

Study Plan (2021-2022)

Civil Engineering

FIRST YEAR									
First Semester					Second Semester				
Course			CH	Prerequisite	Course			CH	Prerequisite
Code	No.	Name			Code	No.	Name		
MATH 110	1501110	Calculus I	3	-	EE 112	810112	Calculus II	3	MATH 110
PHYS 120	1501120	General Physics I	3	-	PHYS 220	1501220	General Physics II	3	PHYS 120
PHYS 121	1501121	General Physics Lab I	1	PHYS 120***	PHYS 221	1501221	General Physics Lab II	1	PHYS 220***
CHEM 100	1722100	General Chemistry	3	-	CE 107	805107	Engineering Drawing ◉	1	-
CHEM 101	1722101	General Chemistry Lab	1	CHEM 100**	ENG 124	1401124	Communication skills (English 1) ●	3	**
ARB 123	1401123	Communication skills (Arabic 1) ●	3	**	CE 231	805231	Engineering Geology●	3	CHEM 100
ME 107	802107	Engineering Workshops	1	-					
Total			15		Total			14	
SECOND YEAR									
First Semester					Second Semester				
Course			CH	Prerequisite	Course			CH	Prerequisite
Code	No.	Name			Code	No.	Name		
CE 221	805221	Statics	3	PHYS 120	CE 210	805210	Surveying ◉	3	EE 112
EE 201	810201	Computer Skills ●	3	Passing Skills Test	CE 216	805216	Surveying Lab	1	CE 210***
EE 203	810203	Advance Engineering Mathematics I ◉	3	EE 112	CE 223	805223	Strength of Materials	3	CE 221
CE 203	805203	Technical Writing and Professional Ethics ◉	2	ENG 124	ME 225	802225	Strength of Materials Lab	1	CE 223***
CE 265	805265	Civil Engineering Drawing ◉	3	CE 107	IE 231	803231	Statistics and Probability 1 ◉	3	EE 112
MS 103	100103	Military Sciences* ●	3	-	ME 229	802229	Dynamics for Civil Engineering	3	CE 221
					NE 150	1401150	National Education ●	3	-
Total			17		Total			17	
THIRD YEAR									
First Semester					Second Semester				
Course			CH	Prerequisite	Course			CH	Prerequisite
Code	No.	Name			Code	No.	Name		
CE 320	805320	Materials Science In Construction ◉	3	CHEM 100	CE 324	805324	Structural Analysis II	3	ME 229 + CE 323
CE 321	805321	Materials Science In Construction Lab	1	CE 320***	CE 332	805332	Geotechnical Engineering ◉	3	CE 231
IE 323	803323	Economy and Eng. Management ◉	3	Finish 45 C.H	CE 333	805333	Geotechnical Engineering Lab	1	CE 332***
CE 323	805323	Structural Analysis I	3	CE 223	CE 353	805353	Environmental Engineering I ◉	3	CE 351
CE 341	805341	Highway Design ◉	3	CE 210	CE 458	805458	Environmental Engineering Lab	1	CE 353***
CE 351	805351	Fluid Mechanics	3	CE 221	CE 441	805441	Traffic & Transportation Engineering ◉	3	CE 341 + IE 231
					PE 203	809203	Linear Algebra◉	3	EE 112
Total			16		Total			17	
FORTH YEAR									
First Semester					Second Semester				
Course			CH	Prerequisite	Course			CH	Prerequisite
Code	No.	Name			Code	No.	Name		
CE 424	805424	Reinforced Concrete I	3	CE 323 + CE 265	CE 429	805429	Reinforced Concrete II	3	CE 424 + CE 324
CE 428	805428	Steel Structures	3	CE 323 + CE 265	CE 490	805490	Contracts, Quantity Surveying and Specifications	3	CE 424
CE 454	805454	Hydraulics ◉	3	CE 351	CE 584	805584	Engineering Design Seminar ●	2	Finish 115 C.H + Dept. Approval
CE 457	805457	Hydraulics and Fluid Lab	1	CE 454***	EE 302	810302	Numerical Analysis ◉	3	EE 201
CE 542	805542	Pavement Design	3	CE 441	CE 589	805589	Engineering-Training	3	Finish 115 C.H
CE 543	805543	Pavement Design Lab	1	CE 542***	DE-I		Department Elective Course	3	-
UE-I		University Elective Course ●	3	-					
Total			17		Total			17	
FIFTH YEAR									
First Semester					Second Semester				
Course			CH	Prerequisite	Course			CH	Prerequisite
Code	No.	Name			Code	No.	Name		
CE 533	805533	Foundation Engineering	3	CE 424 + CE 332	CE 587	805587	Graduation Project II	2	CE 585
CE 570	805570	Construction Management	3	CE 490	EE 220	810220	Engineering Analysis ◉	3	EE 112
CE 456	805456	Hydrology ◉	3	IE 231 + CE 351	HSS 116	1401116	Islamic Education ●	3	-
CE 585	805585	Graduation Project I	1	CE 584	DE-III		Department Elective Course	3	-
DE-II		Department Elective Course	3	-	EI 146	1401146	Entrepreneurship and innovation ●	1	concurrent
UE-III		University Elective Course ●	3	-	LSA 147	1401147	Leadership and social accountability ●	1	
					LS 148	1401148	Life skills ●	1	
Total			16		Total			14	

* For Jordanian students

** Passing level Test

***Simultaneously

(1)Department approval

● Online course

◉ Blended course