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

		2025 - 2026	ACADEMI	C CURRICU	LUM									
			FRESHM	AN										
1							Pre / Co							
Fall S	emester		Theory	Practical	Credits	ECTS	-requisite							
TURK 101	Turkish Language I		2	0	2	2								
CE 1021	Technical Drawing for Civil Engineering	g	2	2	3	3								
MATH 1001			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 CE 1013	Introduction to Programming I Earth Sciences		3 2	0	2	6 5								
CE 1013	Introduction to Civil Engineering and E	-thics	2	0	2	3								
CL 1011	introduction to civil Engineering and E	TOTAL	18	6	21	30	3							
2							Pre / Co							
∠ Bahar I	Dönemi		Theory	Practical	Credits	ECTS	-requisite							
TURK 102	Turkish Language II		2	0	2	2								
ENEN 1002	English for Engineers II		3	0	3	3								
MATH 1002			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	TOTAL	2 21	2 4	3 23	4 30								
		TOTAL	21	7	23	30								
	COURSES NI	JMBER OF COURSES	CRE	DITS	EC	TS								
CORE COU	RSES	8	1	18	4	4								
GENERAL C	COURSES	5	1	10	1	0								
AREA ELEC	CTIVE COURSES	2		6	(6								
NON-AREA	ELECTIVE COURSES	0		0	0									
	1st YEAR TOTAL	15	3	34	6	0								
						SOPHOMORE								
			SOPHOMO	ORE										
3					C III	5070	Pre / Co							
3 Fall Se			Theory	Practical	Credits	ECTS	Pre / Co -requisite							
ENWH 1001	Worker Health and Occupational Safe	ty I	Theory 2	Practical 0	2	2								
ENWH 1001 ENEN 1001	Worker Health and Occupational Safe English for Engineers I	ty I	Theory 2 3	Practical 0 0	2	2	-requisite							
ENWH 1001 ENEN 1001 MATH 2003	Worker Health and Occupational Safe English for Engineers I Differential Equations	ty I	Theory 2 3 4	Practical 0 0 0	2 3 4	2 3 5								
ENWH 1001 ENEN 1001 MATH 2003 CE 2001	Worker Health and Occupational Safe English for Engineers I Differential Equations Hydrology	ty I	Theory 2 3 4 3	Practical 0 0 0 0	2 3 4 3	2 3 5 5	-requisite							
ENWH 1001 ENEN 1001 MATH 2003 CE 2001 CE 2003	Worker Health and Occupational Safe English for Engineers I Differential Equations Hydrology Dynamics	ty I	Theory 2 3 4 3 3 3	Practical	2 3 4 3 3	2 3 5 5 5	-requisite							
ENWH 1001 ENEN 1001 MATH 2003 CE 2001 CE 2003 CE 2005	Worker Health and Occupational Safe English for Engineers I Differential Equations Hydrology Dynamics Material Science for Civil Engineering	ty I	Theory 2 3 4 3 3 3 3 3	Practical	2 3 4 3 3 3	2 3 5 5 5 5	-requisite MATH 1002							
ENWH 1001 ENEN 1001 MATH 2003 CE 2001 CE 2003	Worker Health and Occupational Safe English for Engineers I Differential Equations Hydrology Dynamics	ty I TOTAL	Theory 2 3 4 3 3 3	Practical	2 3 4 3 3	2 3 5 5 5	-requisite							
ENWH 1001 ENEN 1001 MATH 2003 CE 2001 CE 2003 CE 2005	Worker Health and Occupational Safe English for Engineers I Differential Equations Hydrology Dynamics Material Science for Civil Engineering		Theory 2 3 4 3 3 3 3 3 3	Practical 0 0 0 0 0 0 0 0 0 0	2 3 4 3 3 3 3	2 3 5 5 5 5 5	-requisite MATH 1002							
ENWH 1001 ENEN 1001 MATH 2003 CE 2001 CE 2003 CE 2005 CE 2007	Worker Health and Occupational Safe English for Engineers I Differential Equations Hydrology Dynamics Material Science for Civil Engineering Strength of Material		Theory 2 3 4 3 3 3 3 3 3	Practical 0 0 0 0 0 0 0 0 0 0	2 3 4 3 3 3 3	2 3 5 5 5 5 5	-requisite MATH 1002							
ENWH 1001 ENEN 1001 MATH 2003 CE 2001 CE 2003 CE 2005 CE 2007	Worker Health and Occupational Safe English for Engineers I Differential Equations Hydrology Dynamics Material Science for Civil Engineering		Theory 2 3 4 3 3 3 3 3 3	Practical 0 0 0 0 0 0 0 0 0 0	2 3 4 3 3 3 3	2 3 5 5 5 5 5	-requisite MATH 1002 CE 1012 (attempt except FX)							
ENWH 1001 ENEN 1001 MATH 2003 CE 2001 CE 2003 CE 2005 CE 2007	Worker Health and Occupational Safe English for Engineers I Differential Equations Hydrology Dynamics Material Science for Civil Engineering Strength of Material		Theory 2 3 4 3 3 3 21	Practical 0 0 0 0 0 0 0 0 0 0	2 3 4 3 3 3 3 21	2 3 5 5 5 5 5 5 5 5	-requisite MATH 1002 CE 1012 (attempt except FX) Pre / Co							
ENWH 1001 ENEN 1001 MATH 2003 CE 2001 CE 2003 CE 2005 CE 2007 A Spring MATH 2006 CE 2002	Worker Health and Occupational Safe English for Engineers I Differential Equations Hydrology Dynamics Material Science for Civil Engineering Strength of Material Semester Numerical Analysis for Engineers Structural Analysis I		Theory 2 3 4 3 3 3 3 21 Theory 4 3	Practical	2 3 4 3 3 3 3 21 Credits 4 3	2 3 5 5 5 5 5 5 5 30	-requisite MATH 1002 CE 1012 (attempt except FX) Pre / Co							
ENWH 1001 ENEN 1001 MATH 2003 CE 2001 CE 2003 CE 2005 CE 2007 A Spring MATH 2006 CE 2002 CE 2004	Worker Health and Occupational Safe English for Engineers I Differential Equations Hydrology Dynamics Material Science for Civil Engineering Strength of Material Semester Numerical Analysis for Engineers Structural Analysis I Construction Material		Theory 2 3 4 3 3 3 3 21 Theory 4 3 2	Practical	2 3 4 3 3 3 3 21 Credits 4 3 3	2 3 5 5 5 5 5 5 5 30	-requisite MATH 1002 CE 1012 (attempt except FX) Pre / Co							
ENWH 1001 ENEN 1001 MATH 2003 CE 2001 CE 2003 CE 2005 CE 2007 A Spring MATH 2006 CE 2002 CE 2004 CHM 1001	Worker Health and Occupational Safe English for Engineers I Differential Equations Hydrology Dynamics Material Science for Civil Engineering Strength of Material Semester Numerical Analysis for Engineers Structural Analysis I Construction Material General Chemistry		Theory 2 3 4 3 3 3 21 Theory 4 3 2 3	Practical 0 0 0 0 0 0 0 0 0 Practical 0 2 0	2 3 4 3 3 3 3 21 Credits 4 3 3	2 3 5 5 5 5 5 5 5 30	-requisite MATH 1002 CE 1012 (attempt except FX) Pre / Co							
ENWH 1001 ENEN 1001 MATH 2003 CE 2001 CE 2003 CE 2005 CE 2007 A Spring MATH 2006 CE 2002 CE 2004 CHM 1001 CE 2006	Worker Health and Occupational Safe English for Engineers I Differential Equations Hydrology Dynamics Material Science for Civil Engineering Strength of Material Semester Numerical Analysis for Engineers Structural Analysis I Construction Material General Chemistry Fluid Mechanics for Civil Engineering		Theory 2 3 4 3 3 3 21 Theory 4 3 2 3 3 3	Practical 0 0 0 0 0 0 0 0 0 0 Practical 0 2 0 0	2 3 4 3 3 3 3 21 Credits 4 3 3 3 3	2 3 5 5 5 5 5 5 30 ECTS 5 5 5 5 5	-requisite MATH 1002 CE 1012 (attempt except FX) Pre / Co							
ENWH 1001 ENEN 1001 MATH 2003 CE 2001 CE 2003 CE 2005 CE 2007 A Spring MATH 2006 CE 2002 CE 2004 CHM 1001	Worker Health and Occupational Safe English for Engineers I Differential Equations Hydrology Dynamics Material Science for Civil Engineering Strength of Material Semester Numerical Analysis for Engineers Structural Analysis I Construction Material General Chemistry	TOTAL	Theory 2 3 4 3 3 3 3 21 Theory 4 3 2 3 3 3 3 3	Practical 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2 3 4 3 3 3 3 21 Credits 4 3 3 3 3	2 3 5 5 5 5 5 5 30 ECTS 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	-requisite MATH 1002 CE 1012 (attempt except FX) Pre / Co							
ENWH 1001 ENEN 1001 MATH 2003 CE 2001 CE 2003 CE 2005 CE 2007 A Spring MATH 2006 CE 2002 CE 2004 CHM 1001 CE 2006	Worker Health and Occupational Safe English for Engineers I Differential Equations Hydrology Dynamics Material Science for Civil Engineering Strength of Material Semester Numerical Analysis for Engineers Structural Analysis I Construction Material General Chemistry Fluid Mechanics for Civil Engineering		Theory 2 3 4 3 3 3 21 Theory 4 3 2 3 3 3	Practical 0 0 0 0 0 0 0 0 0 0 Practical 0 2 0 0	2 3 4 3 3 3 3 21 Credits 4 3 3 3 3	2 3 5 5 5 5 5 5 30 ECTS 5 5 5 5 5	-requisite MATH 1002 CE 1012 (attempt except FX) Pre / Co							
ENWH 1001 ENEN 1001 MATH 2003 CE 2001 CE 2003 CE 2005 CE 2007 A Spring MATH 2006 CE 2002 CE 2004 CHM 1001 CE 2006	Worker Health and Occupational Safe English for Engineers I Differential Equations Hydrology Dynamics Material Science for Civil Engineering Strength of Material Semester Numerical Analysis for Engineers Structural Analysis I Construction Material General Chemistry Fluid Mechanics for Civil Engineering Transportation Engineering	TOTAL	Theory 2 3 4 3 3 3 3 21 Theory 4 3 2 3 3 18	Practical 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 2	2 3 4 3 3 3 3 21 Credits 4 3 3 3 3 3 19	2 3 5 5 5 5 5 5 30 ECTS 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	-requisite MATH 1002 CE 1012 (attempt except FX) Pre / Co							
ENWH 1001 ENEN 1001 MATH 2003 CE 2001 CE 2003 CE 2005 CE 2007 A Spring MATH 2006 CE 2002 CE 2004 CHM 1001 CE 2006 CE 2008	Worker Health and Occupational Safe English for Engineers I Differential Equations Hydrology Dynamics Material Science for Civil Engineering Strength of Material Semester Numerical Analysis for Engineers Structural Analysis I Construction Material General Chemistry Fluid Mechanics for Civil Engineering Transportation Engineering	TOTAL TOTAL JMBER OF COURSES	Theory 2 3 4 3 3 3 3 21 Theory 4 3 2 3 3 18	Practical 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 2 0	2 3 4 3 3 3 3 21 Credits 4 3 3 3 3 3 19	2 3 5 5 5 5 5 5 30 ECTS 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	-requisite MATH 1002 CE 1012 (attempt except FX) Pre / Co							
ENWH 1001 ENEN 1001 MATH 2003 CE 2001 CE 2003 CE 2005 CE 2007 A Spring MATH 2006 CE 2002 CE 2004 CHM 1001 CE 2006 CE 2008 CORE COUR	Worker Health and Occupational Safe English for Engineers I Differential Equations Hydrology Dynamics Material Science for Civil Engineering Strength of Material Semester Numerical Analysis for Engineers Structural Analysis I Construction Material General Chemistry Fluid Mechanics for Civil Engineering Transportation Engineering COURSES NU RSES	TOTAL	Theory 2 3 4 3 3 3 21 Theory 4 3 2 3 3 18	Practical	2 3 4 3 3 3 3 21 Credits 4 3 3 3 3 3 19	2 3 5 5 5 5 5 5 30 ECTS 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	-requisite MATH 1002 CE 1012 (attempt except FX) Pre / Co							
ENWH 1001 ENEN 1001 MATH 2003 CE 2001 CE 2003 CE 2005 CE 2007 A Spring MATH 2006 CE 2002 CE 2004 CHM 1001 CE 2008 CORE COUL GENERAL CO	Worker Health and Occupational Safe English for Engineers I Differential Equations Hydrology Dynamics Material Science for Civil Engineering Strength of Material Semester Numerical Analysis for Engineers Structural Analysis I Construction Material General Chemistry Fluid Mechanics for Civil Engineering Transportation Engineering COURSES NU RSES	TOTAL TOTAL JMBER OF COURSES 8	Theory 2 3 4 3 3 3 21 Theory 4 3 2 3 3 18	Practical 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 2 0	2 3 4 3 3 3 3 21 Credits 4 3 3 3 3 19	2 3 5 5 5 5 5 5 30 ECTS 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	-requisite MATH 1002 CE 1012 (attempt except FX) Pre / Co							
ENWH 1001 ENEN 1001 MATH 2003 CE 2001 CE 2003 CE 2005 CE 2007 Spring MATH 2006 CE 2002 CE 2004 CHM 1001 CE 2006 CE 2008 CORE COUL GENERAL CAREA ELEC	Worker Health and Occupational Safe English for Engineers I Differential Equations Hydrology Dynamics Material Science for Civil Engineering Strength of Material Semester Numerical Analysis for Engineers Structural Analysis I Construction Material General Chemistry Fluid Mechanics for Civil Engineering Transportation Engineering COURSES NI RSES COURSES	TOTAL TOTAL JMBER OF COURSES 8 4	Theory 2 3 4 3 3 3 21 Theory 4 3 2 3 3 18	Practical	2 3 4 3 3 3 3 21 Credits 4 3 3 3 3 19	2 3 5 5 5 5 5 5 30 ECTS 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	-requisite MATH 1002 CE 1012 (attempt except FX) Pre / Co							
ENWH 1001 ENEN 1001 MATH 2003 CE 2001 CE 2003 CE 2005 CE 2007 Spring MATH 2006 CE 2002 CE 2004 CHM 1001 CE 2006 CE 2008 CORE COUL GENERAL CAREA ELEC	Worker Health and Occupational Safe English for Engineers I Differential Equations Hydrology Dynamics Material Science for Civil Engineering Strength of Material Semester Numerical Analysis for Engineers Structural Analysis I Construction Material General Chemistry Fluid Mechanics for Civil Engineering Transportation Engineering COURSES NU RSES COURSES CTIVE COURSES	TOTAL JMBER OF COURSES 8 4 2	Theory 2 3 4 3 3 3 21 Theory 4 3 2 3 3 18	Practical 0 0 0 0 0 0 0 0 0 0 0 Practical 0 0 2 0 0 2 EDITS	2 3 4 3 3 3 3 21 Credits 4 3 3 3 3 19	2 3 5 5 5 5 5 5 30 ECTS 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	-requisite MATH 1002 CE 1012 (attempt except FX) Pre / Co							

JUNIOR								
5 Fall Se	mester		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

			SENIO	R			
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 40	01 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.

0							Pre / Co
O Sprin	g Semester		Theory	Practical	Credits	ECTS	-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	
Cooperativ	e Education Elective Course 2**						
CECOOP 40	02 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 TOT	AL 14	35	60

AREA	ELECTIVE COURS	SES	Theory	Practical	Credits	ECTS	
CS 4005	Web Programming		3	0	3	5	CS 1002
CS 4017	Introduction to Computational B	iology	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 So	cietal 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	ŗn	3	0	3	5	
CE 4020	Engineering For Sustainable Dev	elopment	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 Indus	try	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 N	lanoscience	3	0	3	5	CS 1002, MATH 2005
EE 4006	Introduction to Solar Energy Eng	ineering	3	0	3	5	
IE 4024	Smart and Sustainable Systems I	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 Enginee	ring	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 System	ns	3	0	3	5	
CE 4022	Environmental Engineering		3	0	3	5	
NUMB	ER OF COURSES AND	NUMBER OF COURSES		EDITS		CTS	
•	TOTAL CREDITS 57		1	33	2	40	

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