



**Course Descriptions for the Bachelor of Science
(B.Sc.) Program in
Civil Engineering
Academic Year 2025–2026**

First Level – Bologna Process

Second Level – Bologna Process

Third Level – Bologna Process

Fourth Level – Semester System



First Level – Bologna Process 2025-2026

Second Semester (Spring)						First Semester (Fall)					
ECTS	SWL (hr/sem)	USSWL (hr/sem)	SSWL (hr/sem)	Subject	Code	ECTS	SWL (hr/sem)	USSWL (hr/sem)	SSWL (hr/sem)	Subject	Code
7.00	175	97	78	Mathematics II	CE106	6.00	150	72	78	Mathematics I	CE101
7.00	175	97	78	Engineering Mechanics II	CE107	6.00	150	72	78	Engineering Mechanics I	CE102
6.00	150	87	63	Engineering drawing II	CE108	5.00	125	62	63	Engineering Drawing I	CE103
3.00	75	27	48	Computer 1	UOM1031	6.00	150	87	63	Geology	CE104
3.00	75	42	33	Statistics II	CE109	3.00	75	42	33	Statistics I	CE105
2.00	50	17	33	Electrical Engineering	CE110	2.00	50	17	33	Democracy and Human Rights	UOM1040
2.00	50	17	33	Arabic Language 1	UOM1011	2.00	50	17	33	English Language 1	UOM1021

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Second Level – Bologna Process 2025-2026

Second Semester (Spring)						First Semester (Fall)					
ECTS	SWL (hr/sem)	USSWL (hr/sem)	SSWL (hr/sem)	Subject	Code	ECTS	SWL (hr/sem)	USSWL (hr/sem)	SSWL (hr/sem)	Subject	Code
5.00	125	62	63	Mathematics IV	CE206	5.00	125	62	63	Mathematics III	CE201
6.00	150	72	78	Mechanics of Materials II	CE207	5.00	125	62	63	Mechanics of Materials I	CE202
3.00	75	27	48	Building construction and damage assessment	CE208	5.00	125	62	63	Fluid mechanics	CE203
5.00	125	62	63	Concrete technology II	CE209	5.00	125	62	63	Concrete technology I	CE204
6.00	150	72	78	Engineering surveying II	CE210	6.00	150	72	78	Engineering surveying I	CE205
3.00	75	27	48	Computer 2	UOM2032	2.00	50	17	33	Crimes of the Baath Regime in Iraq	UOM2050
2.00	50	17	33	English Language 2	UOM2022	2.00	50	17	33	Arabic Language 2	UOM2012

Third Level – Bologna Process 2025-2026

Second Semester (Spring)						First Semester (Fall)					
ECTS	SWL (hr/sem)	USSWL (hr/sem)	SSWL (hr/sem)	Subject	Code	ECTS	SWL (hr/sem)	USSWL (hr/sem)	SSWL (hr/sem)	Subject	Code
4.00	100	52	48	Numerical Analysis	CE308	4.00	100	52	48	Differential Equations	CE301
5.00	125	62	63	Theory of Structures II	CE309	5.00	125	62	63	Theory of Structures I	CE302
6.00	150	72	78	Soil Mechanics II	CE310	6.00	150	72	78	Soil Mechanics I	CE303
5.00	125	62	63	Reinforced Concrete II	CE311	5.00	125	62	63	Reinforced Concrete I	CE304
5.00	125	62	63	Highway Engineering II	CE312	5.00	125	62	63	Highway Engineering I	CE305
3.00	75	42	33	Hydraulic Structures	CE313	2.00	50	17	33	Engineering Project Management	CE306
2.00	50	17	33	Engineering Project Design and Planning	CE314	3.00	75	42	33	Hydrology	CE307

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SSWL: Structured Student Work Load (hr./Sem.), USSWL: Unstructured Student Work Load (hr./Sem.), SWL: Student Work Load (hr./Sem.)

Fourth Level – Courses System 2025-2026

Second Semester (Spring)						First Semester (Fall)					
Units	Pract.	Exp.	Theo.	Subject	Code	Units	Pract.	Exp.	Theo.	Subject	Code
3	1	-	3	Reinforced Concrete Design II	CE411	3	1	-	3	Reinforced Concrete Design I	CE401
3	1	-	3	Foundation Engineering II	CE412	3	1	-	3	Foundation Engineering I	CE402
2	1	-	2	Steel Design II	CE413	2	1	-	2	Steel Design I	CE403
2	-	-	2	Traffic Engineering II	CE414	2	-	-	2	Traffic Engineering I	CE404
2	-	-	2	Sanitary Engineering II	CE415	2	-	-	2	Sanitary Engineering I	CE405
2	-	2	1	Computer Application II	CE416	2	-	2	1	Computer Application I	CE406
2	-	-	2	Construction Methods	CE417	2	-	-	2	Estimation	CE407
2	-	-	2	Applied Chemistry	CE418	1	-	2	-	Structural Drawing	CE408
2	-	-	2	Graduation Project II	CE419	2	-	-	2	Architecture Design	CE409
						2	-	-	2	Graduation Project I	CE410