - 3 Cr (Pre: CPIT-250)
- CPIT-370 - Computer Networks - 3 Cr (Pre: CPIT-201)
- Department Elective (I) - 3 Cr

**Total:** 14 Credits

### Eighth Semester

- CPIS-334 - Introduction to Software Project Management - 2 Cr
- CPIT-252 - Software Design Patterns - 3 Cr (Pre: CPIT-251)
- CPIT-330 - IT Issues & Management - 3 Cr (Pre: CPIT-220, CPIT-250)
- CPIT-380 - Multimedia Technologies - 3 Cr (Pre: CPIT-285)
- CPIT-305 - Advanced Programming - 3 Cr (Pre: CPCS-204)
- CPIT-425 - Information Security - 3 Cr (Pre: CPIT-370)

**Total:** 17 Credits

### **Summer Semester**

- CPIT-323 - Summer (Workplace) Training - 200 Hours (No Credit)

### **Ninth Semester**

- CPIT-405 - Internet Applications - 3 Cr (Pre: CPIT-370, CPIT-252)
- CPIT-498 - Senior Project (I) - 1 Cr (Pre: Senior Level)
- CPIT-345 - Database Administration - 3 Cr (Pre: CPIT-240)
- Department Elective (II) - 3 Cr
- Department Elective (III) - 3 Cr

**Total:** 13 Credits

### **Tenth Semester**

- CPIS-428 - Professional Computing Issues - 2 Cr (Pre: CPIT-323)
- CPIT-499 - Senior Project (II) - 3 Cr (Pre: CPIT-498)
- CPIT-435 - Needs Assessment & Technology Evaluation - 2 Cr (Pre: CPIT-220, CPIT-250)
- CPIT-470 - Networks Administration - 3 Cr (Pre: CPIT-370)
- College Free (III) - 3 Cr

**Total:** 13 Credits