

Curriculum Applied to Students Entering in 2022 and Later (Civil Engineering)

CURRICULUM						
Semester 1						
Code	Course Title	C	P	L	Cr	ECTS
LIBE 120	Foundations and Frontiers of Science	2	0	2	3	5
ENG 101	English for Academic Purposes	2	2	0	3	5
LIBE110	Critical Perspectives on Humanity	3	0	0	3	5
PHYS 101	General Physics I	3	0	2	4	6
MATH 101	Calculus of One Variable	3	2	0	4	7
TUR 101/150	Turkish I/Turkish for Foreigners I	2	0	0	2	2
TEDU 101	First Year Experience at TEDU	0	0	0	0	1
	Semester Credits	15	4	4	19	31
Semester 2						
Code	Course Title	C	P	L	Cr	ECTS
ENG 102	Expository Writing	2	2	0	3	5
MATH 102	Multivariable Calculus	3	2	0	4	7
TUR 102/160	Turkish II/Turkish for Foreigners II	2	0	0	2	2
CMPE 113	Fundamentals of Programming I	2	0	2	3	5
CHEM 101	General Chemistry	3	0	0	3	5
LIBE 140	Social and Political Studies	3	0	0	3	5
TEDU102	Service Learning	1	0	0	1	1
	Semester Credits	16	4	2	19	30
Semester 3						
Code	Course Title	C	P	L	Cr	ECTS
CE 211	Engineering Mechanics I	3	0	0	3	5
LIBE 150	World Literature	3	0	0	3	5
MATH 203	Linear Algebra and Differential Equations	3	0	0	3	5
MATH 310	Numerical Methods in Engineering	2	0	2	3	5
PHYS 102	General Physics II	3	0	2	4	6
LIBE 130	Art and Design	3	0	0	3	5
	Semester Credits	17	0	4	19	31
Semester 4						
Code	Course Title	C	P	L	Cr	ECTS
CE 212	Engineering Mechanics II	3	0	0	3	5
CE 214	Introduction to Mechanics of Materials	3	0	2	4	6
CE 221	Materials Science	3	0	2	4	6
CE 232	Fluid Mechanics	3	0	0	3	6
MATH 240	Introduction to Probability and Statistics for Engineers	3	0	0	3	6
	Semester Credits	15	0	4	17	29

Semester 5						
Code	Course Title	C	P	L	Cr	ECTS
CE 300	Computer Aided Technical Drawing and BIM Applications	0	0	6	3	6
CE 311	Structural Analysis	3	0	0	3	6
CE 331	Hydromechanics	3	0	2	4	6
CE 341	Soil Mechanics	3	0	2	4	6
CE 399	Summer Practice I	1	0	0	1	5
	Semester Credits	10	0	10	15	29
Semester 6						
Code	Course Title	C	P	L	Cr	ECTS
CE 312	Fundamentals of Steel Design	3	0	0	3	6
CE 314	Reinforced Concrete Fundamentals	3	0	0	3	6
CE 332	Water Resources Engineering	3	0	0	3	6
CE 342	Foundation Engineering I	3	0	0	3	6
Math/Sci Elective	Math/Science Elective I	3	0	0	3	5
	Semester Credits	15	0	0	15	29
Semester 7						
Code	Course Title	C	P	L	Cr	ECTS
CE 451	Construction Engineering and Management	3	0	0	3	6
CE 499	Summer Practice II	1	0	0	1	5
CE	Departmental Elective I	3	0	0	3	6
CE	Departmental Elective II	3	0	0	3	6
FREE	Free Elective I	3	0	0	3	5
HIST 101/HIST 150	History of Turkish Republic I	2	0	0	2	2
	Semester Credits	15	0	0	15	30
Semester 8						
Code	Course Title	C	P	L	Cr	ECTS
CE 410	Civil Engineering Design	2	2	0	3	12
CE 452	Practical Aspects of Construction Management	3	0	0	3	6
CE	Departmental Elective III	3	0	0	3	6
FREE	Free Elective II	3	0	0	3	5
HIST 102/HIST 160	History of Turkish Republic II	2	0	0	2	2
	Semester Credits	13	2	0	14	31
	Total credits required for graduation	116	10	24	133	240