Department of Computer Engineering 2023 Bachelor's Degree Programme

GENEL TOPLAM >> | 134 | 10 | 22 | 150 | 240

1. YEAR

1. Semester (Semester 1)

No	Course Code	Course Name	T	O	L	C	ECTS	Prerequisite
1	MAT101	Calculus I	4	0	0	4,0	6	
2	FIZ101	Physics I	3	0	2	4,0	6	
3	UOZTD1	Turkish Language I	2	0	0	2,0	2	
4	UOZYD1	Foreign Language I	2	1	0	2,5	2	
5	KIM101	General Chemistry	3	0	2	4,0	5	
6	CEN101	Computer Programming I	3	0	2	4,0	6	
7	CEN103	Introduction to Computer Engineering	2	0	0	2,0	5	
		Total	19	1	6	22,5	32	

2. Semester (Semester 2)

No	Course Code	Course Name	T	O	L	C	ECTS	Prerequisite
1	MAT102	Calculus II	4	0	0	4,0	6	
2	FIZ102	Physics II	3	0	2	4,0	6	
3	UOZTD2	Turkish Language II	2	0	0	2,0	2	
4	UOZYD2	Foreign Language II	2	1	0	2,5	2	
5	UOD102	Career Planning	1	0	0	1,0	2	
6	MAT104	Linear Algebra	3	0	0	3,0	4	
7	CEN102	Computer Programming II	3	0	2	4,0	6	
		Total	18	1	4	20,5	28	

2. YEAR

3. Semester (Semester 3)

No	Course Code	Course Name	T	O	L	C	ECTS	Prerequisite
1	UOZTA1	Ataturk's Principles and History of Turkish Revolution I	2	0	0	2,0	2	
2	MAT201	Differential Equations	3	0	0	3,0	4	
3	CEN201	Electronic Circuits	2	0	2	3,0	5	
4	CEN203	Data Structures and Algorithms	3	2	0	4,0	6	CEN102
5	CEN205	Technical English I	2	0	0	2,0	3	
6	CES251	Department Elective Course I	3	0	0	3,0	6	
7	USD251	University Elective Course I	2	0	0	2,0	3	
		Total	17	2	2	19	29	

4. Semester (Semester 4)

No	Course Code	Course Name	T	O	L	C	ECTS	Prerequisite
1	UOZTA2	Ataturk's Principles and History of Turkish Revolution II	2	0	0	2,0	2	
2	MMF202	Probability and Statistics	3	0	0	3,0	4	
3	MMFSAY	Numerical Methods	3	0	0	3,0	4	
4	CEN202	Discrete Mathematics	3	0	0	3,0	6	
5	CEN204	Digital Logic Design	3	0	2	4,0	6	
6	CEN206	Technical English II	2	0	0	2,0	3	
7	CES252	Department Elective Course II	3	0	0	3,0	6	
		Total	19	0	2	20	31	

3. YEAR

5. Semester (Semester 5)

No	Course Code	Course Name	T	O	L	C	ECTS	Prerequisite
1	MMFIS1	Occupational Health and Safety I	2	0	0	2,0	2	
2	CEN301	Summer Practice I	0	0	0	0,0	3	
3	CEN303	Database Management Systems	3	0	2	4,0	6	
4	CEN305	Computer Architecture	3	0	0	3,0	5	CEN204
5	CEN307	Artificial Intelligence	3	0	2	4,0	4	
6	CEN309	Automata Theory	3	0	0	3,0	5	
7	CES351	Department Elective Course III	3	0	0	3,0	6	
		Total	17	0	4	19	31	

6. Semester (Semester 6)

No	Course Code	Course Name	T	O	L	C	ECTS	Prerequisite
1	MMFIS2	Occupational Health and Safety II	2	0	0	2,0	2	
2	MMFPRY	Project Management	3	0	0	3,0	3	
3	CEN304	Operating Systems	3	0	0	3,0	5	
4	CEN306	Microprocessors and Applications	3	0	2	4,0	5	CEN204
5	CEN308	Computer Networks	3	0	2	4,0	5	
6	CES352	Department Elective Course IV	3	0	0	3,0	6	
7	USD352	University Elective Course II	2	0	0	2,0	3	
		Total	19	0	4	21	29	

4. YEAR

7. Semester (Semester 7)

No	Course Code	Course Name	T	O	L	C	ECTS	Prerequisite
1	MMFETK	Engineering Ethics	1	0	0	1,0	2	
2	CEN401	Summer Practice II	0	0	0	0,0	3	
3	CEN403	Algorithm Analysis and Design	3	0	0	3,0	4	CEN203
4	CEN405	Software Engineering	3	2	0	4,0	5	CEN102
5	CEN407	Final Project I	0	2	0	1,0	8	
6	CES451	Department Elective Course V	3	0	0	3,0	6	
7	MMS451	Faculty Elective Course I	3	0	0	3,0	4	
		Total	13	4	0	15	32	

8. Semester (Semester 8)

OPTION-1

No	Course Code	Course Name	T	O	L	C	ECTS	Prerequisite
1	CEN402	Final Project II	0	2	0	1,0	8	
2	CES452	Department Elective Course VI	3	0	0	3,0	6	
3	CES454	Department Elective Course VII	3	0	0	3,0	6	
4	MMS452	Faculty Elective Course II	3	0	0	3,0	4	
5	MMS454	Faculty Elective Course III	3	0	0	3,0	4	

OPTION-2

No	Course Code	Course Name	T	O	L	C	ECTS	Prerequisite
1	CES456	Professional Training in Business	0	26	0	13,0	28	

			T	O	L	C	ECTS	
		Option-1 Total	12	2	0	13	28	
		Option-2 Total	0	26	0	13	28	

GRAND TOTAL Option-1 >> | 134 | 10 | 22 | 150 | 240
GRAND TOTAL Option-2 >> | 122 | 34 | 22 | 150 | 240

*Students who choose the Professional Training in Business option will be exempt from other courses in the 8th semester.