ANTALYA BILIM UNIVERSITY
FACULTY OF ENGINEERING AND NATURAL SCIENCES,
DEPARTMENT OF CİVİL 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	Technical Drawing for Civil Engineering	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.**

8 Spring 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	
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	
CS 4005	Web Programming	3	0	3	5	CS 1002
CS 4017	Introduction to Computational Biology	3	0	3	5	CS 1002
EE 4005	Biomedical Imaging	3	0	3	5	
EE 4009	Digital Signal Processing	3	0	3	5	
IE 4007	Decision Support Systems	3	0	3	5	
IE 4015	Human-Centered Systems for Societal Transformation	3	0	3	5	
ME 4003	Introduction to Acoustics	3	0	3	5	
CE 4005	Strenght of Materials II	3	0	3	5	CE 2007 (attempt except FX)
CE 4008	Traffic Systems	3	0	3	5	
CE 4010	Water Quality Modeling	3	0	3	5	CE 2001 (attempt except FX)
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 4020	Engineering For Sustainable Development	3	0	3	5	
CE 4000	Internship II	0	2	1	5	CE 3000
CE 4001	Project I	2	2	3	5	Completion of 160 ECTS successfully
CE 4002	Project II	4	4	6	10	CE4001
IE 4030	IE Client Project Challenge	3	0	3	5	
IE 4040	Introduction to Fuzzy Logic	3	0	3	5	
IE 4016	Decision Support in Health Industry	3	0	3	5	
MATH 4050	Basic Geometry in Engineering	3	0	3	5	
ME 4020	Solar Energy	3	0	3	5	
CE 4023	Engineering Aesthetics	3	0	3	5	
CE 4024	Urban Planning	3	0	3	5	
CS 4022	Introduction to Computational Nanoscience	3	0	3	5	CS 1002, MATH 2005
EE 4006	Introduction to Solar Energy Engineering	3	0	3	5	
IE 4024	Smart and Sustainable Systems Design	3	0	3	5	
ME 4004	Data Visualization in Engineering	3	0	3	5	
CE 4006	Coastal and Harbour Structures	3	0	3	5	
CE 4007	Geotechnical Eartquake Engineering	3	0	3	5	
CE 4009	Concrete Technology	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 4021	Intelligent Transportation Systems	3	0	3	5	
CE 4022	Environmental Engineering	3	0	3	5	

NUMBER OF COURSES AND TOTAL CREDITS	NUMBER OF COURSES	CREDITS	ECTS
	57	133	240

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