

ANTALYA BILIM UNIVERSITY
FACULTY OF ENGINEERING AND NATURAL SCIENCES,
DEPARTMENT OF CIVIL ENGINEERING,
2025 - 2026 ACADEMIC CURRICULUM

FRESHMAN							
1	Fall Semester		Theory	Practical	Credits	ECTS	Pre / Co -requisite
	TURK 101	Turkish Language I	2	0	2	2	
	CE 1021	Computer-Aided Technical Drawing	2	2	3	3	
	MATH 1001	Calculus I	4	0	4	5	
	PHYS 1001	Physics I	3	0	3	4	PHYL 1001 (C)
	PHYL 1001	Physics I Laboratory	0	2	1	2	PHYS 1001 (C)
	CS 1001	Introduction to Programming I	3	2	4	6	
	CE 1013	Earth Sciences	2	0	2	5	
	CE 1011	Introduction to Civil Engineering and Ethics	2	0	2	3	
	TOTAL		18	6	21	30	3

2	Bahar Dönemi	Theory	Practical	Credits	ECTS	Pre / Co -requisite
TURK 102	Turkish Language II	2	0	2	2	
ENEN 1002	English for Engineers II	3	0	3	3	
MATH 1002	Calculus II	4	0	4	5	MATH 1001
MATH 1004	Linear Algebra	4	0	4	5	
PHYS 1002	Physics II	3	0	3	4	PHYL 1002 (C)
PHYL 1002	Physics II Laboratory	0	2	1	2	PHYS 1002 (C)
CE 1012	Statics	3	0	3	5	
CE 1022	Surveying	2	2	3	4	
TOTAL		21	4	23	30	

COURSES	NUMBER OF COURSES	CREDITS	ECTS
CORE COURSES	8	18	44
GENERAL COURSES	5	10	10
AREA ELECTIVE COURSES	2	6	6
NON-AREA ELECTIVE COURSES	0	0	0
1st YEAR TOTAL	15	34	60

SOPHOMORE							
3	Fall Semester		Theory	Practical	Credits	ECTS	Pre / Co -requisite
	ENWH 1001	Worker Health and Occupational Safety I	2	0	2	2	
	ENEN 1001	English for Engineers I	3	0	3	3	
	MATH 2003	Differential Equations	4	0	4	5	MATH 1002
	CE 2001	Hydrology	3	0	3	5	
	CE 2003	Dynamics	3	0	3	5	
	CE 2005	Material Science for Civil Engineering	3	0	3	5	
	CE 2007	Strength of Material	3	0	3	5	CE 1012 (attempt except FX)
	TOTAL		21	0	21	30	

4	Spring Semester	Theory	Practical	Credits	ECTS	Pre / Co -requisite
MATH 2006	Numerical Analysis for Engineers	4	0	4	5	
CE 2002	Structural Analysis I	3	0	3	5	
CE 2004	Construction Material	2	2	3	5	
CHM 1001	General Chemistry	3	0	3	5	
CE 2006	Fluid Mechanics for Civil Engineering	3	0	3	5	
CE 2008	Transportation Engineering	3	0	3	5	
TOTAL		18	2	19	30	

COURSES	NUMBER OF COURSES	CREDITS	ECTS
CORE COURSES	8	18	46
GENERAL COURSES	4	8	8
AREA ELECTIVE COURSES	2	6	6
NON-AREA ELECTIVE COURSES	0	0	0
2nd YEAR TOTAL	14	32	60

JUNIOR							
5	Fall Semester		Theory	Practical	Credits	ECTS	Pre / Co -requisite
	HIST 101	Ataturk's Principles and Revolution History I	2	0	2	2	
	ENEC 2000	Engineering Economics	3	0	3	3	
	MATH 2005	Probability and Statistics for Engineers	3	0	3	5	
	CE 3000	Internship	0	2	1	5	Completion of 90 ECTS successfully
	CE 3001	Reinforced Concrete I	3	0	3	5	CE 2002 (Attempt except FX)
	CE 3005	Structural Analysis II	3	0	3	5	CE 2002 (Attempt except FX)
	CE 3007	Soil Mechanics	3	2	4	5	
	TOTAL		17	4	19	30	

6	Spring Semester	Theory	Practical	Credits	ECTS	Pre / Co -requisite
HIST 102	Ataturk's Principles and Revolution History II	2	0	2	2	
NAE 1000	Non-Area Elective	2	0	2	3	
NAE 1000	Non-Area Elective	2	0	2	3	
ENWH 1002	Worker's Health and Work Safety II	2	0	2	2	No P, no concurrency w ENWH 1001
CE 3002	Construction Management	3	0	3	5	
CE 3004	Reinforced Concrete II	3	0	3	5	CE 3001 (Attempt except FX)
CE 3006	Hydraulics	3	0	3	5	CE 2006 (Attempt except FX)
CE 3008	Steel Structures	3	0	3	5	
TOTAL		20	0	20	30	

COURSES	NUMBER OF COURSES	CREDITS	ECTS
CORE COURSES	8	18	46
GENERAL COURSES	4	8	8
AREA ELECTIVE COURSES	2	6	6
NON-AREA ELECTIVE COURSES	0	0	0
3rd YEAR TOTAL	14	32	60

SENIOR						
7 Fall Semester		Theory	Practical	Credits	ECTS	Pre / Co -requisite
AE 1000	Area Elective	3	0	3	5	
AE 1000	Area Elective	3	0	3	5	
AE 1000	Area Elective	3	0	3	5	
AE 1000	Area Elective	3	0	3	5	
AE 1000	Area Elective	3	0	3	5	
CE 4001	Project I (or 1 AE)	2	2	3	5	Completion of 160 ECTS successfully
TOTAL		17	2	18	30	
Cooperative Education Elective Course 1*						
CECOOP 401 Cooperative Education I		0	40	20	30	
TOTAL		0	40	20	30	

*Offered in Fall and Spring Semesters. Available only to the students enrolled in Cooperative Education Program.

Offered in Fall and Spring Semesters. Available only to the students enrolled in Cooperative Education Program.						Pre / Co -requisite
8	Spring Semester	Theory	Practical	Credits	ECTS	
AE 1000	Area Elective	3	0	3	5	
AE 1000	Area Elective	3	0	3	5	
AE 1000	Area Elective	3	0	3	5	
AE 1000	Area Elective	3	0	3	5	
CE 4002	Project II (or 2 AE's)	4	4	6	10	Project I
TOTAL		16	4	18	30	
Cooperative Education Elective Course 2**						
CECOOP 402	Cooperative Education II	0	40	20	30	
TOTAL		0	40	20	30	

**Offered in Fall and Spring Semesters. Available only to the students enrolled in Cooperative Education Program.

COURSES	NUMBER OF COURSES	CREDITS	ECTS
CORE COURSES	6	15	40
GENERAL COURSES	4	8	8
AREA ELECTIVE COURSES	2	6	6
NON-AREA ELECTIVE COURSES	2	6	6
4th YEAR TOTAL	14	35	60

AREA ELECTIVE COURSES		Theory	Practical	Credits	ECTS	
CE 4000	Internship II	1	2	1	5	CE 3000
CE 4001	Project I	3	2	3	5	Completion of 160 ECTS credits
CE 4002	Project II	6	4	6	10	
CE 4005	Strenght of Materials II	3	0	3	5	CE 2007
CE 4006	Coastal and Harbour Structures	3	0	3	5	
CE 4007	Geotechnical Eartquake Engineering	3	0	3	5	
CE 4008	Traffic Systems	3	0	3	5	
CE 4009	Concrete Technology	3	0	3	5	
CE 4010	Water Quality Modeling	3	0	3	5	CE 2001
CE 4011	Water Resources Engineering	3	0	3	5	
CE 4012	Highway Materials	3	0	3	5	
CE 4013	Computer Aided Structural Design	3	0	3	5	
CE 4014	Matrix Structural Analysis	3	0	3	5	
CE 4015	Steel Projects	3	0	3	5	
CE 4016	Reinforced Concrete Project	3	0	3	5	
CE 4017	Computer Aided Steel Design	3	0	3	5	
CE 4018	Pavement Design	3	0	3	5	
CE 4019	Dynamics of Structures	3	0	3	5	
CE 4020	Engineering For Sustainable Development	3	0	3	5	
CE 4021	Intelligent Transportation Systems	3	0	3	5	
CE 4022	Environmental Engineering	3	0	3	5	
CE 4023	Engineering Aesthetics	3	0	3	5	
CE 4024	Urban Planning	3	0	3	5	
CE 4027	Introduction to Environmental Geotechnics	3	0	3	5	
CE 4037	Geotechnical Earthquake Engineering	3	0	3	5	
CE 4038	Experimental Principles in Geotechnical Engineering	3	0	3	5	
CE 4040	Soil Improvement Methods	3	0	3	5	
MATH 4050	Basic Geometry in Engineering	3	0	3	5	
ME 4020	Solar Energy	3	0	3	5	
ME 4053	Introduction to Acoustics	3	0	3	5	
ME 4062	Renewable Energy Systems	3	0	3	5	
ME 4070	Solar Energy	3	0	3	5	
EE 4005	Biomedical Imaging	3	0	3	5	
EE 4006	Introduction to Solar Energy Engineering	3	0	3	5	
EE 4009	Digital Signal Processing	3	0	3	5	
CS 4005	Web Programming	3	0	3	5	CS 1002
CS 4017	Introduction to Computational Biology	3	0	3	5	CS 1002
CS 4022	Introduction to Computational Nanoscience	3	0	3	5	CS 1002, MATH 2005
IE 4007	Decision Support Systems	3	0	3	5	
IE 4015	Human-Centered Systems for Societal Transformation	3	0	3	5	
IE 4016	Decision Support in Health Industry	3	0	3	5	
IE 4024	Smart and Sustainable Systems Design	3	0	3	5	
IE 4030	IE Client Project Challenge	3	0	3	5	
IE 4040	Introduction to Fuzzy Logic	3	0	3	5	

**NUMBER OF COURSES AND
TOTAL CREDITS**

**NUMBER OF COURSES
57**

**CREDITS
133**

**ECTS
240**

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