

Curriculum Applied to Entering Students in 2022 and After (Computer Engineering)

CURRICULUM						
Semester 1						
Code	Course Title	C	P	L	Cr	ECTS
LIBE 120	Foundations and Frontiers of Science	3	0	0	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 Total	16	4	2	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
CHEM 101	General Chemistry	3	0	0	3	5
CMPE 113	Fundamentals of Programming I	2	0	2	3	5
LIBE 140	Social and Political Studies	3	0	0	3	5
TEDU102	Service Learning	1	0	0	1	1
	Semester Credits Total	16	4	2	19	30
Semester 3						
Code	Course Title	C	P	L	Cr	ECTS
CMPE 232	Database Systems	3	0	0	3	5
MATH 203	Lineer Algebra and Differential Equations	3	0	0	3	5
PHYS 102	General Physics II	3	0	2	4	6
HIST 101	History of Turkish Republic I	2	0	0	2	2
EE 207	Electrical Circuits & Logic Design	2	0	2	3	6
CMPE 114	Programlamanın Temelleri II	2	0	2	3	6
	Semester Credits Total	15	0	6	18	30
Semester 4						
Code	Course Title	C	P	L	Cr	ECTS
HIST 102	History of Turkish Republic II	2	0	0	2	2
CMPE 223	Data Structures and Algorithms I	3	0	0	3	6
LIBE 130	Art and Design	3	0	0	3	5
MATH 250	Discrete Mathematics for Engineering	3	0	0	3	5
MATH 240	Introduction to Probability and Statistics for Engineers	3	0	0	3	6
CMPE 252	C Programming	2	0	2	3	6
	Semester Credits Total	16	0	2	17	30

Semester 5						
Code	Course Title	C	P	L	Cr	ECTS
CMPE 399	Summer Practice I	1	0	0	1	2
LIBE 150	World Literature	3	0	0	3	5
CMPE 224	Data Structures and Algorithms II	3	0	0	3	6
CMPE 371	Signals and Systems for Computer Engineering	3	0	0	3	6
CMPE 327	Theory of Computation	3	0	0	3	6
CMPE 361	Computer Organization	3	0	0	3	6
	Semester Credits Total	16	0	0	16	31
Semester 6						
Code	Course Title	C	P	L	Cr	ECTS
SENG 214	Software Engineering	3	0	0	3	6
CMPE 382	Operating Systems	3	0	0	3	5
CMPE	Departmental Elective I	3	0	0	3	5
Math/Sci Elective	Math/Sci Elective I	3	0	0	3	5
FREE	Free Elective I	3	0	0	3	5
CMPE 326	Concepts of Programming Languages	3	0	0	3	5
	Semester Credits Total	18	0	0	18	31
Semester 7						
Code	Course Title	C	P	L	Cr	ECTS
CMPE 499	Summer Practice II	1	0	0	1	3
CMPE 491	Senior Project I	1	2	0	2	5
CMPE 453	Embedded Systems	2	0	2	3	6
CMPE	Departmental Elective II	3	0	0	3	5
ENG 490	Contemporary Issues in Engineering	2	2	0	3	5
CMPE 421	Artificial Intelligence	3	0	0	3	5
	Semester Credits Total	12	4	2	15	29
Semester 8						
Code	Course Title	C	P	L	Cr	ECTS
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
CMPE	Departmental Elective III	3	0	0	3	5
	Semester Credits Total	9	8	2	14	28
	Total credits required for graduation	118	20	16	136	240