

**ABDULLAH GÜL UNIVERSITY / ABDULLAH GÜL ÜNİVERSİTESİ**  
**Civil Engineering Undergraduate Program / İnşaat Mühendisliği Lisan Programı**  
*(For students who start their undergraduate education in Fall 2021 and later)*  
*(Lisans eğitimine 2021 Güz döneminden itibaren başlayan öğrenciler için)*

Freshman Year / FALL Semester – 1. SINIF GÜZ YARIYILI						
Code	Course Name	Lec.	Lab	Credits	ECTS	Prerequisites
MATH 151	Calculus I	5	0	5	6	
PHYS 101	Physics I	3	2	4	5	
COMP 101	Art of Computing	3	2	4	6	
GLB 101	AGU Ways	3	0	3	4	
ENG 101	English I	4	0	4	4	BRIDGE***
CE 101	Civil Engineering Drawing	1	2	2	5	
<b>Total</b>		19	6	22	30	
Freshman Year / SPRING Semester - 1. SINIF BAHAR YARIYILI						
Code	Course Name	Lec.	Lab	Credits	ECTS	Prerequisites
MATH 152	Calculus II	5	0	5	6	MATH 151
PHYS 102	Physics II	3	2	4	5	
CE 102	Exploring Profession	2	2	3	5	
GLB XXX	Global Issues Elective I	3	0	3	4	
CHEM 101	Chemistry for Engineers	3	2	4	5	
ENG 102	English II	4	0	4	4	ENG 101
CP100.CE	Career Planning	1	0	1	1	
<b>Total</b>		21	6	24	30	
Sophomore Year / FALL Semester - 2. SINIF GÜZ YARIYILI						
Code	Course Name	Lec.	Lab	Credits	ECTS	Prerequisites
CE 221	Mechanics	4	0	4	6	
ECON 222	Economics for Engineers	3	0	3	4	
MATH 205	Differential Equations	4	0	4	5	MATH 152
CE 241	Materials Science	2	1	3	5	
CE 262	Geology for Civil Engineering	3	0	3	4	
GLB XXX	Global Issues Elective II	3	0	3	4	BRIDGE***
TURK XXX	Turkish Language Pool I	2	0	2	2	
<b>Total</b>		21	1	22	30	
Sophomore Year / SPRING Semester - 2. SINIF BAHAR YARIYILI						
Code	Course Name	Lec.	Lab	Credits	ECTS	Prerequisites
CE 222	Strength of Materials	3	2	4	6	CE 221
MATH 203	Linear Algebra	3	0	3	5	
CE 244	Materials of Construction	2	1	3	4	
CE 272	Fluid Mechanics	3	0	3	5	
CE 202	Numerical Methods for Engineers	3	0	3	4	
GLB XXX	Global Issues Elective III	3	0	3	4	BRIDGE***
TURK XXX	Turkish Language Pool II	2	0	2	2	
<b>Total</b>		19	3	21	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	2	1	5	
MATH 301	Probability and Statistics	3	0	3	5	MATH 152
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
GLB XXX	Global Issues Elective IV	3	0	3	4	ENG 101
HIST 2XX	History of Turkey Pool I	2	0	2	2	
<b>Total</b>		18	5	21	31	
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	4	
XXX	Nontechnical Elective				3	
HIST 2XX	History of Turkey Pool II	2	0	2	2	
<b>Total</b>					29	
Senior Year / FALL Semester - 4. SINIF GÜZ YARIYILI						
Code	Course Name	Lec.	Lab	Credits	ECTS	Prerequisites
CE 403	Capstone Design	0	2	1	7	
CE 481	Fundamentals of Steel Design	3	2	4	6	CE 222
	Technical Elective	3	0	3	4	**
	Technical Elective	3	0	3	4	**
	Technical Elective	3	0	3	4	**
	Technical Elective	3	0	3	4	**
OHS 401	Occupational Health and Safety I	2	0	2	1	
<b>Total</b>		17	4	19	30	
Senior Year / SPRING Semester - 4. SINIF BAHAR YARIYILI						
Code	Course Name	Lec.	Lab	Credits	ECTS	Prerequisites
CE 404	Workplace Experience	1	0	1	29	
OHS 402	Occupational Health and Safety II	1	0	1	1	
<b>Total</b>		2	0	2	30	

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

\*\*\*If you did not pass the Prep School directly, then you would take this course Bridge, which you have to pass to be able to take relevant GLB Courses.

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**Technical Electives**

(4 of these courses must be taken / Bu derslerden 4'ü alınmak zorundadır)

Code	Course Name	Lec.	Lab	Credit	ECTS	Prerequisites
CE 431	Construction Project Management	3	0	3	4	-
CE 441	Materials for Sustainable Built Environment	3	0	3	4	-
CE 442	Construction Waste Management	3	0	3	4	-
CE 444	The Natural and Built Environment	3	0	3	4	-
CE 445	Sustainable Concrete Technology	3	0	3	4	-
CE 446	Laboratory Tests on Civil Engineering Materials	3	0	3	4	-
CE 447	Admixtures for Concrete	3	0	3	4	-
CE 448	Durability of Concrete	3	0	3	4	-
CE 451	Railway Engineering	3	0	3	4	-
CE 452	Railway Design	3	0	3	4	CE 451 Railway Engineering
CE 461	Foundation Engineering II	3	0	3	4	CE 366 Foundation Engineering
CE 462	Introduction to GIS	3	0	3	4	-
CE 463	Use of In-situ Tests in Geotechnical Engineering	3	0	3	4	CE 363 Soil Mechanics
CE 464	Ground Improvement	3	0	3	4	CE 363 Soil Mechanics, CE 366 Foundation Engineering
CE 473	Sustainable Energy Resources	3	0	3	4	-
CE 474	Engineering for Sustainability	3	0	3	4	-
CE 475	Water and Wastewater Treatment Engineering	3	0	3	4	-
CE 476	Environmental Policy and Politics	3	0	3	4	-
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	4	CE383 Structural Analysis
CE 483	Computer Programming in Structural Engineering	3	0	3	4	COMP 101 Art of Computing, CE383 Structural Analysis
CE 484	A seismic Design of Structures	3	0	3	4	-
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	4	MATH 203 Linear Algebra, MATH 205 Differential Equations
CE 489	Matrix Theory of Structural Analysis	3	0	3	4	MATH 203 Linear Algebra