

1.Semester Course Plan				
Course Code	Course Name	T+A+L	Compulsory/Elective	ECTS
BMÜ1163	INTRODUCTION TO COMPUTER PROGRAMMING	2+0+0	Compulsory	2
EMÜ1101	FUNDAMENTALS OF ELECTRICAL-ELECTRONIC ENGINEERING-I	3+0+0	Compulsory	4
EMÜ1103	INTRODUCTION TO ELECTRICAL-ELECTRONIC ENGINEERING	1+0+0	Compulsory	2
FİZ1101	PHYSICS I	3+2+0	Compulsory	6
KİM1101	CHEMISTRY	3+2+0	Compulsory	6
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
BMÜ1164	COMPUTER PROGRAMMING	2+2+0	Compulsory	5
DJT100	DIGITAL LITERACY	2+0+0	Compulsory	3
EMÜ1102	FUNDAMENTALS OF ELECTRICAL-ELECTRONIC ENGINEERING	3+0+0	Compulsory	5
FİZ1102	PHYSICS II	3+2+0	Compulsory	6
MAT1102	MATHEMATICS II	4+0+0	Compulsory	6
MÜ1124	COMPUTER AIDED DRAFTING	2+2+0	Compulsory	4
TRD1104	TURKISH LANGUAGE II	2+0+0	Compulsory	2
YDİ1104	ENGLISH II	2+0+0	Compulsory	2
Total ECTS				33

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
EMÜ2201	CIRCUIT THEORY	4+0+0	Compulsory	6
EMÜ2203	ELECTROMAGNETIC FIELD THEORY	2+0+0	Compulsory	4
EMÜ2205	MEASURING TECHNIQUE	2+0+0	Compulsory	4
EMÜ2207	EMM's BASIC LABORATORY	0+2+0	Compulsory	2
EMÜ2209	ELECTRIC MATERIALS	2+0+0	Compulsory	3
MAT2201	DIFFERENTIAL EQUATIONS	4+0+0	Compulsory	6
MAT2203	LINEAR ALGEBRA I	2+1+0	Compulsory	3
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
EMÜ2202	CIRCUIT ANALYSIS	4+0+0	Compulsory	5
EMÜ2204	NUMERICAL ANALYSIS	2+0+0	Compulsory	4
EMÜ2206	ELECTROMAGNETIC WAVE THEORY	2+0+0	Compulsory	4
EMÜ2208	DIGITAL ELECTRONIC	3+2+0	Compulsory	4
EMÜ2210	ELECTROMECHANIC ENERGY CONVERSION	3+0+0	Compulsory	4
EMÜ2212	PROBABILITY AND STATISTICS	3+0+0	Compulsory	4
EMÜ2214	INTRODUCTION TO AUTOMATION	2+0+0	Compulsory	3
Total ECTS				30

5.Semester Course Plan				
Course Code	Course Name	T+A+L	Compulsory/Elective	ECTS
EMÜ3301	ELEKTRIC MACHINERY I	3+0+0	Compulsory	4
EMÜ3303	ELECTRONICS I	3+2+0	Compulsory	5
EMÜ3305	POWER PLANT	3+0+0	Compulsory	3
EMÜ3307	INTERNSHIP I	0+1+0	Compulsory	1
EMÜ3309	PROFESSIONAL SOFTWARE APPLICATIONS	0+2+0	Compulsory	2
İSG3397	OCCUPATIONAL HEALTH AND SAFETY-I	2+0+0	Compulsory	2
OSD3301	FREE ELECTIVE OF UNIVERSITY COURSE	-	Elective	3
SEÇ3001	TECHNICAL ELECTIVE COURSE	-	Elective	6
SEÇ3003	SOCIAL ELECTIVE COURSE	-	Elective	4
Total ECTS				30

EMÜ3313	SIGNALS AND SYSTEMS	3+0+0	Elective	6
EMÜ3315	INTRODUCTION TO COMMUNICATION THEORY	3+0+0	Elective	6
EMÜ3317	ENGINEERING MECHANICS	3+0+0	Elective	6
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

6.Semester Course Plan

Course Code	Course Name	T+A+L	Compulsory/Elective	ECTS
EMÜ3302	ELEKTRIC MACHINERY II	3+0+0	Compulsory	3
EMÜ3304	ELECTRONICS II	3+2+0	Compulsory	5
EMÜ3306	AUTOMATIC CONTROL I	3+0+0	Compulsory	3
EMÜ3308	ELECTRIC MACHINERY LABORATORY I	0+2+0	Compulsory	2
İSG3398	OCCUPATIONAL HEALTH AND SAFETY-II	2+0+0	Compulsory	2
OSD3302	FREE ELECTIVE OF UNIVERSITY COURSE	-	Elective	3
SEÇ3002	TECHNICAL ELECTIVE LABORATORY COURSES (II COURSES IS SELECTED)	-	Elective	12
Total ECTS				30

EMÜ3310	COMPUTERIZED ANALYSIS IN ELECTRICAL-ELECTRONIC ENGINEERING	3+0+0	Elective	6
EMÜ3312	INDUSTRIAL AUTOMATION	3+0+0	Elective	6
EMÜ3314	ELECTRICAL ENERGY PRODUCTION	3+0+0	Elective	6
EMÜ3316	TRANSMISSION LINES ENGINEERING	3+0+0	Elective	6
EMÜ3318	ARTIFICIAL INTELLIGENCE	3+0+0	Elective	6
EMÜ3320	IMAGE PROCESSING	3+0+0	Elective	6
EMÜ3322	MICROWAVE TECHNIQUE	3+0+0	Elective	6
EMÜ3324	DIGITAL SIGNAL PROCESSING	3+0+0	Elective	6

7.Semester Course Plan

Course Code	Course Name	T+A+L	Compulsory/Elective	ECTS
EMÜ4401	ELECTRICAL-ELECTRONIC ENGINEERING DESIGN	2+0+0	Compulsory	2
EMÜ4403	COMMUNICATION TECHNIQUE I	3+2+0	Compulsory	5
EMÜ4405	MICROPROCESSOR	2+2+0	Compulsory	4
EMÜ4407	ELECTRIC MACHINERY LABORATORY II	0+2+0	Compulsory	2
EMÜ4409	INTERNSHIP II	0+1+0	Compulsory	1
EMÜ4411	LIGHTING TECHNIQUE AND INTERNAL INSTALLATION PROJECT POWER ELI	2+2+0	Compulsory	4
SEÇ4001	TECHNICAL COURSES (2 COURSES IS SELECTED)	-	Elective	12
Total ECTS				30

EMÜ4413	INDUSTRIAL ELECTRIC	3+0+0	Elective	6
EMÜ4415	VISUAL SYSTEMS	3+0+0	Elective	6
EMÜ4417	PROCESS CONTROL	3+0+0	Elective	6
EMÜ4421	AUTOMATIC CONTROL II	3+0+0	Elective	6
EMÜ4423	SPECIAL ELECTRIC MACHINERY	3+0+0	Elective	6
EMÜ4425	ELECTRONIC III	3+0+0	Elective	6
EMÜ4427	ANTENNAS AND PROPAGATION	3+0+0	Elective	6
EMÜ4429	ROBOTIC SYSTEMS	3+0+0	Elective	6
EMÜ4431	PROTECTION IN POWER SYSTEMS	3+0+0	Elective	6

8.Semester Course Plan

Course Code	Course Name	T+A+L	Compulsory/Elective	ECTS
EMÜ4402	COMMUNICATION TECHNIQUE II	3+2+0	Compulsory	5
EMÜ4404	LICENSE THESES	0+2+0	Compulsory	3
EMÜ4406	POWER ELECTRONICS	3+0+0	Compulsory	3
SEÇ4002	TECHNICAL ELECTIVE LABORATORY COURSES (II COURSES IS SELECTED)	-	Elective	4
SEÇ4004	TECHNICAL ELECTIVE COURSE (3 COURSES IS SELECTED)	-	Elective	15
Total ECTS				30

EMÜ4408	HIGH VOLTAGE TECHNIQUES	3+0+0	Elective	5
EMÜ4410	INDUSTRIAL ELECTRONIC	3+0+0	Elective	5
EMÜ4412	MICROCONTROLLER	3+0+0	Elective	5
EMÜ4414	POWER DISTRIBUTION AND PROJECT	3+0+0	Elective	5

EMÜ4416	MEDICAL ELECTRONICS	3+0+0	Elective	5
EMÜ4418	COMPUTER COMMUNICATIONS	3+0+0	Elective	5
EMÜ4420	LOGIC FILTER DESIGN	3+0+0	Elective	5
EMÜ4422	PROGRAMMABLE ELECTRONIC SEQUENCES	3+0+0	Elective	5
EMÜ4424	MOBILE COMMUNICATION	3+0+0	Elective	5
EMÜ4430	POWER ELECTRONICS LABORATORY	0+2+0	Elective	2
EMÜ4432	CONTROL LABORATORY	0+2+0	Elective	2
EMÜ4434	ELECTRICAL LABORATORY FACILITIES	0+2+0	Elective	2

BİNGÖL ÜNİVERSİTESİ