

VOCATIONAL SCHOOL

DEPARTMENT OF ELECTRIC AND ENERGY ELECTRIC PROGRAM

2025-2026 ASSOCIATE DEGREE CURRICULUM (3+1) - FALL (Starting from Students Entered in 2025-2026)

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Semester 1

Code	Course Title	Т	A	C	ECTS	Status	Prerequisite
KYP001.09	İş Yaşamına Hazırlık	0	2	1	1	Compulsory	
MMAT101	Mathematics	3	0	3	5	Compulsory	
MMEK115	Computer Programming	3	0	3	5	Compulsory	
MELK227	Fundamentals of Power Electronics	3	0	3	5	Compulsory	
MMEK123	Fundamentals of Electrical Circuits	2	2	3	4	Compulsory	
MELK107	Computer Aided Technical Design	3	0	3	4	Compulsory	

Code	Course Title	Т	A	C	ECTS	Status	Prerequisi
MMEK220	Digital Circuit Design	3	0	3	5	Compulsory	
MELK118	Analog Electronic Circuits	3	0	3	6	Compulsory	
MELK124	Electrical Motors and Drivers	3	0	3	6	Compulsory	
MISG218	Occupational Health and Safety Principles	3	0	3	5	Compulsory	
MELK230	Alternating Current Machines	3	0	3	5	Compulsory	
MELK220	Renewable Energy Resources	3	0	3	5	Compulsory	

MELK225	Transformers and Direct Current Machines	3	0	3	6	Compulsory	
	T	otal C	redit	19	30		

То	tal Credi	18	32	

Semester 3

Code	Course Title	T	A	C	ECTS	Status	Prerequisit
ATA101	Atatürk Principles and The History of Turkish Revolution I	2	0	2	2	Compulsory	
MING151	Basic English I	3	0	3	4	Compulsory	
MTRD101	Turkish Languag	2	0	2	2	Compulsory	
MELK103	Electrical Installation Plans	3	0	3	5	Compulsory	
SECGNL3YY	Elective Group	3	0	3	5	Elective	
SECGNL3YY	Elective Group	3	0	3	5	Elective	
SECGNL3YY	Elective Group	3	0	3	5	Elective	
	Т	otal C	redit	19	28		

Semester 4

Code	Course Title	T	A	C	ECTS	Status	Prerequisi
ATA102	Atatürk Principles and The History of Turkish Revolution II	2	0	2	2	Compulsory	
MING152	Basic English II	3	0	3	4	Compulsory	
MTRD102	Turkish Language I	2	0	2	2	Compulsory	
MELK236	Professional Project	3	0	3	9	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	
	То	tal C	redit	19	32		

Semester 5

Code	Course Title	T	A	C	ECTS	Status	Prerequisite

Code	Course Title	T	A	C	ECTS	Status	Prerequisi

T	otal C	redit		

To	redit			

Semester 7

Code	Course Title	T	A	C	ECTS	Status	Prerequisit
		Total	Credi	t			

Semester 8

Code	Course Title	T	A	C	ECTS	Status	Prerequisi
		Total (Credi	t			

T	OTAL CREDIT	75
	TOTAL ECTS	122

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



ELECTIVE COURSES

Semester 1

Code	Course Title	T	A	C	ECTS	Status	Prerequisit
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	UN	IVER	SITY	ELE	CTIVE		•
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Semester 2

Code	Course Title	T	A	C	ECTS	Status	Prerequisi
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Semester 3

Semester 5							
Code	Course Title	T	A	C	ECTS	Status	Prerequisite
	SECON	D FO	REIG	N LA	NGUA	GE	
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	DEPA	KIMI	LINIA	L LL	ECTIV	E	
MELK217	Measuring	3	0	3	5	Elective	
MELK232	Winding Techni	3	0	3	5	Elective	
MELK233	Lighting Techni	3	0	3	5	Elective	
MELK234	Electric Plants	3	0	3	5	Elective	

Code	Course Title	T	A	C	ECTS	Status	Prerequis
	SECOND F	ORF	IGN	LA	NGUA	GE	
	DEPART	MEN	TAL	ELI	ECTIV	E	
MELK217	Measuring	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	

MELK229	Computer Aided Electronic Circuit Design	3	0	3	6	Elective					
MELK237	Sustainability and Environment	3	0	3	5	Elective					
	FA	CULT	TY EI	LECT	IVE	•					
MMAK211	Pumps and Com	3	0	3	5	Elective					
MMAK212	Hydraulic and Pneumatic	3	0	3	5	Elective					
MMAK134	Air Conditioning and	3	0	3	5	Elective					
MMEK223	Introduction to Matlab /	3	0	3	5	Elective					
MMEK118	Microcontrollers	3	0	3	6	Elective					
MMAK218	Construction Ma	3	0	3	5	Elective					
MMEK222	Programmable Logical	3	0	3	5	Elective					
MMEK209	Robot Technolo	3	0	3	5	Elective					
MGRS201	Entrepreneurshi	3	0	3	5	Elective					
MGSA202	Fine Arts	3	0	3	5	Elective					
MMSE201	Professional Eth	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 Physic	3	0	3	5	Elective					
	UNIVERSITY ELECTIVE										
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MELK229	Computer Aided Electronic Circuit Design	3	0	3	6	Elective
MELK237	Sustainability and Environment	3	0	3	5	Elective
	FACU	LTY	ELF	ECT	IVE	
MMAK211	Pumps and Compre	3	0	3	5	Elective
MMAK212	Hydraulic and Pneumatic	3	0	3	5	Elective
MMAK134	Air Conditioning and Refrigeration Systems	3	0	3	5	Elective
MMEK223	Introduction to Matlab / Simulink	3	0	3	5	Elective
MMEK118	Microcontrollers I	3	0	3	6	Elective
MMAK218	Construction	3	0	3	5	Elective
MMEK222	Programmable Logical	3	0	3	5	Elective
MMEK209	Robot	3	0	3	5	Elective
MGRS201	Entrepreneurship	3	0	3	5	Elective
MGSA202	Fine Arts	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
	112	Data		F.C.		
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Semester 5

Code	Course Title	T	A	C	ECTS	Status	Prerequisit
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	DEPA	RTM	ENT	AL E	LECTIV	E	
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		+	-	+			
		+	1	1			
			1				
	LIN	IVED	CITV	DI D	CTIVE		
	UN	IVEK	5111	ELE	T	1	
			+	1			
		+	+	-			
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Semester 6

Code	Course Title	T	A	C	ECTS	Status	Prerequisi
	SECONE	FORF	EIGN	LA	NGUA	ЭE	
	DEPAR	TMEN	TAL	ELI	ECTIV	E	
				1			
				1			
				1			
	FAC	CULTY	EL	ECT	IVE		
				1			
				1			
				1			
	UNIV	ERSIT	TY E	LEC	TIVE		
		1					

Semester 7

Code	Course Title	T	A	C	ECTS	Status	Prerequisit			
SECOND FOREIGN LANGUAGE										
	DEPA	RTMI	ENTA	L EL	ECTIV	E				
	F	ACUL	TY E	LECT	TIVE					

Code	Course Title	T	A	C	ECTS	Status	Prerequisi				
SECOND FOREIGN LANGUAGE											
	DEPAR'	TMEN	TAL	ELI	ECTIV	E					
	FACULTY ELECTIVE										

UNI	VERS	ITY I	ELEC	TIVE	