

Degree Requirement (163) CH.

1. University Requirements (27 CHs):

1-a) Prerequisite Requirements (9 CHs):

Subject Number	Subject	CH	Prerequisite
0304096	Computer Skills Exam	0	-
0304099	Computer Skills (99)	3	0304096
1801096	Arabic Language Exam	0	-
1801099	Arabic Language (99)	3	1801096
1802096	English Language Exam	0	-
1802099	English Language (99)	3	1802096

1-b) University Compulsory Requirements Courses (12 CHs):

Subject Number	Subject	CH	Prerequisite
0101171	Military Science	3	-
0605105	National Education	3	-
1801101	Arabic Language (1)	3	1801099
1802101	English Language (1)	3	1802099

1-c) University Optional Requirements Courses- First Field (6 CHs):

Subject Number	Subject	CH	Prerequisite
0201102	Arabic Language (Literary Tasting)	3	-
0209101	French Language (1)	3	-
0209103	Spanish Language (1)	3	-
0209107	Italian Language(1)	3	-
0500100	Islamic Culture	3	-
0500103	Human Right in Islam	3	-
0706100	Law In our Lives	3	-
0803101	Educational Principles	3	-
0801103	Enviormental Education	3	-
0809101	Principles of Physology	3	-
1301100	Principles of Physical Education	3	-
1802102	English Language (2)	3	1802101

1-d) University Optional Requirements Courses- Second Field (6 CHs):

Subject Number	Subject	CH	Prerequisite
1601104	Introduction to Domestic Violence	3	-
0602104	Geography of Jordan	3	-
1603102	Tourism in Jordan	3	-
1603103	Archologies of Jordan and Palestine in Ancient Times	3	-
1604102	Islamic Civilization	3	-
1604104	Jourisalm in Arabic and Iislamic Hitory	3	-
1605101	Introduction to politics science	3	-
1900100	Work Ethics	3	-
1901102	Developing innovative work skills	3	-
1901103	Developing the skills of preparing and writing administrative reports	3	-
1901104	Managerial skills	3	-
1902101	Fundamentals of Management (Non-Management Students)	3	-
1904100	Introduction to Economics (Non-Management Students)	3	-

1-e) University Optional Requirements Courses- Third Field (3 CHs):

Subject Number	Subject	CH	Prerequisite
0304112	Computer Skills(2)	3	0304099
0307110	Libraries and Information	3	-
0401121	General Electricity Principles	3	-
0402120	Principles in Automotive Mechanics and Maintenance	3	-
0403120	Traffic Safety	3	-
0405121	Principles of computer operation and maintenance	3	-
1101108	Ornamental plants and home garden	3	-
1401100	Health culture	3	-

2.Faculty Compulsory Requirements Courses (29 CHs):

Subject Number	Subject	CH	Prerequisite
0301101	Calculus (1)	3	-
0301102	Calculus (2)	3	0301101
0301203	Ordinary Differential Equation	3	0301102
0302101	General Physics (1)	3	-
0302102	General Physics (2)	3	0302101
0302111	General Physics laboratory (1)	1	0302101
0302112	General Physics laboratory (2)	1	0302102 or with
0303101	General Chemistry (1)	3	-
0303105	General Chemistry Laboratory (1)	1	0303101 or with
0402110	Engineering Workshop	1	-
0403198	Engineering Drawing	2	-
0403209	Computer Drawing by computer	1	-
0403302	Engineering Economy	3	-
0404200	Communication Skills	1	-

2.Faculty Compulsory Requirements Courses (29 CHs):

Subject Number	Subject	CH	Prerequisite
0301101	Calculus (1)	3	-
0301102	Calculus (2)	3	0301101
0301203	Ordinary Differential Equation	3	0301102
0302101	General Physics (1)	3	-
0302102	General Physics (2)	3	0302101
0302111	General Physics laboratory (1)	1	0302101
0302112	General Physics laboratory (2)	1	0302102 or with
0303101	General Chemistry (1)	3	-
0303105	General Chemistry Laboratory (1)	1	0303101 or with
0402110	Engineering Workshop	1	-
0403198	Engineering Drawing	2	-
0403209	Computer Drawing by computer	1	-
0403302	Engineering Economy	3	-
0404200	Communication Skills	1	-

3.Depatement Compulsory Requirements Courses (54 CHs):

Subject Number	Subject	CH	Prerequisite
0405112	Engineering programmin	3	0301102
0401204	Probability Theory and Random Processes	3	0301102
0401208	Signals and Systems	3	0301102
0401211	Electric Circuits (For Computer Engineering)	3	0302102
0401219	Electric Circuits and Filters Lab	1	0401211
0401261	Electronics (for Computer Engineering)	3	0401211

0401368	Electronics Lab	1	0401261
0405212	Numerical Analysis	3	0301203
0405213	Discrete Mathematics	3	0301102
0405271	Digital Systems Design	3	0401261
0405272	Digital Systems Design Lab	1	0405271
0405273	Microprocessor Systems Desgin	3	0405272
0405274	Microprocessor Systems Design Lab	1	0405273
0405275	Computer Controlled Systems	3	0405271
0405324	Communications and Data Transmission	3	0401208
0405335	Computer Operating Systems	3	0405112
0405342	Object-Oriented programming	3	0405112
0405343	Object-Oriented programming lab	1	0405342
0405374	Computer Organizations and Design	3	0405273
0405375	Computer Organizations and Design Lab	1	0405374
0405441	Data Structures	3	0405342
0405550	Fundamental of DataBase Systems	3	0405342

4.Speciality Compulsory Requirements Courses (44 CHs):

Subject Number	Subject	CH	Prerequisite
0405377	Introduction to UNIX	3	0405335
0405422	Computer Networks	3	0405324
0405430	Simulation and Modeling	3	0401204
0405431	Wireless Computer Networks	3	0405422
0405432	Cryptographic and cryptographic algorithms	3	0405422
0405433	Introduction to Cyber Security	3	0405432
0405520	Network Programming	3	0405434
0405521	Advanced Computer Networks	3	0405520
0405522	Computer Networks Lab	1	0405521
0405524	Cloud Computing	3	0405521
0405537	Computer and Network Security	3	0405521
0405538	Computer and Network Security Lab	1	0405537
0405539	Information Security	3	0405537
0405555	Biometric Engineering	3	0401204
0405580	Training	3	-
0405593	graduation Project(1)	0	-
0405594	graduation Project(2)	3	0405593

5.Speciality Optional Requirements Courses (9 CHs):

Subject Number	Subject	CH	Prerequisite
0405344	Web Design Principles	3	0405343
0405433	Multimedia Systems Networks	3	0405431
0405434	Network Management	3	0405431
0405437	Selected Topics in Computer Engineering	3	-
0405474	Workshop on Computer Maintenance and Operation	3	0405374
0405534	Computer Systems Administration	3	0405335
0405540	High Speed Networks	3	0405524
0405541	Multimedia Systems	3	0405335
0405552	Neural network	3	0405521
0405554	Biomedical Engineering	3	-
0405557	Digital Design with VHDL	3	0405271
0405558	Electronic Commerce	3	0405537
0405559	Software Security	3	0405539
0405560	Wireless Network Security	3	0405432

