



Alanya Alaaddin Keykubat Üniversitesi
ALANYA CHAMBER OF COMMERCE AND INDUSTRY VOCATIONAL SCHOOL
DEPARTMENT OF ELECTRICS AND ENERGY
ELEKTRİK

1.Semester Course Plan				
Course Code	Course Name	T+A+L	Compulsory/Elective	ECTS
MATA 101	ATATURK'S PRINCIPLES AND HISTORY OF TURKISH REVOLUTION I	2+0+0	Compulsory	2
MBIL 101	INFORMATION AND COMMUNICATION TECHNOLOGY	1+1+0	Compulsory	2
MELK 101	DIRECT CURRENT CIRCUIT ANALYSIS	3+1+0	Compulsory	5
MELK 102	INTRODUCTION TO THE INSTALLATION	3+0+0	Compulsory	4
MELK 103	MEASUREMENT TECHNIQUE	3+1+0	Compulsory	4
MIKL 111	PHYSICS	2+0+0	Compulsory	3
MING 101	ENGLISH I	2+0+0	Compulsory	2
MMAT 111	MATHEMATICS I	4+0+0	Compulsory	4
MTDB 101	TURKISH LANGUAGE I	2+0+0	Compulsory	2
SGS1G	SPORT/FINE ARTS	2+0+0	Elective	2
			Total ECTS	30
Course Groups				
MSGs 107	EFFECTIVE AND BEAUTIFUL SPEAKING	2+0+0	Elective	2
MSGs 133	HEALTHY LIFESTYLE	2+0+0	Elective	2
2.Semester Course Plan				
Course Code	Course Name	T+A+L	Compulsory/Elective	ECTS
MATA 102	ATATURK'S PRINCIPLES AND HISTORY OF TURKISH REVOLUTION II	2+0+0	Compulsory	2
MELK 201	ENERGY MANAGEMENT	2+0+0	Compulsory	3
MELK 202	ALTERNATIVE CURRENT CIRCUIT ANALYSIS	3+1+0	Compulsory	4
MELK 203	TRANSFORMER AND DIRECT CURRENT MACHINES	2+1+0	Compulsory	4
MELK 204	ANALOG ELECTRONICS	2+1+0	Compulsory	4
MELK 205	INTRODUCTION TO WEB DESIGN	1+1+0	Compulsory	3
MING 102	ENGLISH II	2+0+0	Compulsory	2
MMAT 112	MATHEMATICS II	4+0+0	Compulsory	4
MTDB 102	TURKISH LANGUAGE II	2+0+0	Compulsory	2
SGS1B	SPORT/FINE ARTS	2+0+0	Elective	2
			Total ECTS	30
Course Groups				
MSGs 103	SCIENCE HISTORY AND PHILOSOPHY	2+0+0	Elective	2
MSGs 155	ETHIC	2+0+0	Elective	2
3.Semester Course Plan				
Course Code	Course Name	T+A+L	Compulsory/Elective	ECTS
MELK 301	ASYNCHRONOUS SYNCHRONOUS MACHINES	3+1+0	Compulsory	5
MELK 302	POWER ELECTRONICS	3+1+0	Compulsory	5
MELK 303	PANEL DESIGN AND INSTALLATION	3+1+0	Compulsory	4
SD2G	ELECTIVE LESSONS	3+0+0	Elective	4
TSD2G	TECHNICAL ELECTIVE COURSES	3+0+0	Elective	12
			Total ECTS	30
Course Groups				
MELK 304	ELECTRIC POWER PLANTS	3+0+0	Elective	4
MELK 305	ELECTRIC MATERIAL INFORMATION	3+0+0	Elective	4
MELK 306	RESEARCH METHODS IN ELECTRICITY	3+0+0	Elective	4
MELK 307	DIGITAL ELECTRONICS	3+0+0	Elective	4
MELK 308	HOME APPLIANCES	3+0+0	Elective	4
MELK 309	ALGORITHM AND PROGRAMMING	3+0+0	Elective	4
MELK 310	COMPUTER AIDED DESIGN	3+0+0	Elective	4
MELK 311	SMART NETWORKS	3+0+0	Elective	4
MELK 312	MICROCONTROLLERS	3+0+0	Elective	4
MEMY 119	COMMUNICATION AND PUBLIC RELATIONSHIPS	3+0+0	Compulsory	4
MISL 101	INTRODUCTION TO BUSINESS SCIENCE	3+0+0	Elective	4
MMVU 406	OCCUPATIONAL HEALTH AND SAFETY	3+0+0	Elective	4
4.Semester Course Plan				
Course Code	Course Name	T+A+L	Compulsory/Elective	ECTS
MELK 401	SENSORS	2+1+0	Compulsory	5
MELK 402	ELECTROMECHANICAL CONTROL SYSTEMS	2+1+0	Compulsory	5
MELK 403	ELECTRICITY TRANSMISSION AND DISTRIBUTION	2+1+0	Compulsory	4

SD2B	ELECTIVE LESSONS	3+0+0	Elective	4
TSD2B	TECHNICAL ELECTIVE LESSONS	3+0+0	Elective	12
			Total ECTS	30
Course Groups				
MELK 404	SCADA SYSTEMS	3+0+0	Elective	4
MELK 405	FACTORY MANUFACTURING TECHNIQUES	3+0+0	Elective	4
MELK 406	RENEWABLE ENERGY SOURCES	3+0+0	Elective	4
MELK 407	BIOLOGICAL EFFECTS OF ELECTROMAGNETIC WAVES	3+0+0	Elective	4
MELK 408	ELECTRICITY GENERATION WITH SOLAR ENERGY	3+0+0	Elective	4
MELK 409	CONTRACT DISCOVERY AND PLANNING	3+0+0	Elective	4
MELK 410	COMPUTER AIDED CIRCUIT DESIGN	3+0+0	Elective	4
MELK 411	SYSTEM ANALYSIS AND DESIGN	3+0+0	Elective	4
MELK 412	WINDING TECHNIQUE	3+0+0	Elective	4
MEMY 105	QUALITY MANAGEMENT	3+0+0	Elective	4
MISL 301	ENTREPRENEURSHIP	3+0+0	Elective	4
MISL 408	PERSONAL DEVELOPMENT AND CAREER MANAGEMENT	3+0+0	Elective	4