

T.C.  
KİLİS 7 ARALIK ÜNİVERSİTESİ  
VOCATIONAL HIGH SCHOOL  
ELECTRIC VE ENERGY DEPARTMANT  
GAS AND PLUMBING TECHNOLOGY PROGRAM  
COURSE CATALOG (2015-2016)

FIRST YEAR													
Course Code	1. Class I. Term (I. Semester)	STATUE	T	A	c	ECTS	Course Code	1. Class II. Term (II. Semester)	STATUE	T	A	c	ECTS
5008103	Mathematics	C	4	0	4	5	5008102	Vocational Physics Knowledge	C	2	1	3	4
5008105	Technical Drawing	C	2	2	4	6	5008104	Computer Aided Drawing	C	2	1	3	3
5008107	Basic Installation Procedures	C	3	1	4	6	5008106	Material Information	C	2	0	2	3
0101101	Turkish Language-I	C	2	0	2	2	5008108	Natural Gas Distribution Lines	C	2	1	3	3
0102101	The Principles Of Ataturk and History Of Revolution-I	C	2	0	2	2	5008110	Systems Analysis and Design	C	2	0	2	3
0103101	English-I	C	3	0	3	3		Internship	C				8
	<b>TOTAL</b>		<b>16</b>	<b>3</b>	<b>19</b>	<b>24</b>		<b>TOTAL</b>		<b>10</b>	<b>3</b>	<b>13</b>	<b>24</b>
	Elective Course *	E				6		Elective Course *	E				6
	<b>TERM TOTAL</b>					<b>30</b>		<b>TERM TOTAL</b>					<b>30</b>
	<b>DEPARTMENT ELECTIVE COURSES</b>							<b>DEPARTMENT ELECTIVE COURSES</b>					
5008010	Basics of Electricity	E	2	0	2	2	5008020	Energy Management	E	2	0	2	2
5008011	Insulation Technology	E	2	0	2	2	5008021	Strength	E	2	0	2	2
	<b>VOCATIONAL ELECTIVE COURSES</b>							<b>VOCATIONAL ELECTIVE COURSES</b>					
5000103	Information And Communication Technology	E	1	1	2	2	0107102	Turkish Language-II	E	2	0	2	2
5000113	Occupational Ethics	E	2	0	2	2	0108102	The Principles Of Ataturk and History Of Revolution-I	E	2	0	2	2
5000121	Office Programms	E	1	1	2	2	0109102	English-II	E	2	0	2	2
0104101	Physical Education-I	E	1	1	0	2	0104102	Physical Education-II	E	1	1	0	2
0105101	Music-I	E	1	1	0	2	0105102	Music-II	E	1	1	0	2
0110101	Occupational Healty and Safety-I	E	2	0	2	2	0110102	Occupational Healty and Safety-II	E	2	0	2	2
SECOND YEAR													
Course Code	2. Class I. Term (III. Semester)	STATUE	T	A	c	ECTS	Course Code	2. Class I. Term (III. Semester)	STATUE	T	A	c	ECTS
5008201	Natural Gas System-I	C	2	1	3	4	5008202	Natural Gas System-II	C	2	1	3	4
5008203	Project Studies and Techniques-I	C	2	0	2	3	5008204	Project Studies and Techniques-I	C	2	0	2	3
5008205	Heating Systems	C	2	1	3	6	5008206	Pipe Welding	C	2	2	4	6
5008207	Thermodynamics	C	2	1	3	3	5008208	Computer Aided Project	C	2	1	3	3
5008209	Installation Technical Drawing	C	2	1	3	5	5008210	Air conditioning	C	2	1	3	5
	<b>TOTAL</b>		<b>10</b>	<b>4</b>	<b>14</b>	<b>21</b>		<b>TOTAL</b>		<b>10</b>	<b>5</b>	<b>15</b>	<b>21</b>
	Elective Course **	E				9		Elective Course **	E				9
	<b>TERM TOTAL</b>					<b>30</b>		<b>TERM TOTAL</b>					<b>30</b>
	<b>DEPARTMENT ELECTIVE COURSES</b>							<b>DEPARTMENT ELECTIVE COURSES</b>					
5008030	Alternative Energy Systems	E	2	0	2	3	5008040	Pipeline Inspection and Testing Methods	E	2	0	2	3
5008031	Steam System	E	2	0	2	3	5008041	LPG and Industrial Gas Conversion Systems	E	2	0	2	3
5008032	Heat Exchangers	E	2	0	2	3	5008042	Solar Energy and Applications	E	2	0	2	3
5008033	Pumps and Compressors	E	2	0	2	3	5008043	Automatic Control	E	2	0	2	3
5008034	Installation Services	E	2	0	2	3	5008044	Cooling Techniques	E	2	0	2	3
	<b>VOCATIONAL ELECTIVE COURSES</b>						5008045	Combustion and Burner Equipment	E	2	0	2	3
5000101	Research Methods and Techniques	E	2	0	2	3	5000107	Communication	E	2	0	2	3
5000105	Environmental Protection	E	2	0	2	3	5000109	Quality Assurance and Standard	E	2	0	2	3
5000123	Vocational Foreign Language	E	2	0	2	3	5000114	Business Administration	E	2	0	2	3
5000125	statistics	E	2	0	2	3							

**COMPULSORY COURSES** 82 ECTS (%68,33)  
**ELECTIVE COURSES** 30 ECTS (%25,00)  
**INTERSHIP** 8 ECTS (%6,67)  
**TOTAL** 120 ECTS (%100)

\* In I. and II. Semester 1(one) of the department elective course, 2 (two) of the Vocational elective course will be chosen.

\*\* In III. and VI. Semester 2(two) of the department elective course, 1 (one) of the Vocational elective course will be chosen.