



First: University Requirements: 27 Credit Hours

1) Compulsory University Requirements: 12 Credit Hours

| Course No. | Course Title | CR | Prerequisite | Exception |
|------------|---|----|--------------|----------------|
| 0121181 | English Language Communication Skills (1) | 3 | 0171100 | - |
| 0161101 | Arabic Language Communication Skills (1) | 3 | 0161100 | - |
| 0161200 | Military Sciences | 3 | - | Non-Jordanians |
| 0161201 | National Education | 3 | - | - |

2) Elective University Requirements: 15 Credit Hours

A) Humanities: 6 Credit Hours

| Course No. | Course Title | CR | Prerequisite | Exception |
|------------|---|----|--------------|--------------|
| 0152102 | English Language Communication Skills (2) | 3 | 0121181 | - |
| 0161300 | Islamic Culture | 3 | - | - |
| 0162102 | Arabic Language Communication Skills (2) | 3 | 0161101 | - |
| 0162301 | History of Jordan and Palestine | 3 | - | - |
| 0411100 | Human Rights | 3 | - | Law Students |

B) Social and Economic Sciences: 6 Credit Hours

| Course No. | Course Title | CR | Prerequisite | Exception |
|------------|----------------------------|----|--------------|---------------------------|
| 0132200 | Psychology and Life | 3 | - | Psychology Students |
| 0143301 | Entrepreneurship | 3 | - | - |
| 0162302 | Media and Public Relations | 3 | - | - |
| 0561500 | Tourism and Archaeology | 3 | - | Hotels & Tourism Students |

C) Sciences, Technology, and Health: 3 Credit Hours

| Course No. | Course Title | CR | Prerequisite | Exception |
|------------|---------------------------------|----|--------------|-----------|
| 0161303 | Sport and Health | 3 | - | - |
| 0162305 | Environmental and Public Safety | 3 | - | - |
| 0162306 | Science and Life | 3 | - | - |

Community Service is a mandatory graduation requirement (10 hours of service).

This prerequisite must be successfully passed. *

Second: Faculty Compulsory Requirements: 33 C. H.

| Course No. | Course Title | CR | Prerequisite | Corequisite |
|------------|-------------------------------|----|--------------|-------------|
| 0111101 | Mathematics (1) | 3 | - | - |
| 0111202 | General Physics (1) | 3 | - | - |
| 0111203 | General Physics (2) | 3 | 0111202 | - |
| 0111204 | General Physics Lab. | 1 | - | 0111202 |
| 0112102 | Mathematics (2) | 3 | 0111101 | - |
| 0811201 | Computer Skills (Engineering) | 3 | 0331200 | - |
| 0812101 | Technical Writing | 1 | 0121181 | - |
| 0812102 | Engineering Ethics | 1 | 0121181 | - |
| 0832103 | Engineering Mathematics (1) | 3 | 0112102 * | - |
| 0832104 | Engineering Mathematics (2) | 3 | 0112102 | - |
| 0832107 | Engineering Statistics | 3 | 0111101 | - |
| 0833105 | Numerical Analysis | 3 | 0112102 | - |
| 0871101 | Engineering Workshop | 1 | - | - |
| 0871102 | Engineering Drawing | 2 | - | - |

Third: Major Requirements: 100 Credit Hours

A) Compulsory Major Requirements: 47 Credit Hours

| Course No. | Course Title | CR | Prerequisite | Corequisite |
|------------|--------------------------------------|----|----------------|-------------|
| 0822201 | Electronics (1) | 3 | 0111203 | - |
| 0822202 | Electronics (1) Lab. | 1 | - | 0822201 |
| 0823203 | Electronics (2) | 3 | 0822201 | - |
| 0823204 | Electronics (2) Lab. | 1 | - | 0823203 |
| 0823207 | Digital Electronics | 3 | 0823203 | - |
| 0823208 | Digital Electronics Lab. | 1 | - | 0823207 |
| 0823501 | Signals and Systems | 3 | 0112102 | - |
| 0823101 | Probability and Random Processes | 3 | 0112102 | - |
| 0823502 | Analog Communications | 3 | 0823501 * | - |
| 0823503 | Analog Communications Lab. | 1 | - | 0823502 |
| 0824504 | Digital Communications | 3 | 0823502 | - |
| 0824505 | Digital Communications Lab. | 1 | - | 0824504 |
| 0824507 | Digital Signal Processing | 3 | 0823501 * | - |
| 0825210 | Communication Electronics | 3 | 0824504 | - |
| 0825211 | Optical Communication Electronics | 3 | 0823203 | - |
| 0825508 | Mobile Communication Systems | 3 | 0824504 | - |
| 0825509 | Communications and Computer Networks | 3 | 0823501 | - |
| 0824901 | Field Training | 3 | Passing 110 CR | - |
| 0825902 | Graduation Project (1) | 1 | Passing 120 CR | - |
| 0825903 | Graduation Project (2) | 2 | 0815902 | - |

B) Ancillary Major Requirements: 47 Credit Hours

| Course No. | Course Title | CR | Prerequisite | Corequisite |
|------------|---|----|--------------|-------------|
| 0812401 | Digital Logic Circuits | 3 | - | - |
| 0812402 | Digital Logic Circuits Lab. | 1 | - | 0812401 |
| 0813405 | Microprocessors | 3 | 0812401 | - |
| 0814407 | Embedded Systems | 3 | 0813405 | - |
| 0814415 | Microprocessors and Embedded Systems Lab. | 1 | 0814407 | - |
| 0814104 | Discrete Mathematics | 3 | 0832104 | - |
| 0833108 | Numerical Analysis Lab. | 1 | 0833105 | - |
| 0872301 | Electric Circuits (1) | 3 | 0111202 | - |
| 0872302 | Electric Circuits (2) | 3 | 0872301 * | - |
| 0872303 | Electric Circuits Lab. | 1 | - | 0872302 |
| 0872304 | Electromagnetics | 3 | 0111203 | - |
| 0873305 | Electrical Machines | 3 | 0872302 | - |
| 0874306 | Electrical Machines Lab. | 1 | - | 0873305 |
| 0873308 | Instrumentation and Measurements | 3 | 0822201 | - |
| 0873309 | Instrumentation and Measurements Lab. | 1 | - | 0873308 |
| 0874106 | Engineering Economy and Management | 3 | 0111101 | - |
| 0874209 | Power Electronics | 3 | 0822201 | 0823501 |
| 0874310 | Electrical Power Systems (1) | 3 | 0873305 | - |
| 0874311 | Power and Power Electronics Lab. | 1 | - | 0874310 |
| 0874312 | Control Systems | 3 | 0823501 | - |
| 0875313 | Control Systems Lab. | 1 | - | 0874312 |

C) Elective Major Requirements: 6 Credit Hours

| Course No. | Course Title | CR | Prerequisite | Corequisite |
|------------|-----------------------------------|----|--------------|-------------|
| 0825212 | Selected Topics in Electronics | 3 | - | - |
| 0825511 | Antennas and Wave Propagation | 3 | 0872304 | - |
| 0825512 | Microwave Engineering | 3 | 0872304 | - |
| 0825513 | Information Theory and Coding | 3 | 0824504 | - |
| 0825514 | Radar Engineering | 3 | 0824504 | - |
| 0825515 | Selected Topics in Communications | 3 | - | - |

Fourth: Remedial Requirements (for students who have not passed the Level Exam)

| Course No. | Course Title | CR | Prerequisite |
|------------|-----------------------------|----|--------------|
| 0161100 | Arabic Language (Remedial) | 3 | - |
| 0171100 | English Language (Remedial) | 3 | - |
| 0331200 | Computer Skills (Remedial) | 3 | - |



Ref.: Deans' Council Session (09/2014-2015), Decision No: (06)

Date: 4,6/11/2014

