

ABDULLAH GÜL UNIVERSITY / ABDULLAH GÜL ÜNİVERSİTESİ
Civil Engineering Undergraduate Program / İnşaat Mühendisliği Lisans Programı
(For students who start their undergraduate education in 2014 and 2015)
(Lisans eğitimine 2014 ve 2015 yıllarında başlayan öğrenciler için)

Freshman Year / FALL Semester – 1. SINIF GÜZ YARIYILI						
Code	Course Name	Lec.	Lab	Credits	ECTS	Prerequisites
MATH 101	Calculus I	4	0	4	5	
SCI 101	Science of Nature I	3	2	4	7	
COMP 101	Art of Computing	3	2	4	6	
HUM 101	Understanding Contemporary World	3	0	3	5	
PDA 101	Professional Development Activities I	1	1	0	1	
ENG 101	English I	4	0	4	4	
TURK 101	Turkish I	2	0	2	2	
Total		20	5	21	30	
Freshman Year / SPRING Semester - 1. SINIF BAHAR YARIYILI						
Code	Course Name	Lec.	Lab	Credits	ECTS	Prerequisites
MATH 102	Calculus II	4	0	4	5	MATH 101
SCI 102	Science of Nature II	3	2	4	7	SCI 101
CE 102	Exploring Profession	3	2	4	6	
HUM 102	Imagining Future	3	0	3	5	HUM 101
PDA 102	Professional Development Activities II	1	1	0	1	
ENG 102	English II	4	0	4	4	ENG 101
TURK 102	Turkish II	2	0	2	2	
Total		20	5	21	30	
Sophomore Year / FALL Semester - 2. SINIF GÜZ YARIYILI						
Code	Course Name	Lec.	Lab	Credits	ECTS	Prerequisites
CE 221	Mechanics	2	2	3	5	
MATH 201	Engineering Mathematics I	4	0	4	6	MATH 102
MATH 203	Linear Algebra	3	0	3	5	
CE 201	Civil Engineering Drawing	1	2	2	4	
CE 262	Geology for Civil Engineering	3	0	3	4	
BA 221	Entrepreneurship and Innovation	3	0	3	4	
HIST 201	History of Modern Turkey I	2	0	2	2	
Total		18	4	20	30	
Sophomore Year / SPRING Semester - 2. SINIF BAHAR YARIYILI						
Code	Course Name	Lec.	Lab	Credits	ECTS	Prerequisites
MATH 202	Engineering Mathematics II	4	0	4	6	MATH 201
CE 222	Strength of Materials	3	2	4	6	CE 221
CE 242	Materials Science	2	1	3	5	
CE 272	Fluid Mechanics	3	0	3	6	
CE 202	Numerical Methods for Engineers	2	2	3	5	
HIST 202	History of Modern Turkey II	2	0	2	2	
Total		16	5	19	30	

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Junior Year / FALL Semester - 3. SINIF GÜZ YARIYILI						
Code	Course Name	Lec.	Lab	Credits	ECTS	Prerequisites
CE 300	Summer Practice	0	0	0	6	
MATH 301	Probability and Statistics	3	0	3	5	MATH 102
CE 344	Materials of Construction	2	1	3	4	
CE 371	Hydromechanics	3	1	4	5	CE 272
CE 363	Soil Mechanics	3	2	4	5	
CE 383	Structural Analysis	4	0	4	5	CE 221
Total				18	30	
Junior Year / SPRING Semester - 3. SINIF BAHAR YARIYILI						
Code	Course Name	Lec.	Lab	Credits	ECTS	Prerequisites
CE 332	Construction Engineering and Management	3	0	3	5	
CE 366	Foundation Engineering	3	1	4	5	CE 363
CE 374	Hydrology and Water Resources Engineering	4	0	4	5	CE 272
CE 382	Reinforced Concrete	3	0	3	5	CE 222
CE 352	Introduction to Transportation and Traffic Engineering	2	1	3	5	
CE 384	Steel Structures	3	0	3	5	CE 222
Total		18	2	20	30	
Senior Year / FALL Semester - 4. SINIF GÜZ YARIYILI						
Code	Course Name	Lec.	Lab	Credits	ECTS	Prerequisites
CE 400	Summer Practice	0	0	0	6	
CE 401	Capstone Design I	2	2	3	6	
ECON 222	Economics for Engineers	3	0	3	4	
	Technical Elective	3	0	3	6	*
	Technical Elective	3	0	3	6	*
OHS 401	Occupational Health and Safety I	2	0	2	1	
Total				14	29	
Senior Year / SPRING Semester - 4. SINIF BAHAR YARIYILI						
Code	Course Name	Lec.	Lab	Credits	ECTS	Prerequisites
CE 402	Capstone Design II	2	2	3	6	
	Technical Elective	3	0	3	6	*
	Technical Elective	3	0	3	6	*
	Technical Elective	3	0	3	6	*
	Technical Elective	3	0	3	6	*
OHS 402	Occupational Health and Safety II	2	0	2	1	
Total		16	2	17	31	

* The prerequisites for technical elective courses are given in the table of related courses.

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Technical Electives

(6 of these courses must be taken / Bu derslerden 6'sı alınmak zorundadır)

Code	Course Name	T (s/h)	U (s/h)	Credit	ECTS	Prerequisites
CE 431	Construction Project Management	3	0	3	6	-
CE 441	Materials for Sustainable Built Environment	3	0	3	6	-
CE 442	Construction Waste Management	3	0	3	6	-
CE 444	The Natural and Built Environment	3	0	3	6	-
CE 445	Sustainable Concrete Technology	3	0	3	6	-
CE 446	Laboratory Tests on Civil Engineering Materials	3	0	3	6	-
CE 447	Admixtures for Concrete	3	0	3	6	-
CE 448	Durability of Concrete	3	0	3	6	-
CE 451	Railway Engineering	3	0	3	6	-
CE 452	Railway Design	3	0	3	6	CE 451 Railway Engineering
CE 461	Foundation Engineering II	3	0	3	6	CE 366 Foundation Engineering
CE 462	Introduction to GIS	3	0	3	6	-
CE 463	Use of In-situ Tests in Geotechnical Engineering	3	0	3	6	CE 363 Soil Mechanics
CE 464	Ground Improvement	3	0	3	6	CE 363 Soil Mechanics CE 366 Foundation Engineering
CE 473	Sustainable Energy Resources	3	0	3	6	-
CE 474	Engineering for Sustainability	3	0	3	6	-
CE 475	Water and Wastewater Treatment Engineering	3	0	3	6	-
CE 476	Environmental Policy and Politics	3	0	3	6	-
CE 477	Design of Hydraulic Structures	3	0	3	4	CE 272 Fluid Mechanics, CE 371 Hydromechanics
CE 482	Computational Structural Analysis and Design	3	0	3	6	CE383 Structural Analysis
CE 484	Aseismic Design of Structures	3	0	3	6	-
CE 485	Introduction to Earthquake Engineering	3	0	3	4	-
CE 486	Introduction to Structural Dynamics	3	0	3	4	MATH205 Differential Equations CE 383 Structural Analysis
CE 488	Introduction to Vibrating Systems	3	0	3	6	MATH203 Linear Algebra, MATH205 Differential Equations
CE 489	Matrix Theory of Structural Analysis	3	0	3	6	MATH203 Linear Algebra