



**First: University Requirements (24) Credit hours.**

**1) Mandatory Courses (15) credit hours, include the following subjects**

Code	No.	Course Name	C.H.	Prerequisite
MS103	0100103	Military Science*	3	-
ARB110	1401110	Arabic Language I**	3	1401099
HSS116	1401116	Islamic Education	3	-
ENG120	1401120	English Language I**	3	1401098
HSS150	1401150	National Education	3	-

**2) Elective Courses:(9) credit hours, selected from the following subjects:**

	402104	Entrepreneurship in Business	3	-
	501114	Palestinian cause and Contemporary Arab History	3	-
	1211110	Art Education	3	-
	1401111	Introduction to Library Science	3	-
	1401117	Islam and Contemporary Issues	3	-
	1401118	Ethics in Islam	3	-
	1401126	Human Rights	3	-
	1401130	Sports and Health	3	-
	1401131	Introduction to Sociology	3	-
	1401132	Man and Environment	3	-
	1401133	Introduction to Psychology	3	-
	1401151	Campus Life Ethics	3	-
	1401210	Arabic Language II	3	ARB110
	1401220	English Language II	3	ENG120
	1401221	Foreign Languages	3	-
	1501113	Arab and Muslim Sciences	3	-
	1501126	First Aid	3	-
	1501127	Green Energy	3	-
	1501128	Communication and Social Media Technology	3	-
	1501153	Nutrition in Health and Illness	3	-
	1501154	Health Education	3	-
	1501161	Digital Societies	3	-

**Second: Faculty Requirements (25) credit hours**

MATH110	1501110	Calculus I	3	-
EE112	0810112	Calculus II	3	MATH110
PHYS120	1501120	General Physics I	3	-
PHYS220	1501220	General Physics II	3	PHYS120
PHYS121	1501121	General Physics Lab I	1	PHYS120***
PHYS221	1501221	General Physics Lab II	1	PHYS220***
EE201	0810201	Computer Skills II	3	Passing Test
ME107	0802107	Engineering Workshop	1	-
IE323	0803323	Economy & Eng. Management	3	Pass 45 Hrs.
CE107	0805107	Engineering Drawing	1	-
CE203	0805203	Ethics & Technical Writing	2	ENG120
PE201	0809201	Renewable Energy Applications & Sustainability	1	-

**Third: Department Requirements (111) credit hours**

**A- Mandatory Courses (82) credit hours**

EE202	0810202	Engineering Application lab.	1	EE201
EE203	0810203	Advanced Eng. Math I	3	EE112
EE215	0810215	Electronics	3	PE211
EE220	0810220	Engineering Analysis	3	EE112
EE222	0810222	Electromagnetics	3	PHYS220+EE220
EE250	0810250	Object Oriented Programming	3	EE201
EE251	0810251	Object Oriented Programming Lab	0	EE250***
EE271	0810271	Logic Circuits Design	3	EE201
EE272	0810272	Logic Circuits Design Lab	1	EE271
EE302	0810302	Numerical Analysis	3	EE201
EE312	0810312	Electronics Lab	1	EE215
EE340	0810340	Signals and Systems Analysis	3	EE203
EE344	0810344	Prob. & Random Variables	3	EE340***
EE367	0810367	Microprocessor & Computer Arch.	3	EE271

Code	No.	Course	C.H.	Prerequisite
		Name		
EE368	0810368	Microprocessor & Computer Arch. Lab.	3	EE367
EE411	0810411	Digital Electronics	3	EE215
EE412	0810412	Digital Electronics Lab	1	EE411
EE370	0810370	Communications	3	EE340
EE371	0810371	Communications Lab	1	EE370
EE443	0810443	Digital Communications	3	EE370
EE444	0810444	Digital Communications Lab	1	EE443+EE371
EE480	0810480	Embedded Systems	3	EE367
EE481	0810481	Embedded Systems Lab	1	EE480
EE475	0810475	Comm. & Computer Networks	3	EE370
EE476	0810476	Comm. & Computer Networks Lab.	1	EE475
EE510	0810510	Security Systems & Cryptography	3	EE475
EE470	0810470	Antennas & Wave Propagation	3	EE222
EE471	0810471	Antennas & Wave Propagation Lab.	1	EE470
EE532	0810532	Wireless & Mobile Communications	3	EE443
EE547	0810547	Fiber Optic Communications	3	EE370+EE222
EE490	0810490	Artificial Intelligence & Machine Learning	3	EE250
EE545	0810545	Communication Electronics	3	EE443
EE562	0810562	Operating Systems and Security	3	EE367
EE585	0810585	Project I	1	Dept. Approval
EE587	0810587	Project II	2	EE585
EE589	0810589	Field Training	3	Dept. Approval

**B- Elective Courses (9) credit hours**

EE420	0810420	Database Systems	3	EE250
EE511	0810511	Protocols & Network Programming	3	EE475
EE512	0810512	Digital Image Processing	3	EE340
EE513	0810513	Wireless Internet of Things.	3	EE475
EE535	0810535	Information Theory and Coding	3	EE443
EE543	0810543	Digital Signal Processing	3	EE340
EE548	0810548	Satellite Communication Systems	3	EE443
EE549	0810549	Microwave Engineering	3	EE470
EE565	0810565	Software Engineering	3	EE250
EE586	0810586	Neural Networks and Fuzzy logic	3	EE201
EE593	0810593	Special Topics in Electrical Eng.	3	Dept. Approval

**C- Support Mandatory Courses from other departments (20) credit hours**

PE204	0809204	Discrete Math and Linear Algebra	3	EE112
PE211	0809211	Electric Circuits I	3	EE112+PHY220
PE212	0809212	Electric Circuits II	3	PE211
PE213	0809213	Electric Circuits Lab	1	PE212***
PE325	0809325	Machines and Electrical Power	3	PE212
PE451	0809451	Automatic Control Systems	3	EE340
PE452	0809452	Automatic Control Systems Lab	1	PE451
CHEM130	1501130	General Chemistry	3	-

**\*Non-Jordanian students may take any subject offered instead of Military Science.**

**\*\*All students must take a skill level test in Arabic and English languages. Students failing any of the tests shall register for a remediation course in the subject they failed which will be outside their study plan.**

**\*\*\*simultaneously with**

**\*\*\*\* Student has to fulfill the requirements for community service.**

**C.H. : Credit Hour**