

1.Semester Course Plan				
Course Code	Course Name	T+A+L	Compulsory/Elective	ECTS
BMÜ1101	PROGRAMMING I	3+0+0	Compulsory	6
BMÜ1103	PROGRAMMING LABORATORY I	0+2+0	Compulsory	4
BMÜ1105	INTRODUCTION TO COMPUTER ENGINEERING	2+0+0	Compulsory	3
BMÜ1107	BASIC INFORMATION AND COMMUNICATION TECHNOLOGIES	2+0+0	Compulsory	2
FİZ1101	PHYSICS I	3+2+0	Compulsory	5
MAT1101	MATHEMATICS I	4+0+0	Compulsory	6
TRD1103	TURKISH LANGUAGE I	2+0+0	Compulsory	2
YDİ1103	ENGLISH-I	2+0+0	Compulsory	2
Total ECTS				30

2.Semester Course Plan				
Course Code	Course Name	T+A+L	Compulsory/Elective	ECTS
BMÜ1102	PROGRAMMING II	3+0+0	Compulsory	7
BMÜ1104	PROGRAMMING LABORATORY II	0+2+0	Compulsory	4
DJT100	DIGITAL LITERACY	2+0+0	Compulsory	3
FİZ1102	PHYSICS II	3+2+0	Compulsory	6
MAT1102	MATHEMATICS II	4+0+0	Compulsory	6
TRD1104	TURKISH LANGUAGE II	2+0+0	Compulsory	2
YDİ1104	ENGLISH II	2+0+0	Compulsory	2
Total ECTS				30

3.Semester Course Plan				
Course Code	Course Name	T+A+L	Compulsory/Elective	ECTS
AIT2203	ATATURK'S PRINCIPLES AND HISTORY OF TURKISH REVOLUTION I	2+0+0	Compulsory	2
BMÜ2201	OBJECT ORIENTED PROGRAMMING	3+0+0	Compulsory	6
BMÜ2203	OBJECT ORIENTED PROGRAMMING LABORATORY	0+2+0	Compulsory	3
BMÜ2205	DISCRETE MATHEMATICAL STRUCTURES	3+0+0	Compulsory	5
BMÜ2207	LOGICAL DESIGN	3+0+0	Compulsory	5
BMÜ2209	PROBABILITY	3+0+0	Compulsory	5
BMÜ2211	PROFESSIONAL ENGLISH	2+0+0	Compulsory	2
İSG2297	OCCUPATIONAL HEALTH AND SAFETY-I	2+0+0	Compulsory	2
Total ECTS				30

4.Semester Course Plan				
Course Code	Course Name	T+A+L	Compulsory/Elective	ECTS
AIT2204	ATATURK'S PRINCIPLES AND HISTORY OF TURKISH REVOLUTION II	2+0+0	Compulsory	2
BMÜ2202	DATA STRUCTURES	3+0+0	Compulsory	5
BMÜ2204	DATA STRUCTURES LABORATORY	0+2+0	Compulsory	2
BMÜ2206	COMPUTER STRUCTURE	3+0+0	Compulsory	4
BMÜ2208	LOGICAL DESIGN LABORATORY	0+2+0	Compulsory	2
BMÜ2210	İSTATİSTİK	3+0+0	Compulsory	5
BMÜ2212	BASIC LINEAR ALGEBRA	3+0+0	Compulsory	4
EMÜ2232	BASIC ELECTRIC CIRCUITS AND ELECTRONICS	3+0+0	Compulsory	4
İSG2298	OCCUPATIONAL HEALTH AND SAFETY-II	2+0+0	Compulsory	2
FRM202	OPTIONAL FORMATION ELECTIVE COURSES (2 COURSES WILL BE SELECTE	-	Elective	7
Total ECTS				37

FOR212	INTRODUCTION TO EDUCATION	3+0+0	Elective	4
FOR214	CLASSROOM MANAGEMENT	2+0+0	Elective	3

5.Semester Course Plan				
Course Code	Course Name	T+A+L	Compulsory/Elective	ECTS
BMÜ3301	Algorithms	3+0+0	Compulsory	5
BMÜ3303	ALGORITHMS LABORATORY	0+2+0	Compulsory	2
BMÜ3305	PROGRAMMING LANGUAGES	3+0+0	Compulsory	5
BMÜ3307	INTERNSHIP I	0+1+0	Compulsory	1
BMÜ3309	SYSTEM PROGRAMMING	3+0+0	Compulsory	4
BMÜ3311	DATA MANAGEMENT	3+0+0	Compulsory	4
FRM301	OPTIONAL FORMATION ELECTIVE COURSES (2 COURSES WILL BE SELECTE	-	Elective	8

OSD3301	FREE ELECTIVE OF UNIVERSITY COURSE	-	Elective	3
SEÇ3001	TECHNICAL ELECTIVE COURSE (1 COURSE SELECTED)	-	Elective	6
Total ECTS				38
BMÜ3313	IMAGE PROCESSING	3+0+0	Elective	6
BMÜ3315	COMPUTER GRAPHICS	3+0+0	Elective	6
BMÜ3317	WEB PROGRAMMING	3+0+0	Elective	6
BMÜ3319	NUMERICAL ANALYSIS	3+0+0	Elective	6
BMÜ3321	HUMAN COMPUTER INTERACTION	3+0+0	Elective	6
BMÜ3323	SOFTWARE REQUIREMENTS	3+0+0	Elective	6
BMÜ3325	SOCIAL AND ECONOMIC NETWORKS	3+0+0	Elective	6
BMÜ3327	SERVER SOFTWARE TECHNOLOGIES	3+0+0	Elective	6
FOR311	SPECIAL TEACHING METHODS	3+0+0	Elective	4
FOR313	GUIDANCE AND SPECIAL EDUCATION	3+0+0	Elective	4

6.Semester Course Plan

Course Code	Course Name	T+A+L	Compulsory/Elective	ECTS
BMÜ3302	OPERATING SYSTEMS	3+0+0	Compulsory	5
BMÜ3304	SOFTWARE ENGINEERING	3+0+0	Compulsory	4
BMÜ3306	DATABASE MANAGEMENT SYSTEMS	3+0+0	Compulsory	4
BMÜ3308	DATABASE MANAGEMENT SYSTEMS LABORATORY	0+2+0	Compulsory	2
FRM302	OPTIONAL FORMATION ELECTIVE COURSES (2 COURSES WILL BE SELECTE	-	Elective	8
OSD3302	FREE ELECTIVE OF UNIVERSITY COURSE	-	Elective	3
SEÇ3002	TECHNICAL ELECTIVE COURSES (2 COURSE SELECTED)	-	Elective	12
Total ECTS				38

BMÜ3310	MACHINE LEARNING	3+0+0	Elective	6
BMÜ3312	COMPUTER NETWORKS	3+0+0	Elective	6
BMÜ3314	DATA MINING	3+0+0	Elective	6
BMÜ3316	WEB SERVICES	3+0+0	Elective	6
BMÜ3318	AUTOMATIC CONTROL SYSTEMS	3+0+0	Elective	6
BMÜ3320	MICROPROCESSORS	3+0+0	Elective	6
BMÜ3322	DEVELOPMENTS IN COMPUTER ENGINEERING-I	3+0+0	Elective	6
FOR322	PRINCIPLES AND METHODS OF TEACHING	3+0+0	Elective	4
FOR324	EDUCATION PSYCHOLOGY	3+0+0	Elective	4

7.Semester Course Plan

Course Code	Course Name	T+A+L	Compulsory/Elective	ECTS
BMÜ4401	DESIGN PROJECT I	3+2+0	Compulsory	6
BMÜ4403	INTERNSHIP II	0+1+0	Compulsory	1
BMÜ4405	COMPARATIVE LANGUAGES AND MISSIONS	3+0+0	Compulsory	5
FRM401	OPTIONAL FORMATION ELECTIVE COURSES (2 COURSES WILL BE SELECTE	-	Elective	7
SEÇ4001	TECHNICAL COURSES (3 COURSES IS SELECTED)	-	Elective	18
Total ECTS				37

BMÜ4407	EMBEDDED SYSTEMS	3+0+0	Elective	6
BMÜ4409	MOBILE PROGRAMMING	3+0+0	Elective	6
BMÜ4411	DIGITAL SIGNAL PROCESSING	3+0+0	Elective	6
BMÜ4413	COMPUTER VISION	3+0+0	Elective	6
BMÜ4415	LEARNING LEARNING	3+0+0	Elective	6
BMÜ4417	ROBOTIC	3+0+0	Elective	6
BMÜ4419	STRUCTURE DESIGN	3+0+0	Elective	6
BMÜ4421	DEVELOPMENTS IN COMPUTER ENGINEERING-II	3+0+0	Elective	6
BMÜ4423	INTRODUCTION TO HIGH SUCCESSFUL CALCULATION	3+0+0	Elective	6
BMÜ4425	WIRELESS AND MOBILE NETWORKS	3+0+0	Elective	6
BMÜ4427	GAME PROGRAMMING	3+0+0	Elective	6
BMÜ4429	BIOINFORMATICS	3+0+0	Elective	6
BMÜ4431	CLOUD COMPUTING	3+0+0	Elective	6
FOR411	MEASUREMENT AND EVALUATION IN EDUCATION	3+0+0	Elective	4
FOR413	TEACHING TECHNOLOGIES	2+0+0	Elective	3

8.Semester Course Plan

Course Code	Course Name	T+A+L	Compulsory/Elective	ECTS
BMÜ4402	INFORMATION ETHICS	2+0+0	Compulsory	2
FRM402	OPTIONAL FORMATION ELECTIVE COURSES (1 COURSES WILL BE SELECTE	-	Elective	10
SEÇ4002	TECHNICAL ELECTIVE COURSE (4 COURSES IS SELECTED)	-	Elective	24
SEÇ4004	SOCIAL ELECTIVE COURSE (1 COURSES IS SELECTED)	-	Elective	4
Total ECTS				40

BMÜ4404	DESIGN PATTERNS	3+0+0	Elective	6
BMÜ4406	FUZZY LOGIC	3+0+0	Elective	6
BMÜ4408	NATURAL LANGUAGE PROCESSING	3+0+0	Elective	6
BMÜ4410	NETWORK AND DATA SAFETY	3+0+0	Elective	6
BMÜ4412	OPTIMIZATION	3+0+0	Elective	6
BMÜ4414	PARALLEL PROGRAMMING	3+0+0	Elective	6
BMÜ4416	DESIGN PROJECT II	3+0+0	Elective	6
BMÜ4418	THE INTERNET OF OBJECTS	3+0+0	Elective	6
BMÜ4420	ARTIFICIAL INTELLIGENCE	3+0+0	Elective	6
BMÜ4422	SAFE PROGRAMMING	3+0+0	Elective	6
BMÜ4424	PRECISION AGRICULTURE AND COMPUTER VISION	3+0+0	Elective	6
BMÜ4426	CRYPTOGRAPHY	3+0+0	Elective	6
BMÜ4428	SİMÜLASYON VE MODELLEME	3+0+0	Elective	6
BMÜ4430	TEST ORIENTED DEVELOPMENT	3+0+0	Elective	6
FOR422	TEACHING APPLICATION	1+8+0	Elective	10
MMF01	ENGINEERING ECONOMY	2+0+0	Elective	4
MMF02	ENVIRONMENT AND ENERGY	2+0+0	Elective	4
MMF03	ENGINEERING ETHICS	2+0+0	Elective	4
MMF04	INDUSTRIAL RELATIONS	2+0+0	Elective	4
MMF05	BUSINESS LAW	2+0+0	Elective	4
MMF06	OCCUPATIONAL DISEASES	2+0+0	Elective	4
MMF07	PERSONNEL MANAGEMENT	2+0+0	Elective	4
MMF08	BUSINESS MANAGEMENT	2+0+0	Elective	4
MMF09	PROJECT CYCLE MANAGEMENT	2+0+0	Elective	4
MMF10	ENERGY-SAVING	2+0+0	Elective	4
MMF11	INTELLECTUAL AND INDUSTRIAL PROPERTY	2+0+0	Elective	4