



Alanya Alaaddin Keykubat Üniversitesi
ALANYA CHAMBER OF COMMERCE AND INDUSTRY VOCATIONAL SCHOOL
DEPARTMENT OF ELECTRICS AND ENERGY
İKLİMLENDİRME VE SOĞUTMA TEKNOLOJİSİ

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
BIL 101	INFORMATION AND COMMUNICATION TECHNOLOGY	1+1+0	Compulsory	2
IKL 101	PHYSICS	2+0+0	Compulsory	3
IKL 103	AIR CONDITIONING AND COOLIG TECHNOLOGIES	3+1+0	Compulsory	5
IKL 105	INSTALLATION PROCEDURES	2+1+0	Compulsory	4
IKL 107	MATH I	4+0+0	Compulsory	4
IKL 109	TECHNICAL DRAWING	2+2+0	Compulsory	4
ING 101	ENGLISH I	2+0+0	Compulsory	2
TDB 101	TURKISH LANGUAGE I	2+0+0	Compulsory	2
SEC 101	GENERAL ELECTIVE CULTURE COURSE	2+0+0	Elective	2
			Total ECTS	30
Course Groups				
IKL 101.1	HEALTHY LIFE	2+0+0	Elective	2
IKL 101.10	SOCIOLOGY	2+0+0	Elective	2
IKL 101.11	ETHIC	2+0+0	Elective	2
IKL 101.12	DISASTER AWARENESS	2+0+0	Elective	2
IKL 101.2	NUTRITION	2+0+0	Elective	2
IKL 101.3	EFFECTIVE AND BEAUTIFUL SPEAKING	2+0+0	Elective	2
IKL 101.4	ARCHERY	2+0+0	Elective	2
IKL 101.5	BASKETBALL	2+0+0	Elective	2
IKL 101.6	FOLK DANCES	2+0+0	Elective	2
IKL 101.7	PING PONG	2+0+0	Elective	2
IKL 101.8	PICTURE	2+0+0	Elective	2
IKL 101.9	ANCIENT CITIES	2+0+0	Elective	2
MVU 101.13	HUMAN RIGHTS	2+0+0	Elective	2
2.Semester Course Plan				
Course Code	Course Name	T+A+L	Compulsory/Elective	ECTS
ATA 102	ATATURK'S PRINCIPLES AND REVOLUTION HISTORY II	2+0+0	Compulsory	2
IKL 102	INDIVIDUAL AIR CONDITIONONG SYSTEMS	3+1+0	Compulsory	4
IKL 104	REFRIGERATION SERVICE OPERATIONS	3+1+0	Compulsory	4
IKL 106	HOME TYPE COOLING SYSTEMS	3+1+0	Compulsory	4
IKL 108	MATH II	4+0+0	Compulsory	4
IKL 110	BASIC ELECTRICITY	2+0+0	Compulsory	2
IKL 112	COMPUTER AIDED TECHNICAL DRAWING	2+2+0	Compulsory	4
ING 102	ENGLISH II	2+0+0	Compulsory	2
TDB 102	TURKISH LANGUAGE II	2+0+0	Compulsory	2
SEC 102	GENERAL ELECTIVE CULTURE COURSE	2+0+0	Elective	2
			Total ECTS	30
Course Groups				
IKL 102.1	MEDIA LITERACY	2+0+0	Elective	2
IKL 102.10	THEATER AND CINEMA	2+0+0	Elective	2
IKL 102.11	MATHEMATICAL AESTHETICS	2+0+0	Elective	2
IKL 102.12	BASIC PHOTOGRAPHY	2+0+0	Elective	2
IKL 102.13	MYTHOLOGY	2+0+0	Elective	2
IKL 102.14	SURFING	2+0+0	Elective	2
IKL 102.15	PHILOSOPHY	2+0+0	Elective	2
IKL 102.2	ART HISTORY	2+0+0	Elective	2
IKL 102.3	SCIENCE HISTORY AND PHILOSOPHY	2+0+0	Elective	2
IKL 102.4	BASIC FIRST AID AND EMERGENCY TRAINING	2+0+0	Elective	2
IKL 102.5	BOXİNG, KARATE AND TAEKWONDO	2+0+0	Elective	2
IKL 102.6	FOOTBALL	2+0+0	Elective	2
IKL 102.7	VOLLEYBALL	2+0+0	Elective	2
IKL 102.8	TENNIS	2+0+0	Elective	2
IKL 102.9	MUSIC CULTURE	2+0+0	Elective	2
MVU 102.16	VOLUNTEERING STUDIES	2+0+0	Elective	2
3.Semester Course Plan				
Course Code	Course Name	T+A+L	Compulsory/Elective	ECTS

IKL 203	CENTRAL AIR CONDITIONING SYSTEMS	3+0+0	Compulsory	4
IKL 205	COMMERCIAL REFRIGERATION SYSTEMS	4+0+0	Compulsory	5
IKL 207	AIR CONDITIONING AND REFRIGERATION LABORATORY	2+2+0	Compulsory	5
SEC 201	FIELD ELECTIVE COURSE	2+0+0	Elective	4
SEC 203	TECHNICAL ELECTIVE COURSE	3+0+0	Elective	12

Total ECTS **30**

Course Groups

IKL 201.1	FIRST AID	2+0+0	Elective	2
IKL 201.2	INTRODUCTION TO MANAGEMENT SCIENCE	2+0+0	Elective	2
IKL 201.3	PERSONAL DEVELOPMENT AND CAREER PLANNING	2+0+0	Elective	2
IKL 201.4	OCCUPATIONAL HEALTH AND SAFETY	2+0+0	Elective	2
IKL 201.5	INSULATION TECHNOLOGY	2+0+0	Elective	2
IKL 203.1	ENERGY MANAGEMENT	3+0+0	Elective	3
IKL 203.2	SOLAR REFRIGERATION SYSTEMS	3+0+0	Elective	3
IKL 203.3	WELD TECHNOLOGY	3+0+0	Elective	3
IKL 203.4	VEHICLE AIR CONDITIONING	3+0+0	Elective	3
IKL 203.5	THERMODYNAMICS AND HEAT TRANSFER	3+0+0	Elective	3
IKL 203.6	HEATING SYSTEMS	3+0+0	Elective	3
IKL 203.7	INDUSTRIAL COOLING SYSTEMS	3+0+0	Elective	3

4.Semester Course Plan

Course Code	Course Name	T+A+L	Compulsory/Elective	ECTS
IKL 204	PREVENTIVE MAINTENANCE AND TROUBLESHOOTING	3+1+0	Compulsory	4
IKL 206	COOLING SYSTEM DESIGN	3+1+0	Compulsory	5
IKL 208	VENTILATION SYSTEMS	3+1+0	Compulsory	5
SEC 202	FIELD ELECTIVE COURSE	2+0+0	Elective	4
SEC 204	TECHNICAL ELECTIVE COURSE	3+0+0	Elective	12

Total ECTS **30**

Course Groups

IKL 202.1	ENTREPRENEURSHIP	2+0+0	Elective	2
IKL 202.2	CUSTOMER RELATIONS MANAGEMENT	2+0+0	Elective	2
IKL 202.3	SERVICE MARKETING	2+0+0	Elective	2
IKL 202.4	ECONOMY	2+0+0	Elective	2
IKL 202.5	INDOOR AIR QUALITY	2+0+0	Elective	2
IKL 204.1	PROJECT DESIGN OF HEATING SYSTEMS	3+0+0	Elective	3
IKL 204.2	ELECTRICAL SYSTEM OF AIR CONDITIONING AND COOLING	3+0+0	Elective	3
IKL 204.3	NATURAL-GAS INSTALLATION	3+0+0	Elective	3
IKL 204.4	RENEWABLE ENERGY SOURCES	3+0+0	Elective	3
IKL 204.5	HEAT EXCHANGERS	3+0+0	Elective	3
IKL 204.6	ELECTROMECHANICAL CONTROL CIRCUITS	3+0+0	Elective	3
IKL 204.7	AIR CONDITIONING AND VENTILATION PROJECT	3+0+0	Elective	3