

B.Sc. in Civil Engineering Program Courses

First Year					
First Semester		ECTS	Second Semester		ECTS
EC1101	Physics for engineers	6	EC1201	Engineering Mechanics	6
EC1102	Calculus I	6	EC1202	Calculus II	6
EC1103	Engineering Drawing	4	EC1203	Construction Materials	6
EC1104	Engineering Geology	6	EC1204	English Language II	4
EC1105	English Language I	4	EC1205	Academic Debate	4
EC1106	Kurdology	4	EC1206	Computer Skills	4

Second Year					
First Semester		ECTS	Second Semester		ECTS
EC2101	Engineering Mathematics	5	EC2201	Engineering Statistics	4
EC2102	Strength of Materials	6	EC2202	Structural Mechanics	6
EC2103	fundamental of Surveying (+Lab)	6	EC2203	Engineering Surveying (+Lab)	6
EC2104	Concrete Technology (+Lab)	5	EC2204	Building Construction and Methods	5
EC2105	Fluid Mechanics (+Lab)	5	EC2205	Hydraulic (+Lab)	5
EC2106	Occupational Safety	3	EC2206	Environmental Engineering	4

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Third Year					
First Semester		Units	Second Semester		Units
EC3101	Engineering Hydrology	4	EC3201	Reinforced Concrete Fundamentals	6
EC3102	Road Geometric Design	6	EC3202	Geotechnical Engineering	6
EC3103	Soil Mechanics	6	EC3203	Pavement Engineering	6
EC3104	Theory of Structures	6	EC3204	Engineering Management & Economy	4
EC3105	Engineering Analysis & Numerical Methods	4	EC3205	Building Services	3
EC3106	Elective: <ul style="list-style-type: none"> • Irrigation Engineering OR • Dams and Reservoirs 	4	EC3206	Elective: <ul style="list-style-type: none"> • Photogrammetry and Remote Sensing OR • GIS Application 	5

Fourth Year					
First Semester		Units	Second Semester		Units
EC4101	Traffic Engineering	5	EC4201	Quantity Surveying & Estimation	6
EC4102	Foundation Engineering	6	EC4202	Internship	6
EC4103	Water Supply Engineering	4	EC4203	Engineering Project	12
EC4104	Reinforced Concrete Design	6			
EC4105	Steel Design	5			
EC4106	Elective: <ul style="list-style-type: none"> • Geoenvironmental Engineering OR • Sanitary Engineering OR • Hydraulic Structures 	4	EC4204	Elective: <ul style="list-style-type: none"> • Design of Concrete structures OR • Design of Earth Structures OR • Transportation Planning 	6