

ALANYA ALAADDİN KEYKUBAT UNIVERSITY
RAFET KAYIŞ FACULTY OF ENGINEERING
DEPARTMENT OF MECHANICAL ENGINEERING
COMPUTER ENGINEERING (%100 ENGLISH) BACHELOR (D.E.)
2020/2021 DETAILED EDUCATION TEACHING CURRICULUM

I. YEAR

I. SEMESTER

COURSE CODE	COURSE NAME	COURSE HOUR			LOCAL KREDİ	ECTS	COURSE TYPE	TEACHING LANGUAGE	SIDE CONDITION STATUS	SIDE CONDITION CODE	PRECONDITION STATUS	PRECONDITION CODE	GROUP STATUS	GROUP COURSE CODE	DESCRIPTION CODE
		T	P	L											
COM 101	Mathematics I	4	0	0	5	5	C	English	N	-	N	-	N	-	-
COM 103	Physics I	3	0	1	5	5	C	English	N	-	N	-	N	-	-
TDB 101	Turkish Language I	2	0	0	2	2	C	Turkish	N	-	N	-	N	-	-
ATA 101	Principles of Atatürk and Turkish Revolution History I	2	0	0	2	2	C	Turkish	N	-	N	-	N	-	-
COM 105	Linear Algebra	3	0	0	4	4	C	English	N	-	N	-	N	-	-
COM 107	Computer Sciences	3	2	0	6	6	C	English	N	-	N	-	N	-	-
COM 109	Introduction to Computer Engineering	1	0	0	2	2	C	English	N	-	N	-	N	-	-
SEC 101	NON-TECHNICAL ELECTIVE COURSE*	3	0	0	4	4	CE	English	N	-	N	-	Y	-	I
TOTAL		21	2	1	30	30									

I. YEAR

II. SEMESTER

COURSE CODE	COURSE NAME	COURSE HOUR			LOCAL KREDİ	ECTS	COURSE TYPE	TEACHING LANGUAGE	SIDE CONDITION STATUS	SIDE CONDITION CODE	PRECONDITION STATUS	PRECONDITION CODE	GROUP STATUS	GROUP COURSE CODE	DESCRIPTION CODE
		T	P	L											
COM 102	Mathematics II	4	0	0	5	5	C	English	N	-	N	-	N	-	-
COM 104	Physics II	3	0	1	5	5	C	English	N	-	N	-	N	-	-
TDB 102	Turkish Language II	2	0	0	2	2	C	Turkish	N	-	N	-	N	-	-
ATA 102	Principles of Atatürk and Turkish Revolution History II	2	0	0	2	2	C	Turkish	N	-	N	-	N	-	-
COM 106	Discrete Mathematics	3	0	0	4	4	C	English	N	-	N	-	N	-	-
COM 108	Introduction to Programming	3	0	2	6	6	C	English	N	-	N	-	N	-	-
SEC 102	ELECTIVE COURSE I (OUT OF AREA)*	2	0	0	2	2	CE	English	N	-	N	-	Y	-	I
SEC 104	NON-TECHNICAL ELECTIVE COURSE*	3	0	0	4	4	CE	English	N	-	N	-	Y	-	I
TOTAL		22	0	3	30	30									

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II. YEAR

III. SEMESTER

COURSE CODE	COURSE NAME	COURSE HOUR			LOCAL KREDİ	ECTS	COURSE TYPE	TEACHING LANGUAGE	SIDE CONDITION STATUS	SIDE CONDITION CODE	PRECONDITION STATUS	PRECONDITION CODE	GROUP STATUS	GROUP COURSE CODE	DESCRIPTION CODE
		T	P	L											
COM 201	Data Structures and Algorithms	3	0	0	5	5	C	English	N	-	Y	COM 108	N	-	-
COM 203	Electronics for Computer Engineering	3	0	0	5	5	C	English	N	-	N	-	N	-	-
COM 205	Digital Logic Design	3	0	0	5	5	C	English	N	-	N	-	N	-	-
COM 205L	Digital Logic Design Laboratory	0	0	2	2	2	C	English	Y	COM 205	N	-	N	-	-
COM 207	Object Oriented Programming	3	0	0	5	5	C	English	N	-	Y	COM 108	N	-	-
COM 209	Probability and Statistics	3	0	0	4	4	C	English	N	-	N	-	N	-	-
COM 211	Numerical Methods	3	0	0	4	4	C	English	N	-	N	-	N	-	-
TOTAL		18	0	2	30	30									

II. YEAR

IV. SEMESTER

COURSE CODE	COURSE NAME	COURSE HOUR			LOCAL KREDİ	ECTS	COURSE TYPE	TEACHING LANGUAGE	SIDE CONDITION STATUS	SIDE CONDITION CODE	PRECONDITION STATUS	PRECONDITION CODE	GROUP STATUS	GROUP COURSE CODE	DESCRIPTION CODE
		T	P	L											
COM 202	Programming Languages	3	0	0	6	6	C	English	N	-	Y	COM 108	N	-	-
COM 204	Digital Logic Systems	3	0	0	5	5	C	English	N	-	Y	COM 205	N	-	-
COM 204L	Digital Logic Systems Laboratory	0	0	2	2	2	C	English	Y	COM 204	N	-	N	-	-
COM 206	Data Management and File Structures	3	0	0	5	5	C	English	N	-	N	-	N	-	-
COM 208	Differential Equations	4	0	0	5	5	C	English	N	-	N	-	N	-	-
COM 210	Engineering Ethics	1	0	0	2	2	C	English	N	-	N	-	N	-	-
SEC 201	Elective Course(Technical Course)	3	0	0	5	5	CE	English	N	-	N	-	N	-	1
SEC 201.1	Human-Computer Interaction and U	3	3	0	5	5	E	English	N	-	N	-	N	SEC 201	-
SEC 201.2	Web-based Programming														
SEC 201.3	Mobile Application Development														
SEC 201.4	Multimedia Systems														
TOTAL		17	0	2	30	30									

III. YEAR

V. SEMESTER

COURSE CODE	COURSE NAME	COURSE HOUR			LOCAL KREDİ	ECTS	COURSE TYPE	TEACHING LANGUAGE	SIDE CONDITION STATUS	SIDE CONDITION CODE	PRECONDITION STATUS	PRECONDITION CODE	GROUP STATUS	GROUP COURSE CODE	DESCRIPTION CODE
		T	P	L											
COM 301	Internship I	0	0	0	0	0	C	English	N	-	N	-	N	-	A
COM 303	Computer Architecture	3	0	0	6	6	C	English	N	-	Y	COM 205	N	-	-
COM 305	Software Engineering	3	0	0	5	5	C	English	N	-	N	-	N	-	-
COM 307	Operating Systems	3	0	0	5	5	C	English	N	-	N	-	N	-	-
COM 307L	Operating Systems Laboratory	0	0	1	1	1	C	English	Y	COM 307	N	-	N	-	-
COM 309	Algorithms and Analysis of Algorithms	3	0	0	5	5	C	English	N	-	N	-	N	-	-
SEC 301	Elective Course(Technical Course)	3	0	0	4	4	CE	English	N	-	-	-	Y	-	1
SEC 301.1	Operations Research	3	0	0	4	4	E	English	N	-	N	-	Y	SEC 301	-
SEC 301.2	Modern Approaches to Software De										Y	COM 207			
SEC 301.3	Social Network and Social Network										Y	COM 106			
SEC 301.4	Introduction to E-Commerce										N	-			
SEC 303	NON-TECHNICAL ELECTIVE COURSE*	3	0	0	4	4	CE	English	N	-	N	-	Y	-	1
TOTAL		18	0	1	30	30									

III. YEAR

VI. SEMESTER

COURSE CODE	COURSE NAME	COURSE HOUR			LOCAL KREDİ	ECTS	COURSE TYPE	TEACHING LANGUAGE	SIDE CONDITION STATUS	SIDE CONDITION CODE	PRECONDITION STATUS	PRECONDITION CODE	GROUP STATUS	GROUP COURSE CODE	DESCRIPTION CODE
		T	P	L											
COM 302	Automata Theory and Formal Language	3	0	0	6	6	C	English	N	-	N	-	N	-	-
COM 304	Microprocessors	3	0	0	6	6	C	English	N	-	Y	-	N	-	-
COM 304L	Microprocessors Laboratory	0	0	2	2	2	C	English	Y	COM 304	N	-	N	-	-

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COM 306	Computer Networks	3	0	0	6	6	C	English	N	-	N	-	N	-	-
COM 308	Database Management Systems	3	0	0	6	6	C	English	N	-	N	-	N	-	-
SEC 302	NON-TECHNICAL ELECTIVE COURSE*	3	0	0	4	4	CE	English	N	-	N	-	Y	-	1
TOTAL		15	0	2	30	30									

IV. YEAR

VII. SEMESTER

COURSE CODE	COURSE NAME	COURSE HOUR			LOCAL KREDİ	ECTS	COURSE TYPE	TEACHING LANGUAGE	SIDE CONDITION STATUS	SIDE CONDITION CODE	PRECONDITION STATUS	PRECONDITION CODE	GROUP STATUS	GROUP COURSE CODE	DESCRIPTION CODE
		T	P	L											
COM 401	Computer Engineering Seminar	0	4	0	6	6	C	English	N	-	N	-	N	-	-
COM 403	Internship II	0	0	0	0	0	C	English	N	-	N	-	N	-	A
ISG 401	Occupational Health and Safety I	2	0	0	2	2	C	English	N	-	N	-	N	-	-
SEC 401	Elective Course (Technical Course)*	3	0	0	6	6	CE	English	N	-	N	-	Y	-	3
SEC 403	NON-TECHNICAL ELECTIVE COURSE*	3	0	0	4	4	CE	English	N	-	N	-	Y	-	1
TOTAL		14	0	0	30	30									

IV. YEAR

VIII. SEMESTER

COURSE CODE	COURSE NAME	COURSE HOUR			LOCAL KREDİ	ECTS	COURSE TYPE	TEACHING LANGUAGE	SIDE CONDITION STATUS	SIDE CONDITION CODE	PRECONDITION STATUS	PRECONDITION CODE	GROUP STATUS	GROUP COURSE CODE	DESCRIPTION CODE
		T	P	L											
COM 402	Graduation Design Project	0	6	0	7	7	C	English	N	-	Y	COM 401	N	-	-
ISG 402	Occupational Health and Safety II	1	0	0	2	2	C	English	N	-	N	-	N	-	-
SEC 402	Elective Course(Technical Course)*	3	0	0	5	5	CE	English	N	-			Y	-	3
SEC 404	NON-TECHNICAL ELECTIVE COURSE*	3	0	0	4	4	CE	English	N	-	N	-	Y	-	1
SEC 406	ELECTIVE COURSE II (OUT OF AREA)*	2	0	0	2	2	CE	English	N	-	N	-	Y	-	1
TOTAL		15	6	0	30	30									

*Abbreviations: T: Theoretical, P: Practice, L: Laboratory, C: Compulsory, E: Elective, CE: Compulsory Elective, Y: Yes, N: No

DESCRIPTIONS

1 Only 1 (one) course from the related group must be selected.

2 Only 2 (two) courses from the related group must be selected.

3 Only 3 (three) courses from the related group must be selected.

A Students must complete their workplace training (internships) provided that they are at least 40 working days from the second grade. Those who complete their workplace education are considered successful from this course. The workplace education course does not participate in the grade point average.

* Appropriate elective course list has been enclosed.