

student's name :

Student ID:

Second: College requirements: Compulsory requirements (26 cm)					
P	P	pre-requisite	cm	Subject Name	Article number
		---	3	Calculus 1	0300101
		0300101	3	Calculus 2	0300102
		---	3	General Physics 1	0300121
		0300121	1	Process Physics 1	0302111
		0300121	3	General Physics 2	0300122
		0300122	1	Process Physics 2	0302112
		---	3	General Chemistry 1	0300131
		0300131	1	General chemistry process 1	0300133
		Year level (4)	3	Engineering economics and management	0906402
		---	3	Computer Programming 1	1501110
		---	1	An introduction to engineering and professional ethics	0902100
		---	2	Engineering Drawing	0905103
		---	1	Engineering workshops 1	0905100
		0200103	2	Technical writing and communication skills	0904306
Third: Specialized Requirements: (107) A) Compulsory Requirements: (98)					
P	P	pre-requisite	cm	Subject Name	Article number
		0300102	3	Engineering mathematics	0904201
		0300102	3	Statistics and probabilities for engineering students	0902200
		0300121	3	Static	0902221
		0300122	3	Electrical circuits for power engineering	0906200
		0906200	3	Power engineering electronics	0906201
		0906201	1	Power Engineering Circuits and Electronics Lab	0906202
		0906200	3	Electromechanical machines	0904360
		0904360	1	Electrical machinery laboratory	0904366
		0905201	3	Numerical Analysis	0904304
		0300102	3	Advanced Mathematics Engineering	0905201
		0902221	3	Mechanics of materials	0905213
		0902221	3	Dynamics	0905311
		0300121	3	Thermodynamics	0906301
		0905311	3	Fluid Mechanics (1)	0905341
		0905341	1	Fluid Mechanics Lab	0905440
		0906301	3	heat transfer	0906401

First: University requirements (27 CM) (A) Compulsory requirements (15 CM)					
P	P	pre-requisite	cm	Subject Name	Article number
		--	3	Military science	0200100
		--	3	Arabic Language (1)	0200102
		--	3	English Language (1)	0200103
		--	3	National Education	0200104
		3	Islamic culture and contemporary issues	0200111
(B) Elective Requirements (12 C.M)					
From the following fields, so that the student studies at least one subject from each field					
The field of human sciences					
		Except for students of the Faculty of Arts	3	Arabic Language (2)	0200112
			3	Jerusalem: History and Civilization	0200114
		Except for students of the Faculty of Arts	3	History of Jordan and Palestine	0200113
The field of social sciences					
		Except for students of the College of Educational Sciences	3	Principles of pedagogy	0200122
		Except for law school students	3	Principles of law science	0200125
			3	Principles of Communication Science	0200126
			3	College student ethics	0200127
The field of technology and health					
		Except for students of the Faculty of Science and Information Technology	3	computer skills	0300152
			3	Principles of Astronomy	1003301
			3	Scientific culture	1003302
			3	Principles of Ecology	1007010
			3	first aid	1008101
			3	Principles of public health	0300146

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Elective Requirements (9 cm)					
P	P	pre-requisite	cm	Subject Name	Article number
		0905341+0906301	3	Turbines (turbines)	0905541
		0906550	3	Solar photovoltaic systems	0906554
		0906550	3	Solar PV system design	0906555
		0906523	3	Green building design	0906556
		0906451	3	Wind power system design	0906557
		0905341+0905455	3	Geothermal energy systems	0906558
		0906351	3	Fuel cell and hydrogen production technology	0906561
		0906351	3	Bioenergy systems	0906532
			3	Special topics in energy engineering	0906582
		---		Air conditioning and cooling systems	---
		0906410	3	Atomic Energy	0906411
		---	3	Energy transmission and storage systems	--
		0300102	3	Engineering economics and management	0906302

Note: The new student must pass the catch-up exam for the subject (Arabic language, English language, computer skills)

****** To register the graduation project, the student must pass 120 credit hours.

Field Training: The training period is eight continuous weeks after the student completes 115 credit hours

At least inside Jordan or six continuous weeks outside Jordan in one of the accredited institutions, and it is considered a condition for the student's graduation

كلية الهندسة التكنولوجية
قسم هندسة الطاقة



2018 /6/25

		0906401	1	Heat Transfer Lab	0905458
		0906201	3	Measurements and sensors	0906421
		0906421	3	Control and protection for power systems	0906422
		0906422	1	Energy Systems Measurement and Control Lab	0906423
		0904360	3	Electric power systems	0906320
		0906201	3	Power electronics	0904428
		0904428	1	Power Electronics Lab	0904429
		0906431	3	Renewable Energy (1)	0906351
		0902200	3	Simulation and prediction	0906370
		0906370	1	Simulation Lab	0906371
		---	1	Software Lab in Power Engineering	---
			3	Energy engineering training	0906000
		0300122	3	Atomic interactions	0906410
		0905341	3	Renewable Energy (2): Wind Energy	0906410
		0906451	1	Wind Energy Lab	0906452
		0303101	3	Energy and the environment	0906431
		0906431	3	Energy Economics and Management	0906440
		0906320	3	Renewable Energy (3): Photovoltaic Energy	0906550
		0906550	1	Solar Energy Lab	0906551
		0906451+0906550	3	Energy efficient design	0906523
		0905455	3	Thermal power stations	0906530
		0906530	1	Thermal Power Plants Laboratory	0906531
		0906444	1	Graduation Project (1) for Energy Engineering	0906580
		0906580	3	Graduation Project (2) for Energy Engineering	0906581