



The study plan - Bachelor of Information Technology

| Level 1 |      |  |        |        |      |                                    |        |
|---------|------|--|--------|--------|------|------------------------------------|--------|
| Term 1  |      |  |        | Term 2 |      |                                    |        |
| No      | Code | Course                                 | Credit | No     | Code | Course                             | Credit |
| 1       |      | Islamic Culture                        | 2      | 1      |      | IT Fundamentals                    | 3      |
| 2       |      | Arabic Language                        | 2      | 2      |      | Introduction to Programming        | 3      |
| 3       |      | English Language (1)                   | 3      | 3      |      | English Language (2)               | 3      |
| 4       |      | Introduction to Computer               | 3      | 4      |      | Discrete Mathematics               | 3      |
| 5       |      | Calculus                               | 3      | 5      |      | Logic Design                       | 3      |
| 6       |      | Statistics and Probabilities           | 3      | 6      |      | Communication Skills               | 2      |
| Level 2 |      |  |        |        |      |                                    |        |
| Term 1  |      |  |        | Term 2 |      |                                    |        |
| No      | Code | Course                                 | Credit | No     | Code | Course                             | Credit |
| 1       |      | Database (1)                           | 3      | 1      |      | Database (2)                       | 3      |
| 2       |      | Data Structures                        | 3      | 2      |      | Object Oriented Programming        | 3      |
| 3       |      | Computer Architecture and Organization | 3      | 3      |      | Algorithms Analysis and Design     | 3      |
| 4       |      | Web Design                             | 3      | 4      |      | Computer Networking Administration | 3      |
| 5       |      | Computer Networking Fundamentals       | 3      | 5      |      | Operating Systems                  | 3      |
| 6       |      | Accounting                             | 3      | 6      |      | Web Development                    | 3      |
| Level 3 |      |  |        |        |      |                                    |        |
| Term 1  |      |  |        | Term 2 |      |                                    |        |
| No      | Code | Course                                 | Credit | No     | Code | Course                             | Credit |
| 1       |      | Visual Programming                     | 3      | 1      |      | Human Computer Interaction         | 3      |
| 2       |      | Systems Analysis and Design            | 3      | 2      |      | Software Engineering               | 3      |
| 3       |      | Multimedia                             | 3      | 3      |      | Research Methodologies             | 3      |
| 4       |      | E- Commerce                            | 3      | 4      |      | IT Project Management              | 3      |
| 5       |      | Applications Development               | 3      | 5      |      | Integrative Programming            | 3      |
| 6       |      | IT Management                          | 3      | 6      |      | Distributed Systems                | 3      |
| Level 4 |      |  |        |        |      |                                    |        |
| Term 1  |      |  |        | Term 2 |      |                                    |        |
| No      | Code | Course                                 | Credit | No     | Code | Course                             | Credit |
| 1       |      | Modeling and Simulation                | 3      | 1      |      | Mobile Programming                 | 3      |
| 2       |      | Information Security                   | 3      | 2      |      | IT Ethics                          | 2      |
| 3       |      | Elective (1)                           | 3      | 3      |      | Elective (3)                       | 3      |
| 4       |      | Elective (2)                           | 3      | 4      |      | Elective (4)                       | 3      |
| 5       |      | Graduation Project (1)                 | 2      | 5      |      | Graduation Project (2)             | 4      |

| Elective Courses                  |                          |                                    |
|-----------------------------------|--------------------------|------------------------------------|
| 1. Geographic Information Systems | 2. Switching and Routing | 3. Data Mining                     |
| 4. Decision Support Systems       | 5. Parallel Processing   | 6. Wireless Communication          |
| 7. Cloud Computing                | 8. E-Learning            | 9. Selected Topics in IT           |
| 10. Image Processing              | 11. Computer Drawing     | 12. Enterprise Deployment Software |