



Total Credit Hours (160) Hrs.

First: University Requirements (27) Cr. Hr.

A. First Field: University Compulsory Requirements: (18) Cr. Hr.

Course No.	Course Title	Cr. Hrs	Prerequisite	Kind of Learning
115001	Military Science *	3	---	ONLINE
116101	National Education	3	---	ONLINE
116102	Entrepreneurship, Innovation, and Leadership skills	3	---	ONLINE
116103	Communication and Contact Skills (Arabic Language)	3	116099	Physical
116107	Communication and Contact Skills (English Language 1)	3	116098	Physical
116108	Communication and Contact Skills (English Language 2)	3	116107	Physical
116109	Voluntary Community Service	0	---	ONLINE

* Compulsory for Jordanian Students

B. University Elective Courses (9) Cr. Hr.

The student studies 9 credit hours from the table below:

Course No.	Course Title	Cr. Hr.	Prerequisite	Kind of Learning
116105	Thinking Skills	3	---	Blended
116106	Economic Culture	3	---	Blended
116111	Language Skills (1) (European or Eastern languages)	3	---	Blended
116112	Language Skills (2) (European or Eastern languages)	3	116111	Blended
116114	Introduction to Project Management	3	---	Blended
116133	Human Vision & Civilization 1	3	---	Blended
116140	Human Rights	3	---	Blended
116143	Legal Culture	3	---	Blended
216102	Data Analysis Skills	3	---	Blended
216104	Digital Culture	3	---	Blended
216105	Health Culture	3	---	Blended

Notes: -

All students must take level examinations in Arabic Language, English language and Computer skills. Student who fails to pass in any examinations (less than 50 %) must successfully pass the remedial course which He / She did not pass.

Codes used in Curriculum:

- (610) Electrical Eng. (620) Mechanical Eng.
(611) Renewable Energy Eng. (615) Alternative Energy Technology
(640) Mechatronics Eng. (650) Communications & Electronics Eng. (670) Civil Eng.

Second: Faculty Requirements: (24) Cr. Hr.

Course No.	Course Title	Cr.Hr.	Prerequisite	Kind of Learning
216111	Calculus (1)	3	---	Physical
250102	Calculus (2)	3	216111	Physical
216131	General Physics (1)	3	---	Physical
216132	General Physics (2)	3	216131	Blended
620130	Manual Engineering Drawing	1	---	Physical
620132	Computer Engineering Drawing	1	620130	Physical
620171	Engineering Workshop (1)	1	---	Physical
610263	Programming Language	3	216099	Blended
640263	Engineering Skills	3	116108	ONLINE
610550	Entrepreneurship	3	640263	ONLINE

Third: Department Requirements (109) Cr.Hrs.

A. Compulsory Requirements: (77) Cr.Hrs.

Course No.	Course Title	Cr.Hr.	Prerequisite	Kind of Learning
670231	Engineering Geology	3	250102	ONLINE
670211	Statics	3	250102 + 216131	Physical
670212	Strength of Materials	3	620212	Physical
670213	Strength of Materials Lab.	1	670212 *	Physical
670214	Construction Materials	3	250102	Blended
670216	Construction Materials Lab.	1	670214 *	Physical
670217	Building Construction & Civil Drawing	3	670214	Blended
670331	Soil Mechanics	3	670231	Blended
670332	Soil Mechanics Lab.	1	670331 *	Physical
670312	Structures (1)	3	670212	Physical
670312	Structures (2)	3	670311	Physical
670324	Highways Geometric Design	3	670261	Physical
670323	Pavement Design	3	670324	Physical
670322	Design of Highways lab.	1	670323 *	Physical
670411	Reinforced Concrete -1	3	670311	Physical
670412	Reinforced Concrete -2	3	670411	Physical
670414	Steel Structures	2	670312	Physical
670422	Transportation & Traffic Engineering	2	670324	Physical
670261	Surveying	3	250102	Physical
670262	Surveying Lab.	1	670261 *	Physical
670571	Project Management	3	670412	Blended
670572	Specifications, Contracts & Quantity Surveying	3	670412	Physical

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Student Name: _____
Student No : _____
Academic Advisor: _____

Course No.	Course Title	Cr.Hrs.	Prerequisite	Kind of Learning
670441	Hydraulics	3	670381	Physical
670541	Hydrology	3	670441	Blended
670442	Hydraulics Lab.	1	670441 *	Physical
670444	Sanitary Engineering Lab.	1	670443 *	Physical
670531	Foundations Engineering	3	670331	Physical
670499	Engineering Training (**)	3	115 Cr. H.	Physical
670551	Engineering Project - 1	1	100 Cr. H.	Physical
670552	Engineering Project - 2	2	670551 + 670499	Physical
670381	Fluid Mechanics	3	670211	Physical
670443	Sanitary Engineering	3	670381	Blended

B. Compulsory Support Requirements: (23) Cr. Hr.

Course No.	Course Title	Cr.Hr.	Prerequisite	Kind of Learning
216141	General Chemistry (1)	3	---	Physical
216143	General Chemistry (1) Lab.	1	216141*	Physical
250202	Calculus (3)	3	250102	Physical
250205	Linear Algebra and Vector Calculus	3	250102	Blended
610262	Engineering Analysis (2)	3	250205	Blended
620172	Engineering Workshop (2)	1	620171	Physical
620212	Dynamics	3	670211	Physical
650260	Engineering Analysis (1)	3	250102	Blended
670203	Engineering Statistics	3	650260	Blended

C. Elective Requirements: (9) Cr. Hr.

Course No.	Course Title	Cr.Hrs.	Prerequisite	Kind of Learning
670517	Restressed Concrete	3	670412	Blended
670343	Environmental Engineering	3	216141+670444	Blended
670553	Special Topics in Civil Engineering	3	Dept. Approval	Blended
670522	Airports & Railways Engineering	3	670422	Blended
670554	Computer Applications in Civil Engineering	3	120 Cr. H.	Blended
670555	Fundamentals of Finite Element	3	120 Cr. H.	Blended

(*) Concurrent
(**) Seven Weeks (280 hours) of Training after completing (115) Cr.Hrs.

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12/11/2023
PHILADELPHIA UNIVERSITY
FACULTY OF ENGINEERING & TECHNOLOGY
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