

Curriculum Applied to Entering Students in 2025 and After (Computer Engineering)

CURRICULUM						
Semester 1						
Code	Course Title	C	P	L	Cr	ECTS
CMPE 113	Fundamentals of Programming I	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
MATH 101	Calculus of One Variable	3	2	0	4	7
PHYS 101	General Physics I	3	0	2	4	6
TEDU 101	First Year Experience at TEDU	0	0	0	0	1
TUR 101	Turkish I	2	0	0	2	2
	Semester Credits Total	15	4	4	19	31
Semester 2						
Code	Course Title	C	P	L	Cr	ECTS
CMPE 114	Fundamentals of Programming II	2	0	2	3	6
ENG 102	Expository Writing	2	2	0	3	5
LIBE 120	Foundations and Frontiers of Science	2	2	0	3	5
MATH 102	Multivariable Calculus	3	2	0	4	7
PHYS 102	General Physics II	3	0	2	4	6
TEDU102	Service Learning	1	0	0	1	1
TUR 102	Turkish II	2	0	0	2	2
	Semester Credits Total	15	6	4	20	32
Semester 3						
Code	Course Title	C	P	L	Cr	ECTS
CMPE 223	Data Structures and Algorithms I	3	0	0	3	6
CMPE 232	Database Systems	3	0	0	3	5
EE 207	Electrical Circuits & Logic Design	2	0	2	3	6
HIST 101	History of Turkish Republic I	2	0	0	2	2
LIBE 140	Social and Political Studies	3	0	0	3	5
MATH 220	Linear Algebra	3	0	0	3	6
	Semester Credits Total	16	0	2	17	30
Semester 4						
Code	Course Title	C	P	L	Cr	ECTS
CMPE 224	Data Structures and Algorithms II	3	0	0	3	6
CMPE 252	C Programming	2	0	2	3	6
HIST 102	History of Turkish Republic II	2	0	0	2	2
LIBE 130	Art and Design	3	0	0	3	5
MATH 244	Differential Equations	3	0	0	3	6
MATH 250	Discrete Mathematics for Engineering	3	0	0	3	5
	Semester Credits Total	16	0	2	17	30

Semester 5						
Code	Course Title	C	P	L	Cr	ECTS
CMPE 327	Theory of Computation	3	0	0	3	6
CMPE 361	Computer Organization	2	0	2	3	6
CMPE 371	Signals and Systems for Computer Engineering	3	0	0	3	6
CMPE 399	Summer Practice I	1	0	0	1	2
LIBE 150	World Literature	3	0	0	3	5
MATH 240	Introduction to Probability and Statistics for Engineers	3	0	0	3	6
	Semester Credits Total	15	0	2	16	31
Semester 6						
Code	Course Title	C	P	L	Cr	ECTS
CMPE	Departmental Elective	3	0	0	3	5
CMPE 326	Concepts of Programming Languages	3	0	0	3	5
CMPE 382	Operating Systems	3	0	0	3	5
FREE	Free Elective	3	0	0	3	5
MATH/SCI	Math/Sci Elective	3	0	0	3	5
SENG 214	Software Engineering	3	0	0	3	6
	Semester Credits Total	18	0	0	18	31
Semester 7						
Code	Course Title	C	P	L	Cr	ECTS
CMPE	Departmental Elective	3	0	0	3	5
CMPE 421	Artificial Intelligence	3	0	0	3	5
CMPE 453	Embedded Systems	2	0	2	3	6
CMPE 491	Senior Project I	1	2	0	2	5
CMPE 499	Summer Practice II	1	0	0	1	3
ENG 490	Contemporary Issues in Engineering	2	2	0	3	5
	Semester Credits Total	12	4	2	15	29
Semester 8						
Code	Course Title	C	P	L	Cr	ECTS
CMPE	Departmental Elective III	3	0	0	3	5
CMPE 472	Computer Networks	2	0	2	3	6
CMPE 492	Senior Project II	1	8	0	5	12
FREE	Free Elective II	3	0	0	3	5
	Semester Credits Total	9	8	2	14	28
	Total credits required for graduation	116	22	18	136	242