

- Civil Engineering Undergraduate Program Curriculum:

First Year Fall Semester				
Course Code	Course Name	Credit	ECTS	Prerequisite(s)
CEN1001	Introduction to Civil Engineering	2(2,0)	3	-
ENG1003	Communication Skills and Academic Reporting I	3(3,0)	4	-
MAT1051	Calculus I	4(3,2)	7	-
PHY1001	Physics I	4(3,2)	7	-
CMP1002	Introduction to Programming	3(3,0)	6	-
TLL1003	Turkish Language and Literature I	0(2,0)	2	-

First Year Spring Semester				
Course Code	Course Code	Course Code	Course Code	Course Code
CEN1002	Surveying and Metrology	2(2,0)	4	-
CHE1001	General Chemistry	4(3,2)	6	-
ENG1004	Communication Skills and Academic Reporting I	3(2,2)	4	ENG1003
MAT1052	Calculus II	4(3,2)	7	MAT1051
PHY1002	Physics II	4(3,2)	7	PHY1001
TLL1004	Turkish Language and Literature II	0(2,0)	2	TLL1003

Second Year Fall Semester				
Course Code	Course Code	Course Code	Course Code	Course Code
CEN2007	Statics	3(3,0)	6	PHY1002
CEN2005	Materials Science	4(4,0)	6	-
MAT2062	Differential Equations	3(3,0)	5	MAT1051
MCH2005	Technical Drawing with AutoCAD	3(3,0)	6	-
HST1001	Atatürk's Principles and History of Turkish Republic I	0(2,0)	0	-
CEN2003	Dynamics	3(3,0)	6	-

Second Year Spring Semester				
Course Code	Course Code	Course Code	Course Code	Course Code
CEN2004	Materials of Construction	3(3,0)	6	-
MAT2062	Linear Algebra	3(3,0)	5	-
MAT2026	Probability and Statistics	3(3,0)	6	MAT1051
CEN2006	Strength of Materials	3(3,0)	6	CEN2007

HST1002	Atatürk's Principles and History of Turkish Republic II	0(2,0)	2	HST1001
CEN2012	Earth Science	3(3,0)	5	-

Third Year Fall Semester				
Course Code	Course Name	Credit	ECTS	Prerequisite(s)
CEN3003	Highway Engineering	3(3,0)	5	-
CEN3013	Soil Mechanics	4(3,2)	6	CEN2012
CEN3015	Fluid Mechanics	3(3,0)	6	CEN2003
	General Education Elective	3(3,0)	6	-
	General Education Elective	3(3,0)	6	-

Third Year Spring Semester				
Course Code	Course Code	Course Code	Course Code	Course Code
CEN3018	Hydraulics	3(3,0)	6	CEN3015
CEN3016	Structural Analysis	3(3,0)	6	CEN2006
CEN3014	Foundation Engineering	3(3,0)	6	CEN3013
CEN 3017	Construction Management	3(3,0)	6	-
	General Education Elective	3(3,0)	4	-
	Non-Departmental Elective	3(3,0)	3	-

Fourth Year Fall Semester				
Course Code	Course Code	Course Code	Course Code	Course Code
CEN4015	Reinforced Concrete	3(3,0)	6	CEN3016
CEN4995	Summer Training	0	5	CEN1002;CEN2004;CEN2006
CEN4135	Steel Design and Construction	3(3,0)	4	-
ENG4001	Engineering Economy	3(3,0)	4	-
CEN4997	Capstone Project I	3(3,0)	5	-
	Non-Departmental Elective	3(3,0)	4	-
	Departmental Elective	3(3,0)	4	-

Fourth Year Spring Semester				
Course Code	Course Code	Course Code	Course Code	Course Code
CEN4998	Capstone Project II	3(3,0)	5	CEN4997
	Departmental Elective	3(3,0)	6	-
ENR4004	Non-Technical Aspects of Engineering	3(3,0)	4	-

	Non-Departmental Elective	3(3,0)	4	-
	Non-Departmental Elective	3(3,0)	4	-
	Departmental Elective	3(3,0)	6	-

CEN4995 (Summer Training): The summer training is 30 working days and students who complete the prerequisite courses are eligible to take this course.