

CURRICULUM – 2021

Semester 1

Code	Course Name	T	P	L	C	ECTS
CMPE 113	Introduction to Programming I	1	0	4	3	5
ENG 101	Academic English Skills	2	2	0	3	5
CC	Sci/Soc/Hum/Lit/Art	3	0	0	3	5
PHYS 105	Physics I	3	0	2	4	6
MATH 101	Single Variable Calculus	3	2	0	4	7
HIST 101	History of the Republic of Turkey I	2	0	0	2	2
Semester Credits		14	4	6	19	30

Semester 2

Code	Course Name	T	P	L	C	ECTS
ENG 102	Academic Writing	2	2	0	3	5
MATH 102	Multivariable Calculus	3	2	0	4	7
HIST 102	History of the Republic of Turkey II	2	0	0	2	2
CMPE 114	Introduction to Programming II	2	0	2	3	6
CC	Sci/Soc/Hum/Lit/Art	3	0	0	3	5
CC	Sci/Soc/Hum/Lit/Art	3	0	0	3	5
Semester Credits		15	4	2	18	30

Semester 3

Code	Course Name	T	P	L	C	ECTS
CMPE 223	Data Structures and Algorithms I	3	0	0	3	6
MATH 203	Linear Algebra and Differential Equations	3	0	0	3	5
CMPE 201	Discrete Structures of Mathematics	3	0	0	3	6
TUR 101	Turkish I	2	0	0	2	2
CC	Sci/Soc/Hum/Lit/Art	3	0	0	3	5
CMPE 361	Computer Organization	3	0	0	3	6
Semester Credits		17	0	0	17	30

Semester 4

Code	Course Name	T	P	L	C	ECTS
TUR 102	Turkish II	2	0	0	2	2

CMPE 232-N	Database Systems	3	0	0	3	5
CC	Sci/Soc/Hum/Lit/Art	3	0	0	3	5
CMPE 327	Theory of Computation	3	0	0	3	6
CMPE 224	Data Structures and Algorithms II	3	0	0	3	6
SENG 214	Software Engineering	3	0	0	3	6
Semester Credits		17	0	0	17	30

Semester 5

Code	Course Name	T	P	L	C	ECTS
SENG 399	Summer Internship	1	0	0	1	2
ED	Minor Field	3	0	0	3	5
FREE	Free Elective	3	0	0	3	5
CMPE 472	Computer Networks	2	0	2	3	6
CMPE 325	Information Security and Cryptography	3	0	0	3	5
CMPE 360	Computer Graphics	3	0	0	3	5
Semester Credits		15	0	2	16	28

Semester 6

Code	Course Name	T	P	L	C	ECTS
CMPE 442	Introduction to Machine Learning	3	0	0	3	5
CMPE 382	Operating Systems	3	0	0	3	5
BT/BS	Department Track / Elective	3	0	0	3	5
FREE	Free Elective	3	0	0	3	5
CMPE 326	Programming Language Concepts	3	0	0	3	5
ED	Minor Field	3	0	0	3	5
Semester Credits		18	0	0	18	30

Semester 7

Code	Course Name	T	P	L	C	ECTS
SENG 499	Cooperative Education	1	0	0	1	4
SENG 491	Graduation Project I	1	4	0	3	8
BT/BS	Department Track / Elective	3	0	0	3	5
BT/BS	Department Track / Elective	3	0	0	3	5
ED	Minor Field	3	0	0	3	5
ED	Minor Field	3	0	0	3	5
Semester Credits		14	4	0	16	32

Semester 8

Code	Course Name	T	P	L	C	ECTS
SENG 442	Parallel and Distributed Computing	3	0	0	3	6
SENG 492	Graduation Project II	1	4	0	3	8
SENG 444	Social Issues and Professional Practices in Computing	3	0	0	3	5
BT/BS	Department Track / Elective	3	0	0	3	5
TEDU 400	Student Development Seminar	0	0	0	0	1
ED	Minor Field	3	0	0	3	5
Semester Credits		13	4	0	15	30
Total Credits Required for Graduation		123	16	10	136	240