

**VOCATIONAL SCHOOL
DEPARTMENT OF ELECTRICITY AND ENERGY
NATURAL GAS AND INSTALLATION TECHNOLOGY DEPARTMENT
ASSOCIATE DEGREE CURRICULUM (3+1)
(2025-2026)**

Semester 1

Code	Course Title	T	A	C	ECTS	Status	Prerequisite
ATA101	Atatürk Principles and The History of Turkish Revolution I	2	0	2	2	Compulsory	
MING151	Basic English I	3	0	3	4	Compulsory	
KYP001.09	Preparation for Business Life	0	2	1	1	Compulsory	
MMAT101	Mathematics	3	0	3	5	Compulsory	
MMAK158	Introduction to Materials Technology	3	0	3	6	Compulsory	
MDTES101	Installation Procedures	3	0	3	6	Compulsory	
MMAK214	Introduction to Thermodynamics	3	0	3	5	Compulsory	
Total Credit		18		29			

Semester 2

Code	Course Title	T	A	C	ECTS	Status	Prerequisite
ATA102	Atatürk Principles and The History of Turkish Revolution II	2	0	2	2	Compulsory	
MING152	Basic English II	3	0	3	4	Compulsory	
MMAK131	Heat Transfer	3	0	3	5	Compulsory	
MDTES102	Natural Gas Installation	3	0	3	6	Compulsory	
MMAK160	Introduction to Computer Aided Technical Drawing	3	0	3	6	Compulsory	
MDTES104	Welding Technology	3	0	3	6	Compulsory	
Total Credit		17		29			

Semester 3

Code	Course Title	T	A	C	ECTS	Status	Prerequisite
MTRD101	Turkish Language I	2	0	2	2	Compulsory	
MMAK223	Introduction to Fluid Dynamics	3	0	3	6	Compulsory	
MISG218	Occupational Health and Safety	3	0	3	5	Compulsory	
MDTES201	Natural Gas Meters and Measurement Principles	3	0	3	5	Compulsory	
MDTES203	Heating Systems	3	0	3	5	Compulsory	
MDTES205	Natural Gas Distribution Pipelines	3	0	3	5	Compulsory	
MDTES207	Maintenance, Fault Detection, and Repair	3	0	3	5	Compulsory	
Total Credit		20		33			

Semester 4

Code	Course Title	T	A	C	ECTS	Status	Prerequisite
MTRD102	Turkish Language II	2	0	2	2	Compulsory	
MDTES202	Professional Research Project	3	0	3	7	Compulsory	
SECGNL4YY	Elective Group	3	0	3	5	Elective	
SECGNL4YY	Elective Group	3	0	3	5	Elective	
SECGNL4YY	Elective Group	3	0	3	5	Elective	
SECGNL4YY	Elective Group	3	0	3	5	Elective	
Total Credit		17		29			

TOTAL CREDİT	72
TOTAL ECTS	120

Abbreviations: T=Weekly hours: theoretical; A=Weekly hours: application; C=Credits in Turkish System; ECTS= European Credit Transfer System

