



Bachelor's Degree in Civil Engineering

Faculty Of Engineering

HOME

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GENERAL INFORMATION
FOR STUDENTS

Course Structure Diagram

First Semester		Theo.	Prac	Credits	ECTS
<u>TURK 101</u>	TURKISH LANGUAGE I	2	0	2	2
<u>PHYS 103</u>	GENERAL PHYSICS I	3	2	4	7
<u>MATH 113</u>	CALCULUS I	4	2	5	7
<u>ENGR 104</u>	ENGINEERING GRAPHICS	2	2	3	5
<u>CE 103</u>	TECHNICAL ENGLISH FOR CIVIL ENGINEERING	2	0	2	3
<u>CE 101</u>	INTRODUCTION TO CIVIL ENGINEERING	3	0	3	3
		16	6	19	27

Second Semester		Theo.	Prac	Credits	ECTS
<u>TURK 102</u>	TURKISH LANGUAGE II	2	0	2	2
<u>MATH 114</u>	CALCULUS II	4	0	4	7
<u>CHEM 108</u>	GENERAL CHEMISTRY	3	2	4	7
<u>CE 106</u>	BUILDING SCIENCE	2	0	2	5
<u>CE 104</u>	COMMUNICATION FOR CIVIL ENGINEERING	3	0	3	3
<u>CE 102</u>	STATICS	3	2	4	6
		17	4	19	30

Third Semester		Theo.	Prac	Credits	ECTS
<u>MATH 281</u>	PROBABILITY & STATISTICS	3	0	3	5
<u>MATH 271</u>	DIFFERENTIAL EQUATIONS	3	0	3	5
<u>CE 207</u>	SURVEYING	3	0	3	3
<u>CE 205</u>	MATLAB FOR CIVIL ENGINEERS	3	0	3	4
<u>CE 203</u>	STRENGTH OF MATERIALS I	3	2	4	7
<u>CE 201</u>	MATERIALS SCIENCE	3	0	3	4
<u>APHR 101</u>	ATATURK'S PRINCIPLES AND HISTORY OF TURKISH REVOLUTION I	2	0	2	2
		20	2	21	30

Fourth Semester		Theo.	Prac	Credits	ECTS
<u>MATH 123</u>	LINEAR ALGEBRA	3	0	3	5
<u>ECON 388</u>	ENGINEERING ECONOMICS	3	0	3	5
<u>CE 208</u>	ENGINEERING GEOLOGY	2	0	2	4
<u>CE 206</u>	FLUID MECHANICS	3	0	3	4
<u>CE 204</u>	STRENGTH OF MATERIALS II	2	2	3	6
<u>CE 202</u>	CONSTRUCTION MATERIALS	3	0	3	4
<u>APHR 102</u>	ATATURK'S PRINCIPLES AND HISTORY OF TURKISH REVOLUTION II	2	0	2	2
		18	2	19	30

Fifth Semester		Theo.	Prac	Credits	ECTS
CE 311	INDUSTRIAL TRAINING I	0	0	0	2
<u>CE 309</u>	REINFORCED CONCRETE I	3	2	4	6
<u>CE 307</u>	SOIL MECHANICS I	2	2	3	4
<u>CE 305</u>	TRANSPORTATION ENGINEERING	3	0	3	3
<u>CE 303</u>	HYDRAULICS	3	0	3	5
<u>CE 301</u>	STRUCTURAL ANALYSIS I	2	2	3	6
XXX xxx	TECHNICAL ELECTIVE	3	0	3	4
		16	6	19	30

Sixth Semester		Theo.	Prac	Credits	ECTS
XX XXX	TECHNICAL ELECTIVE	3	0	3	4
<u>CE 310</u>	REINFORCED CONCRETE II	3	0	3	6
<u>CE 308</u>	STEEL STRUCTURES I	3	0	3	4
<u>CE 306</u>	CONSTRUCTION MANAGEMENT	3	0	3	4
<u>CE 304</u>	FOUNDATION ENGINEERING	3	0	3	5
<u>CE 302</u>	STRUCTURAL ANALYSIS II	3	0	3	7
		18	0	18	30

Seventh Semester		Theo.	Prac	Credits	ECTS
CE 405	INDUSTRIAL TRAINING II	0	0	0	2
<u>CE 403</u>	GRADUATION PROJECT I	0	6	3	8
XXX xxx	NON-TECHNICAL ELECTIVE	3	0	3	4
XXX xxx	TECHNICAL ELECTIVE	3	0	3	4

XXX xxx	TECHNICAL ELECTIVE	3	0	3	4
XXX xxx	TECHNICAL ELECTIVE	3	0	3	4
XXX xxx	TECHNICAL ELECTIVE	3	0	3	4
		15	6	18	30
Eight Semester		Theo.	Prac	Credits	ECTS
<u>CE 404</u>	GRADUATION PROJECT II	0	6	3	10
XXX xxx	NON-TECHNICAL ELECTIVE	3	0	3	4
XXX xxx	TECHNICAL ELECTIVE	3	0	3	4
XXX xxx	TECHNICAL ELECTIVE	3	0	3	4
XXX xxx	TECHNICAL ELECTIVE	3	0	3	4
XXX xxx	TECHNICAL ELECTIVE	3	0	3	4
		15	6	18	30

Total Credits Required in Degree Program: 151 / Total ECTS Credits: 237

INFORMATION: All of the following elective courses aren't opened each semester. Please take information about potential open courses from the head of department.

Elective Courses

TECHNICAL ELECTIVES (3+0) 3		Theo.	Prac	Credits	ECTS
<u>CE 410</u>	CONSTRUCTION SITE MANAGEMENT	3	0	3	4
<u>CE 411</u>	APPLICATION OF LABOR AND BUILDING LAWS	3	0	3	4
<u>CE 412</u>	STEEL STRUCTURES II	3	0	3	4
<u>CE 413</u>	ADVANCED CONSTRUCTION MATERIALS	3	0	3	4
<u>CE 414</u>	FLEXIBLE PAVEMENT CONSTRUCTION	3	0	3	4
<u>CE 415</u>	EARTHQUAKE ENGINEERING AND STRUCTURAL DYNAMICS	3	0	3	4
<u>CE 416</u>	SOIL MECHANICS II	3	0	3	4
<u>CE 417</u>	COMPUTER AIDED STRUCTURAL ANALYSIS	3	0	3	4
<u>CE 418</u>	TRANSPORTATION AND ENVIRONMENT	3	0	3	4
<u>CE 419</u>	ARCHITECTURAL THEORY	3	0	3	4
<u>CE 421</u>	TUNNELS AND UNDERGROUND STRUCTURES	3	0	3	4
<u>CE 422</u>	DESIGN AND ANALYSIS OF STRUCTURAL SYSTEMS	3	0	3	4
<u>CE 423</u>	PROJECT MANAGEMENT	3	0	3	4
<u>CE 424</u>	SOIL STABILIZATION	3	0	3	4
<u>CE 425</u>	WATER SOURCES	3	0	3	4
<u>CE 426</u>	TRANSPORTATION PLANNING	3	0	3	4
<u>CE 427</u>	RAILROAD CONSTRUCTION	3	0	3	4
<u>CE 428</u>	EARTH WORKS	3	0	3	4
<u>CE 429</u>	CONCRETE ROADS	3	0	3	4
<u>CE 430</u>	COASTAL ENGINEERING	3	0	3	4
<u>CE 431</u>	SEA DISCHARGE SYSTEMS	3	0	3	4
<u>CE 432</u>	DESIGN OF STEEL STRUCTURES	3	0	3	4
CE 433	REINFORCED CONCRETE DESING PROJECT	3	0	3	
<u>ENVE 312</u>	WATER SUPPLY AND SEWERAGE	3	0	3	5
<u>ENVE 315</u>	HYDROLOGY	2	0	2	3
<u>ENVE 325</u>	OCCUPATIONAL HEALTH AND SAFETY	3	0	3	5
ENGR 442	OCCUPATIONAL HEALTH AND SAFETY	3	0	3	5
<u>ENGR 444</u>	ENGINEERING ETHICS	3	0	3	5
ENGR 446	INNOVATION AND ENTREPRENEURSHIP	3	0	3	5
İM 434		3	0	3	4
İM 435		3	0	3	4
İM 436		3	0	3	4
NON-AREA TECHNICAL ELECTIVES (3+0) 3		Theo.	Prac	Credits	ECTS
<u>EDU 420</u>	APPLIED EDUCATIONAL ENTREPRENEURSHIP	2	2	3	5

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