



Alanya Alaaddin Keykubat Üniversitesi

AKSEKİ VOCATIONAL SCHOOL

DEPARTMENT OF ELECTRICS AND ENERGY

ELEKTRİK

1.Semester Course Plan				
Course Code	Course Name	T+A+L	Compulsory/Elective	ECTS
ATA 101	ATATURK'S PRINCIPLES AND REVOLUTION HISTORY I	2+0+0	Compulsory	2
ELK 101	BASIC MATHEMATICS	2+0+0	Compulsory	2
ELK 102	PHYSICS I	2+0+0	Compulsory	2
ELK 103	DIRECT CURRENT CIRCUIT ANALYSIS	3+1+0	Compulsory	5
ELK 104	MEASURING TECHNIQUE	3+1+0	Compulsory	4
ELK 105	DIGITAL ELECTRONICS	3+1+0	Compulsory	5
ING 101	ENGLISH I	2+0+0	Compulsory	2
TDB 101	TURKISH LANGUAGE I	2+0+0	Compulsory	2
SEC 101	OPTIONAL	3+0+0	Elective	4
SEC 103	OPTIONAL	2+0+0	Elective	2
			Total ECTS	30
Course Groups				
ELK 101.1	FIRST AID	3+0+0	Elective	4
ELK 103.1	SPORTS CULTURE I	2+0+0	Elective	2
ELK 103.2	ETHIC	2+0+0	Elective	2
2.Semester Course Plan				
Course Code	Course Name	T+A+L	Compulsory/Elective	ECTS
ATA 102	TATURK'S PRINCIPLES AND THE HISTORY OF THE REVOLUTION II	2+0+0	Compulsory	2
ELK 201	INFORMATION AND COMMUNICATION TECHNOLOGIES	1+1+0	Compulsory	2
ELK 202	VOCATIONAL MATHEMATICS	2+0+0	Compulsory	2
ELK 203	ALTERNATIVE CURRENT CIRCUIT ANALYSIS	3+1+0	Compulsory	5
ELK 204	TRANSFORMER AND DIRECT CURRENT MACHINES	1+1+0	Compulsory	4
ELK 205	PHYSICS II	2+0+0	Compulsory	2
ELK 206	ANALOGUE ELECTRONICS	3+1+0	Compulsory	4
ING 102	ENGLISH II	2+0+0	Compulsory	2
TDB 102	TURKISH LANGUAGE II	2+0+0	Compulsory	2
SEC 102	OPTIONAL	3+0+0	Elective	3
SEC 104	OPTIONAL	2+0+0	Elective	2
			Total ECTS	30
Course Groups				
ELK 102.1	COMMUNICATION AND PUBLIC RELATIONS	3+0+0	Elective	3
ELK 104.1	SPORTS CULTURE II	2+0+0	Elective	2
3.Semester Course Plan				
Course Code	Course Name	T+A+L	Compulsory/Elective	ECTS
ELK 301	COMPUTER AIDED CIRCUIT DESIGN	1+1+0	Compulsory	2
ELK 302	SYSTEM ANALYSIS AND DESIGN I	1+1+0	Compulsory	2
ELK 303	ASYNCHRONOUS SYNCHRONOUS MACHINES	3+1+0	Compulsory	4
ELK 304	PROGRAMMABLE CONTROLLERS	3+1+0	Compulsory	4
ELK 305	MICROCONTROLLERS	3+1+0	Compulsory	4
SEC 201	OPTIONAL	2+0+0	Elective	2
SEC 203	OPTIONAL	3+0+0	Elective	4
SEC205	OPTIONAL	3+1+0	Elective	16
			Total ECTS	38
Course Groups				
ELK 201.1	QUALITY ASSURANCE AND STANDARDS	2+0+0	Elective	2
ELK 203.1	ENTREPRENEURSHIP	3+0+0	Elective	4
ELK 205.1	SPECIAL PLUMBING	3+1+0	Elective	4
ELK 205.2	HYDRAULIC PNEUMATIC	3+1+0	Elective	4
ELK 205.3	PANEL DESIGN AND INSTALLATION	3+1+0	Elective	4
ELK 205.4	RENEWABLE ENERGY SOURCES	3+0+0	Elective	4
ELK 205.5	POWER ELECTRONICS	3+0+0	Elective	4
4.Semester Course Plan				
Course Code	Course Name	T+A+L	Compulsory/Elective	ECTS
ELK 401	WINDING TECHNIQUE	3+1+0	Compulsory	4
ELK 402	ELECTROMECHANICAL CONTROL SYSTEMS	2+1+0	Compulsory	4
ELK 403	ELECTRICAL ENERGY GENERATION, TRANSMISSION AND DISTRIBUTION	2+1+0	Compulsory	3

ELK 404	SYSTEM ANALYSIS AND DESIGN II	1+1+0	Compulsory	2
ELK 405	CONTRACT DISCOVERY AND PLANNING	3+1+0	Compulsory	4
ELK 406	ENERGY MANAGEMENT	2+0+0	Compulsory	2
ELK 407	FAILURE ANALYSIS	2+1+0	Compulsory	3
SEC 202	OPTIONAL	3+0+0	Elective	4
SEC 204	OPTIONAL	2+1+0	Elective	4

Total ECTS	30
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Course Groups

ELK 202.1	PERSONAL DEVELOPMENT AND CAREER MANAGEMENT	3+0+0	Elective	4
ELK 204.1	COMPUTER AIDED DRAWING	2+1+0	Elective	4
ELK 204.2	FACTORY MANUFACTURING TECHNIQUES	2+1+0	Elective	4
ELK 204.3	SENSORS	2+1+0	Elective	4
ELK 204.4	ADVANCED MICROCONTROLLER APPLICATIONS	3+1+0	Elective	4
ELK 204.5	SCADA SYSTEMS	2+1+0	Elective	4