

ENGINEERING FACULTY
DEPARTMENT OF COMPUTER ENGINEERING / INFORMATION SYSTEM ENGINEERING
COURSE PLAN

(As proposed in the Faculty Board Meeting No.2025/2 on 06.08.2025 and approved in the University Senate Meeting No. 2025/15 on 03.09.2025)

I. SEMESTER

Course Code	Course Name	T	A	L	C	ECTS C	Prerequisite
MATE 112	Mathematics I	3	2	0	4.0	6	
MATE 113	Linear Algebra	3	0	0	3.0	5	
PHYE 112	Physics I	3	0	2	4.0	6	
COMP 111	Introduction to Computer Engineering	2	1	0	2.5	3	
COMP 112	Computer Programming I	3	0	2	4.0	6	
TUR C001	Turkish Language I	2	0	0	0.0	2	
ATA C001	Atatürk's Principles and History of Revolution I	2	0	0	0.0	2	
Total		18	3	4	17.5	30	

II. SEMESTER

Course Code	Course Name	T	A	L	C	ECTS C	Prerequisite
MATE 122	Mathematics II	3	2	0	4.0	6	
PHYE 122	Physics II	3	0	2	4.0	6	
COMP 121	Computer Programming II	3	0	2	4.0	6	
COMP 126	Discrete Mathematics	3	0	0	3.0	6	
TUR C002	Turkish Language II	2	0	0	0.0	2	
ATA C002	Atatürk's Principles and History of Revolution II	2	0	0	0.0	2	
CAR C01	Career Planning	1	0	0	0.0	1	
Total		17	2	4	15.0	29	

III. SEMESTER

Course Code	Course Name	T	A	L	C	ECTS C	Prerequisite
ENF 211	Probability and Statistics	3	0	0	3.0	5	
ENF 216	Differential Equations	4	0	0	4.0	6	MATE 122
ELK 219	Fundamentals of Electric Circuits	3	0	0	3.0	5	
COMP 211	Object-Oriented Programming	3	0	2	4.0	6	COMP 121
COMP 212	GUI Programming	3	0	2	4.0	6	
COMP S01	Industrial Training I	0	0	0	0.0	3	
Total		16	0	4	18.0	31	

IV. SEMESTER

Course Code	Course Name	T	A	L	C	ECTS C	Prerequisite
COMP 221	Data Structures	3	0	0	3.0	6	COMP 211
COMP 222	Computer Networks and Internet	3	0	0	3.0	5	
ELK 229	Fundamentals of Electronic Devices and Circuits	3	0	0	3.0	5	ELK 219
	Faculty Elective Course-2	3	0	0	3.0	5	
	Social Elective Course	3	0	0	3.0	5	
	Social Elective Course	3	0	0	3.0	5	
Total		18	0	0	18.0	31	

Total local credit of 1st and 2nd years: 68.5 Total ECTS C: 121

T: Lecture hours per week, U: Tutorial hours per week, L: Laboratory hours per week, C: Local credits

ECTS C: European Credit Transfer System credits

V. SEMESTER

Course Code	Course Name	T	A	L	C	ECTS C	Prerequisite
COMP 311	Database Management Systems	3	0	2	4.0	7	
COMP 312	Algorithms	3	0	0	3.0	5	COMP 221
COMP 313	Web Programming	3	0	2	4.0	7	
ELK 212	Digital Design	2	2	1	3.5	6	ELK 229
	Social Elective Course	3	0	0	3.0	5	
Total		14	2	5	17.5	30	

VI. SEMESTER

Course Code	Course Name	T	A	L	C	ECTS C	Prerequisite
COMP 322	Operating Systems	3	0	2	4.0	7	
COMP 324	Software Engineering	3	0	0	3.0	5	
COMP 325	Computer Architecture	3	0	0	3.0	5	ELK 212
	Technical Elective Course	3	0	0	3.0	5	
	Social Elective Course	3	0	0	3.0	5	
COMP S02	Industrial Training II	0	0	0	0.0	3	COMP S01
Total		15	0	2	16.0	30	

VII. SEMESTER

Course Code	Course Name	T	A	L	C	ECTS C	Prerequisite
COMP 411	Dissertation Project I	2	3	0	3.5	8	COMP 325
ENF 411	Occupational Health and Safety	2	0	0	2.0	3	
	Technical Elective Course	3	0	0	3.0	5	
	Technical Elective Course	3	0	0	3.0	5	
	Social Elective Course	3	0	0	3.0	5	
	Faculty Elective Course-1	3	0	0	3.0	5	COMP 325
Total		16	3	0	17.5	31	

VIII. SEMESTER

Course Code	Course Name	T	A	L	C	ECTS C	Prerequisite
COMP 421	Dissertation Project II	2	3	0	3.5	8	COMP 411
	Technical Elective Course	3	0	0	3.0	5	
	Technical Elective Course	3	0	0	3.0	5	
	Social Elective Course	3	0	0	3.0	5	
	Faculty Elective Course-2	3	0	0	3.0	5	
Total		14	3	0	15.5	28	

Total local credit of 3rd and 4th years: 66.5 Total ECTS C: 119

T: Lecture hours per week, U: Tutorial hours per week, L: Laboratory hours per week, C: Local credits

ECTS C: European Credit Transfer System credits

Total Local Credits:	135.0
Total AKTS Credits:	240