

Faculty of Information Technology Study Plan Form
Computer Science 2019/2020
Number of Credit Hours: 135

First: University Compulsory Requirements – (12) Credit Hours:

| C # | Course Title | Hrs | Pre. |
|----------|-------------------|-----|---------------|
| 01101101 | Military Sciences | 3 | For jordinain |
| 01101112 | English Language | 3 | 01100012 |
| 01101111 | Arabic Language | 3 | 01100011 |
| 01101102 | National Educatio | 3 | For jordinain |

Second: University Selective Requirements - (12) Credit Hours:

| C # | Course Title | Hrs | Pre. |
|----------|--|-----|----------|
| 01101103 | Traffic awareness | 3 | - |
| 01101104 | Leadership and creativity | 3 | - |
| 01101121 | Life skills | 3 | - |
| 01101131 | Islamic Culture | 3 | - |
| 01101132 | Jerusalem and the Hashemite Trusteeship | 3 | - |
| 01101141 | Sports and Health | 3 | - |
| 01101142 | Environment and society | 3 | - |
| 01101151 | Computer Skills | 3 | 01100051 |
| 01101161 | Economic concepts and systems | 3 | - |
| 01101171 | Psychology and Society | 3 | - |
| 01101152 | Communication and Internet | 3 | - |
| 01101213 | Communication skills in Arabic language | 3 | 01101111 |
| 01101214 | Communication skills in English language | 3 | 01101112 |
| 01101243 | Public safety and first aid | 3 | - |
| 01101281 | Scientific Research Methods | 3 | - |
| 01101282 | Introduction to Astronomy | 3 | - |
| 03011101 | Law in our Life | 3 | - |
| 03021201 | Human Rights | 3 | - |

Third: Faculty Requirements - (21) Credit Hours:

| C # | Course Title | Hrs | Pre. |
|----------|--------------------------|-----|----------|
| 11021101 | General Physics (1) | 3 | - |
| 11031101 | Calculus (1) | 3 | - |
| 06051110 | Programming Methodology | 3 | - |
| 06051200 | Discrete Mathematics | 3 | - |
| 06051220 | Logic Design | 3 | 11021101 |
| 06051211 | Programming Fundamentals | 3 | 06051110 |
| 06032102 | Data Structures | 3 | 06051211 |

* None Jordanian students can enroll in this course or choose any other university course.

** Students must take pre-courses in the case of failure in the following Pre-exams:

Pre-Arabic Language (01100011),

Pre-English Language (01100012)

Pre-Computer Skills (01100051)

Fourth: Department Requirements – (87) Credit Hours, distributed as the following:

A. Compulsory Requirements (66) Credit Hours:

| C # | Course Title | Hrs | Pre. |
|----------|---|-----|--------------|
| 06012232 | Information systems analysis and design | 3 | 06032112 |
| 06032112 | Object Oriented Paradigm | 3 | 06051211 |
| 06012201 | Algorithms | 3 | 06032102 |
| 06032122 | Computer Architecture | 3 | 06051220 |
| 06033113 | Visual Programming | 3 | 06032112 |
| 06013214 | Web Design (1) | 3 | 06032112 |
| 06014115 | Web Design (2) | 3 | 06013214 |
| 06013130 | Databases | 3 | 06012201 |
| 06083223 | Operating System | 3 | 06032122 |
| 06052221 | Computer Organization and Design | 3 | 06032122 |
| 06032250 | Software Engineering Fundamental | 3 | 06032112 |
| 06052153 | Computation Theory | 3 | 06051200 |
| 06013175 | Simulation and modeling | 3 | 11031230 |
| 06013256 | Smart Phone Programming | 3 | 06033113 |
| 06042150 | Information Security | 3 | 11031230 |
| 06013176 | Artificial Intelligence | 3 | 06012201 |
| 06054158 | Compiler Design | 3 | 06052153 |
| 06022157 | Computer Graphics | 3 | 06051211 |
| 06054190 | Practical Training-CS | 3 | Pass 90 hrs. |
| 06054191 | Graduation Project-CS | 3 | Pass 90 hrs. |
| 06043162 | Networks & Servers Programming | 3 | 06082140 |
| 06082140 | Computer Networks | 3 | 06051220 |

B. Selective Requirements: (9) Credit Hours:

| C # | Course Title | Hrs | Pre. |
|----------|-------------------------------|-----|----------------|
| 06013231 | Database Systems Management | 3 | 06013130 |
| 06014254 | Information Systems Retrieval | 3 | 06013130 |
| 06033274 | Human Computer Interface | 3 | 06033113 |
| 06043273 | Advanced Programming | 3 | 06033113 |
| 06033172 | Programming Mathematics | 3 | 06032112 |
| 06053273 | Expert System | 3 | 06013176 |
| 06023259 | Image Processing | 3 | 06052253 |
| 06043141 | Wireless Networks | 3 | 06082140 |
| 06034259 | Software Projects Management | 3 | 06032250 |
| 06014171 | Selected Topics (1) | 3 | Dept. Approval |
| 06014272 | Selected Topics (2) | 3 | Dept. Approval |

C. Supportive Requirements (12) Credit Hours:

| C # | Course Title | Hrs | Pre. |
|----------|------------------------------|-----|----------|
| 11031230 | Statistics and Probabilities | 3 | 11031101 |
| 06052253 | Numeric Analysis | 3 | 11031101 |
| 11021202 | Physics (2) | 3 | 11021101 |
| 11011101 | Chemistry (1) | 3 | - |

Fifth: Free subject: (3) Credit Hours chosen from the courses offered by the University.