

ASSOCIATE DEGREE CURRICULUM

VOCATIONAL SCHOOL DEPARTMENT OF ELECTRIC AND ENERGY ELECTRIC PROGRAMME ASSOCIATE DEGREE CURRICULUM (2023-2024 FALL)

Semester 1							
Code	Course Title	T	A	C	ECTS	Status	Prerequisite
	Atatürk Principles and The History of						
	Turkish Revolution I						
ATA101		2	0	2	2	Compulsory	
MING151	Basic English I	3	0	3	4	Compulsory	
MMAT101	Mathematics	3	0	3	5	Compulsory	
MMEK115	Computer Programming	3	0	3	5	Compulsory	
MELK105	Circuit Analysis	3	0	3	5	Compulsory	
MELK103	Electrical Installation Plans	3	0	3	5	Compulsory	
MELK107	Computer Aided Technical Design	3	0	3	4	Compulsory	
KYP001.09	İş Yaşamına Hazırlık	0	2	1	1	Compulsory	
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	Tota	ıl Cre	dit	21	31		

Semester 2							
Code	Course Title	T	Α	C	ECTS	Status	Prerequisite
	Atatürk Principles and The History of						
	Turkish Revolution II						
ATA102		2	0	2	2	Compulsory	
MING152	Basic English II	3	0	3	4	Compulsory	
	Digital Circuit						
MMEK220	Design	3	0	3	5	Compulsory	
MELK118	Analog Electronic Circuits	3	0	3	6	Compulsory	
	Electrical Motors	3	0	3	6		
MELK124	and Drivers	3	U	3	0	Compulsory	
MELK120	Electric Circuits	3	0	3	6	Compulsory	
	Tota	l Cre	dit	17	29		

Semester 3							
Code	Course Title	T	A	C	ECTS	Status	Prerequisite
MTRD101	Turkish Language I	2	0	2	2	Compulsory	
MELK225	Transformers and Direct Current Machines	3	0	3	6	Compulsory	
MELK227	Fundamentals of Power Electronics	3	0	3	5	Compulsory	
MELK229	Computer Aided Electronic Circuit Design	3	0	3	6	Compulsory	
SECGNL3YY	Elective Group	3	0	3	5	Elective	
SECGNL3YY	Elective Group	3	0	3	5	Elective	
	Total (Cre	dit	17	29		

Code	Course Title	T	A	C	ECTS	Status	Prerequisite
MTRD102	Turkish Language II	2	0	2	2	Compulsory	
MELK230	Alternating Current Machines	3	0	3	5	Compulsory	
MELK220	Renewable Energy Resources	3	0	3	5	Compulsory	
MELK236	Professional Project	3	0	3	9	Compulsory	
SECGNL4YY	Elective Group	2	2	3	5	Elective	
SECGNL4YY	Elective Group	3	0	3	5	Elective	
		Total Cre	dit	17	31		

Code	Course Title	T	Α	C	ECTS	Status	Prerequisite
		Total Cre	dit				

Code	Course Title	T	A	C	ECTS	Status	Prerequisite
		Total Cre	dit				

Semester 7	T.						
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Code	Course Title	T	A	C	ECTS	Status	Prerequisite
		Total Cre	dit				

TOTAL CREDIT	72
TOTAL ECTS	120

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



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ELECTIVE COURSES

Semester 1							
Code	Course Title				ECTS	Status	Prerequisite
	SECOND FOR	EIGN LANGUA	G	E			*
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Semester 2							
Code	Course Title	T	' A	. C	ECTS	Status	Prerequisite
	SECOND FOR	EIGN LANGUA	AG.	E			
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Code	Course Title	T	A	C	ECTS	Status	Prerequisite
	SECOND FOREIGN L	AN	GU	JAG	E	•	
	DEPARTMENTAL E	LE	CT	IVE	Ĭ.		
MELK217	Measuring Technique	3	0	3	5	Elective	
MELK232	Winding Technique	3	0	3	5	Elective	
MELK233	Lighting Technique	3	0	3	5	Elective	
MELK234	Electric Plants	3	0	3	5	Elective	
	FACULTY ELEC	TI	VE				
MMAK211	Pumps and Compressors	3	0	3	5	Elective	
MMAK212	Hydraulic and Pneumatic Systems	3	0	3	5	Elective	
MMAK134	Air Conditioning and Refrigeration Systems	3	0	3	5	Elective	
MMEK223	Introduction to Matlab / Simulink	3	0	3	6	Elective	
MMEK118	Microcontrollers I	3	0	3	6	Elective	
MMAK218	Construction Machinery	3	0	3	5	Elective	
MMEK222	Programmable Logical Controller	3	0	3	5	Elective	
MMEK209	Robot Technology	3	0	3	5	Elective	
MGRS201	Entrepreneurship Practices	3	0	3	5	Elective	
MGSA202	Fine Arts	3	0	3	5	Elective	
MISG218	Occupational Health and Safety Principles	3	0	3	5	Elective	
MMSE201	Professional Ethics	3	0	3	5	Elective	
MISL223	General business	3	0	3	5	Elective	
MADL230	Business Law	3	0	3	5	Elective	
MBLP241	Basic Computer Usage	3	0	3	5	Elective	
MING253	English III	3	0	3	5	Elective	
MFIZ103	Basics of Physics	3	0	3	5	Elective	
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Code	Course Title	T	Α	C	ECTS	Status	Prerequisite
	SECOND FOREIGN I	AN	GU	JAG	E		
	DEPARTMENTAL E	LE	CT	IVI	E		
MELK217	Measuring Technique	3	0	3	5	Elective	
MELK232	Winding Technique	3	0	3	5	Elective	
MELK233	Lighting Technique	3	0	3	5	Elective	
MELK234	Electric Plants	3	0	3	5	Elective	
	FACULTY ELEC	TI	VE	;			
MMAK211	Pumps and Compressors	3	0	3	5	Elective	
MMAK212	Hydraulic and Pneumatic Systems	3	0	3	5	Elective	
MMAK134	Air Conditioning and Refrigeration System	3	0	3	5	Elective	
MMEK223	Introduction to Matlab / Simulink	3	0	3	6	Elective	
MMEK118	Microcontrollers I	3	0	3	6	Elective	
MMAK218	Construction Machinery	3	0	3	5	Elective	
MMEK222	Programmable Logical Controller	3	0	3	5	Elective	
MMEK209	Robot Technology	3	0	3	5	Elective	
MGRS201	Entrepreneurship Practices	3	0	3	5	Elective	
MGSA202	Fine Arts	3	0	3	5	Elective	
MISG218	Occupational Health and Safety Principles	3	0	3	5	Elective	
MMSE201	Professional Ethics	3	0	3	5	Elective	
MISL223	General business	3	0	3	5	Elective	
MADL230	Business Law	3	0	3	5	Elective	
MBLP241	Basic Computer Usage	3	0	3	5	Elective	
MING254	English IV	3	0	3	5	Elective	
MFIZ103	Basics of Physics	3	0	3	5	Elective	
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Semester 5								
Code	Course Title					ECTS	Status	Prerequisite
	SECOND FOR	EIGN LANGU	A	JĽ				
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	SECOND FOR	KEIGN LANGUA	Gŀ	S	•		•
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Semester 7							
Code	Course Title	T	Α	C	ECTS	Status	Prerequisite
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Semester 8							
Code	Course Title				ECTS	Status	Prerequisite
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