

Computer Engineering Course Plan

Student's Catalog Term: After 2021-2022 Fall Semester

1. Semester

Course Code	Course Title	Credit	Theoretical	Tutorial	Lab.	ECTS	Type	Compulsory/Elective	S
FIZ 101E	Physics I	3	3	0	0	4.5	BS	C	1
FIZ 101EL	Physics I Laboratory	1	0	0	2	1.5	BS	C	1
BLG 101E	Introduction to Information Systems	2	1	2	0	5	BE	C	1
BLG 113E	Intr. to Computer Engineering and Ethics	1.5	1	1	0	5	BE	C	1
MAT 103E	Mathematics I	4	3	2	0	6	BS	C	1
MAT 281E	Linear Algebra and Applications	3	3	0	0	4	BS	C	1

ING 100	EAP Through Global Goals	3	3	0	0	3.5	GE	C	1
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2. Semester

Course Code	Course Title	Credit	Theoretical	Tutorial	Lab.	ECTS	Type	Compulsory
BLG 112E	Discrete Mathematics	3	3	0	0	5	BS	C
BLG 102E	Int to Scientific&Eng.Computing (C)	4	3	2	0	8	BE	C
MAT 104E	Mathematics II	4	3	2	0	6.5	BS	C
FIZ 102E	Physics II	3	3	0	0	4.5	BS	C
FIZ 102EL	Physics II Laboratory	1	0	0	2	1.5	BS	C
ING 112A	Basics of Academic Writing	2	2	0	0	3.5	GE	C
DAN 102	Entrepreneurship and Career Advising	0	0	2	0	1	GE	C



3. Semester

Course Code	Course Title	Credit	Theoretical	Tutorial	Lab.	ECTS	Type	Compulsory/Elective	S
BLG 210E	Engineering Mathematics	4	4	0	0	5.5	BS	C	3
BLG 231E	Digital Circuits	3	3	0	0	4.5	BE	C	3
BLG 223E	Data Structures	3.5	3	1	0	8	ED	C	3
EHB 222E	Introduction to Electronics	3	3	0	0	4.5	BE	C	3
EHB 211E	Basics of Electrical Circuits	3	3	0	0	5	BE	C	3
ING 201A	Essentials of Research Paper Writing	2	2	0	0	3.5	GE	C	3



4. Semester

Course Code	Course Title	Credit	Theoretical	Tutorial	Lab.	ECTS	Type	Compulsory/Elective	S
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BLG 252E	Object Oriented Programming	3	3	0	0	5	ED	C	4
BLG 222E	Computer Organization	3	3	0	0	4.5	ED	C	4
BLG 242E	Logic Circuits Laboratory	1	0	0	2	4	BE	C	4
BLG 202E	Numerical Methods in Computer Engineering	3	3	0	0	5	BS	C	4
BLG 311E	Formal Languages and Automata	3	3	0	0	5	BS	C	4
TUR 121	Turkish I	0	2	0	0	2	GE	C	4
	4th Semester Elective Courses	3				4	GE	E	4

5. Semester

Course Code	Course Title	Credit	Theoretical	Tutorial	Lab.	ECTS	Type	Compulsory/Elective
BLG 335E	Analysis of Algorithms I	3	3	0	0	4.5	ED	C

MAT 271E	Probability and Statistics	3	3	0	0	5	BS	C
BLG 351E	Microcomputer Laboratory	1	0	0	2	2	ED	C
TUR 122	Turkish II	0	2	0	0	2	GE	C
BLG 317E	Database Systems	3	3	0	0	4.5	ED	C
BLG 212E	Microprocessor Systems	3	3	0	0	7	ED	C
EHB 311E	Introduction to Electronics Laboratory	1	0	0	2	3	BE	C
	5th Semester Elective Courses	3				4/5	BE	E

6. Semester

Course Code	Course Title	Credit	Theoretical	Tutorial	Lab.	ECTS	Type	Compulsory/Elective
BLG 322E	Computer Architecture	3	3	0	0	6	ED	C
BLG 312E	Computer Operating Systems	3	3	0	0	5	ED	C

BLG 336E	Analysis of Algorithms II	3	3	0	0	5	BE	C
ATA 121	History of Turkish Revolution I	0	2	0	0	2	GE	C
BLG 354E	Signal and Systems for Computer Engineers	3	3	0	0	6	BE	C
BLG 374E	Technical Communication for Computer Engineers	1	0	2	0	3	GE	C
	6th Semester Elective Courses	3				4/5	BE	E

7. Semester

Course Code	Course Title	Credit	Theoretical	Tutorial	Lab.	ECTS	Type	Compulsory/Elective	S
ATA 122	History of Turkish Revolution II	0	2	0	0	2	GE	C	7
BLG 411E	Software Engineering	3	3	0	0	8	ED	C	7

BLG 4901E	Computer Engineering Design I	3	1	4	0	8	ED	C	7
	7.th Sems. Elect. CourseI(MT)	2/3				4/5/6	ED	E	7
	7.th Sems. Elect. CourseII(MT)	2/3				4/5/6	ED	E	7
	7th Semester Elective Courses	3				4	GE	E	7

8. Semester

Course Code	Course Title	Credit	Theoretical	Tutorial	Lab.	ECTS	Type	Compulsory/Elective	S
BLG 4902E	Computer Engineering Design II	5	1	8	0	12	ED	C	8
EKO 201E	Economics	3	3	0	0	4	GE	C	8
	8.th Sems. Elect. CourseI(MT)	2/3				4/5/6	ED	E	8

	8.th Sems. Elect. Course(TM)	3				4/5	BE	E	8
	8.th Sems. Elect. CourseII(MT)	2/3				4/5/6	ED	E	8

TOTAL CREDIT : 130 TOTAL ECTS : 241

