

Advisory Study Plan for the Academic Year 2019/2020

Faculty: Engineering

Department: Civil Engineering

1 st Year/ First Semester			
Course No.	Course Title	Credit Hours	Prerequisite
A011101	Mathematics (1)	3	-
A011201	General Physics (1)	3	-
A011203	General Physics Lab.	1	Φ A011201
A0161101	Arabic Communication Skills	3	A0161100
A0161301	National Education	3	-
A0811202	Engineering Workshop	1	-
A0831201	Engineering Drawing	2	-
Total		16 Cr.H.	

1 st Year/ Second Semester			
Course No.	Course Title	Credit Hours	Prerequisite
A011102	Mathematics (2)	3	A011101
A011202	General Physics (2)	3	A011201
A0161201	English Communication Skills	3	A0161200
A0811201	Computer Skills (Engineering)	3	A0331700
A0111301	General Chemistry	3	-
-	Elective University Requirement	3	-
-	-	-	-
Total		18 Cr.H.	

2 nd Year/ First Semester			
Course No.	Course Title	Credit Hours	Prerequisite
A0862401	Statics	3	A0111201
A0862303	Surveying	3	A0111101
A0862304	Surveying Lab.	1	Φ A0862303
A0862301	Engineering Geology	3	A0161201
A0832101	Differential Equations	3	* A0111102
A0111302	General Chemistry lab.	1	Φ A0111301
-	Elective University Requirement	3	-
Total		16 Cr.H.	

2 nd Year/ Second Semester			
Course No.	Course Title	Credit Hours	Prerequisite
A0862402	Strength of Materials	3	* A0862401
A0112101	Linear Algebra	3	A0111102
A0862501	Concrete Technology	3	A0862301
A0862502	Concrete Technology Lab.	1	Φ A0862501
A0862302	Engineering Materials Science	3	A0862301
-	Elective University Requirement	3	-
-	-	-	-
Total		17 Cr.H.	

3 rd Year/ First Semester			
Course No.	Course Title	Credit Hours	Prerequisite
A0863801	Geotechnical Engineering	3	*A0862402
A0863802	Geotechnical Engineering Lab.	1	Φ A0863801
A0863501	Structural Analysis (1)	3	A0862402
A0833603	Fluid Mechanics	3	A0862401
A0832102	Engineering Statistics	3	A0111101
A0862403	Dynamics	3	A0862401
-	-	-	-
Total		16 Cr.H.	

3 rd Year/ Second Semester			
Course No.	Course Title	Credit Hours	Prerequisite
A0863601	Hydraulics	3	A0833603
A0863602	Fluid Mechanics and Hydraulics Lab.	1	Φ A0863601
A0863703	Geometric and Highway Design	3	A0863701
A0863502	Structural Analysis (2)	3	A0863501
A0863701	Traffic and Transportation Engineering	3	A0862303 *A0832102
A0863702	Traffic and Transportation Engineering Lab.	1	Φ A0863701
-	Elective University Requirement	3	-
Total		17 Cr.H.	

4 th Year/ First Semester			
Course No.	Course Title	Credit Hours	Prerequisite
A0864501	Reinforced Concrete Design (1)	3	A0863501 A0862501
A0864701	Pavement Design	3	A0863701
A0864702	Pavement Design Lab.	1	Φ A0864701
A0864601	Engineering Hydrology	3	A0863601
A0813201	Engineering Economy and Management	3	A0111101
A0833101	Numerical Analysis	3	A0112101
Total		16 Cr.H.	

4 th Year/ Second Semester			
Course No.	Course Title	Credit Hours	Prerequisite
A0865501	Reinforced Concrete Design (2)	3	*A0864501 A0863502
A0864502	Design of Steel Structures	3	A0863502
A0864602	Water, Environmental and Sanitary Engineering (1)	3	A0863601
A0864603	Environmental and Sanitary Engineering Lab.	1	Φ A0864602
A0812201	Communications Skills & professional Ethics	3	A0161201
A0864901	Specifications, Contracts, and Quantity Surveying	3	A0864501
Total		16 Cr.H.	

Summer semester			
Course No.	Course Title	Credit Hours	Prerequisite
A0864902	Field Training	3	A0812201 Pass (115) Cr.H.
Total		3 Cr.H.	

5 th Year/ First Semester			
Course No.	Course Title	Credit Hours	Prerequisite
A0864801	Foundation Engineering	3	A0863801 A0864501
A0865902	Graduation Project (1)	1	* A0864902 Pass Field Training
A0864301	Civil Engineering Drawing	2	* A0831201 A0864501
A0813101	Applied Engineering Mathematics	2	A0833101
-	Elective Major Requirement	3	-
Total		11 Cr.H.	

5 th Year/ Second Semester			
Course No.	Course Title	Credit Hours	Prerequisite
A0865901	Construction Project Management	3	A0864901
A0161401	□ Military Sciences	3	-
A0865903	Graduation Project (2)	2	A0865902
-	Elective Major Requirement	3	-
-	Elective Major Requirement	3	-
Total		14 Cr.H.	

* This prerequisite must be successfully passed before registering the course

Φ Co-requisite

□ Exception (Non-Jordanians)