Faculty of Information Technology

Advisory Flow Chart for Computer Science Major

2015 - 2014

First Year

Sem 1 (15 Cr. Hr.)

- English Language Communication Skills (1) **0121131**
- Discrete Mathematics **0312101**
- Computer Skills (Information Technology) **0331202**
- Arabic Language Communication Skills (1) **0161101**
- Mathematics (I) **0111101**

Sem 2 (18 Cr. Hr.)

- Communication Skills & Technical Writing **0332602**
- Digital Logic Design **0312301**
- Elective University Requirement **1**
- National Education **0161201**
- Introduction to Programming **0311203**
- Introduction to Programming Lab **0311204**
- Statistics & Probability **0312603**

Second Year

Sem 1 (16 Cr. Hr.)

- Computer Organization & Architecture **0313303**
- Elective University Requirements **2**
- Visual Programming **0312201**
- Object Oriented Programming **0311205**
- Object Oriented Programming Lab **0311206**
- Numerical Analysis and Programming **0312604**

Sem 2 (16Cr. Hr.)

- Computer Design **0313304**
- Computer Networks **0342401**
- Computer Networks Lab **0342402**
- Database Management Systems **0313501**
- Data Structures **0342102**
- Elective University Requirement **3**

Third Year

Sem 1 (18 Cr. Hr.)

- Elective Major Requirement **1**
- Theory of Computation **0313102**
- E-Commerce & Internet Programming **0313203**
- Database Applications **0313504**
- Computer Graphics **0313104**
- Elective University Requirement **4**

Sem 2 (16 Cr. Hr.)

- Information Security & Privacy **0343501**
- Internet Applications Development Lab **0313202**
- Internet Applications Development **0313201**
- Introduction to Software Engineering **0332401**
- Elective Major Requirement **2**
- Algorithms Analysis & Design **0313101**

Fourth Year

Sem 1 (15 Cr. Hr.)

- Operating Systems **0314301**
- Wireless & Mobile Networks **0343403**
- Graduation Project **0314702**
- Systems Analysis & Design **0313502**
- Artificial Intelligence **0313103**

Sem 2 (18 Cr. Hr.)

- Entrepreneurship & Professional Ethics **0334402**
- Practical Training **0314701**
- Elective University Requirement **5**
- Mobile Applications Development **0314101**
- Elective Major Requirement **3**
- Military Sciences **0161200**