

**TOTAL COURSE-PROGRAMME OUTCOMES RELATIONSHIP**

					Programmer Outcomes											
Course Code	Course Name	T	P	ECTS	1	2	3	4	5	6	7	8	9	10	11	12
<b>1st Year - 1st Semester</b>																
	<b>Computer Aided Design I</b>	<b>2</b>	<b>2</b>	<b>5</b>	1	4	0	5	0	3	4	1	2	3	0	1
	<b>Physics</b>	<b>4</b>	<b>0</b>	<b>5</b>	4	5	5	3	3	4	3	2	2	1	3	3
	<b>Occupational Safety</b>	<b>2</b>	<b>0</b>	<b>3</b>	2	0	5	1	2	1	4	5	3	3	5	4
	<b>Business Mathematics I</b>	<b>3</b>	<b>0</b>	<b>5</b>	1	1	0	2	0	3	1	4	2	3	3	1
	<b>Basic Installation Operations</b>	<b>4</b>	<b>0</b>	<b>5</b>	1	1	1	5	2	2	4	1	4	4	1	4
	<b>Ataturk Principles And The History Of Revolution</b>	<b>2</b>	<b>0</b>	<b>2</b>	4	1	3	1	0	4	4	2	3	0	4	0
	<b>Turkish Language I</b>	<b>2</b>	<b>0</b>	<b>2</b>	1	4	3	1	3	1	0	1	2	5	3	3
	<b>Foreign Language I</b>	<b>3</b>	<b>0</b>	<b>3</b>	4	3	0	3	1	4	3	1	1	2	4	3
<b>1st Year - 2st Semester</b>																
	<b>Information And Communication Technology</b>	<b>2</b>	<b>1</b>	<b>3</b>	0	0	5	4	0	4	5	0	4	0	3	1
	<b>Computer Aided Design Ii</b>	<b>2</b>	<b>1</b>	<b>4</b>	2	0	4	1	4	4	2	4	2	5	3	5
	<b>Pipe Welding</b>	<b>2</b>	<b>1</b>	<b>4</b>	0	2	2	2	5	1	0	5	3	0	1	5
	<b>Natural Gas Distribution Lines</b>	<b>3</b>	<b>0</b>	<b>4</b>	5	2	1	0	4	5	2	5	4	0	4	5
	<b>Business Mathematics Ii</b>	<b>3</b>	<b>0</b>	<b>4</b>	1	0	3	2	3	2	5	3	1	0	5	2
	<b>Thermodynamics</b>	<b>3</b>	<b>0</b>	<b>4</b>	4	3	0	1	5	2	2	4	4	2	0	1
	<b>Ataturk Principles And The History Of Revolution Ii</b>	<b>2</b>	<b>0</b>	<b>2</b>	1	2	5	1	5	1	1	5	4	4	2	1

	<b>Turkish Language Ii</b>	<b>2</b>	<b>0</b>	<b>2</b>	5	2	1	5	3	0	0	4	2	0	0	3	
	<b>Foreign Language Ii</b>	<b>3</b>	<b>0</b>	<b>3</b>	2	4	5	1	0	2	3	0	5	1	4	0	
	<b>2st Year - 3st Semester</b>																
	<b>Natural Gas And Installing I</b>	<b>3</b>	<b>0</b>	<b>4</b>	3	5	3	1	4	5	2	3	3	2	0	1	
	<b>Heating Systems I</b>	<b>3</b>	<b>0</b>	<b>6</b>	0	2	4	3	5	3	2	2	0	2	4	1	
	<b>Internship</b>	<b>0</b>	<b>0</b>	<b>5</b>	4	0	0	0	0	5	2	0	1	3	4	5	
	<b>Research Methods And Techniques</b>	<b>2</b>	<b>0</b>	<b>3</b>	5	3	0	1	2	2	4	3	3	1	1	3	
	<b>Maintanance And Repair Of Malfunction</b>	<b>2</b>	<b>1</b>	<b>5</b>	1	4	2	0	3	4	1	0	4	1	0	3	
	<b>Protecting The Environment</b>	<b>2</b>	<b>0</b>	<b>2</b>	5	3	0	1	0	3	5	2	3	1	2	4	
	<b>Survey And Desing Techniques</b>	<b>2</b>	<b>2</b>	<b>4</b>	3	3	4	4	4	4	0	0	1	1	0	1	
	<b>Ventilation Systems</b>	<b>3</b>	<b>1</b>	<b>4</b>	3	4	2	5	2	2	3	2	5	3	1	4	
	<b>The Operating Management I</b>	<b>3</b>	<b>0</b>	<b>4</b>	0	5	4	2	4	4	2	1	3	5	0	2	
	<b>Quality Assurance Standarts</b>	<b>2</b>	<b>0</b>	<b>3</b>	3	1	4	1	5	0	1	4	2	1	3	2	
	<b>Welding Quality Control</b>	<b>3</b>	<b>0</b>	<b>5</b>	1	4	4	0	3	2	4	4	1	5	2	0	
	<b>Materials Technology</b>	<b>2</b>	<b>0</b>	<b>4</b>	5	2	0	3	0	1	2	0	0	1	4	2	
	<b>Professional Ethics</b>	<b>2</b>	<b>0</b>	<b>2</b>	5	0	3	0	0	4	5	3	0	1	3	3	
	<b>Professional Foreign Language I</b>	<b>2</b>	<b>0</b>	<b>2</b>	3	4	2	5	0	0	2	5	4	3	2	3	
	<b>Sensors And Transducers</b>	<b>2</b>	<b>0</b>	<b>3</b>	1	1	1	0	4	3	1	2	2	4	2	2	
	<b>Basic Electrical</b>	<b>3</b>	<b>0</b>	<b>3</b>	2	5	1	2	2	0	4	2	2	0	1	5	
	<b>Routed Study I</b>	<b>0</b>	<b>2</b>	<b>3</b>	1	2	3	1	5	3	2	5	1	2	4	4	
	<b>2st Year - 4st Semester</b>																
	<b>Natural Gas And Installing II</b>	<b>3</b>	<b>0</b>	<b>4</b>	5	5	1	5	0	1	0	2	3	3	3	4	
	<b>The Operating Management II</b>	<b>4</b>	<b>0</b>	<b>6</b>	0	2	5	1	4	2	2	5	0	1	4	5	
	<b>Internship</b>	<b>0</b>	<b>0</b>	<b>5</b>	4	5	4	2	0	2	2	1	2	3	1	3	

	<b>Research Methods And Techniques II</b>	<b>2</b>	<b>2</b>	<b>4</b>	0	3	3	1	1	4	4	2	4	3	5	5
	<b>Solar Energy</b>	<b>2</b>	<b>0</b>	<b>4</b>	1	3	2	0	4	0	5	4	5	5	4	4
	<b>Hat Pump And Applications</b>	<b>3</b>	<b>1</b>	<b>3</b>	3	5	2	5	1	3	1	1	5	2	4	5
	<b>Air-Conditioning Techniques</b>	<b>3</b>	<b>0</b>	<b>5</b>	5	0	3	2	5	2	1	5	3	5	3	1
	<b>Air-Conditioning And Cooling Techniques</b>	<b>3</b>	<b>0</b>	<b>3</b>	4	1	5	3	5	0	0	5	5	0	4	2
	<b>First Aid</b>	<b>4</b>	<b>0</b>	<b>4</b>	2	1	4	1	3	4	0	5	2	0	2	1
	<b>The Operating Management II</b>	<b>3</b>	<b>0</b>	<b>5</b>	2	2	1	3	1	4	2	1	1	5	0	2
	<b>Kit Of Management Systems</b>	<b>2</b>	<b>0</b>	<b>2</b>	2	1	0	2	1	5	1	3	0	0	3	1
	<b>Professional Communication</b>	<b>2</b>	<b>0</b>	<b>2</b>	0	0	4	5	3	5	4	4	1	3	0	0
	<b>Professional Foreign Language II</b>	<b>2</b>	<b>0</b>	<b>2</b>	2	3	1	0	0	1	3	1	1	5	4	3
	<b>For Measuring And Control</b>	<b>2</b>	<b>0</b>	<b>3</b>	1	4	1	2	5	3	2	3	2	3	3	3
	<b>Electricity Generation With Wind Power</b>	<b>3</b>	<b>1</b>	<b>5</b>	1	0	2	1	4	5	1	5	3	3	1	2
	<b>Installation Services</b>	<b>2</b>	<b>0</b>	<b>3</b>	0	0	4	1	4	5	5	4	3	0	4	1
	<b>Routed Study II</b>	<b>0</b>	<b>2</b>	<b>3</b>	5	1	2	5	5	1	3	2	5	0	1	4