

 ISTANBUL OKAN UNIVERSITY	VOCATIONAL SCHOOL DEPARTMENT OF ELECTRIC AND ENERGY ELECTRIC PROGRAM ASSOCIATE DEGREE CURRICULUM (2026-2027 FALL)						Document Code: FR.OGR.200
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Semester 1

Code	Course Title	T	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	

Semester 2

Code	Course Title	T	A	C	ECTS	Status	Prerequisite
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	
	Total Credit	19	30				

	Total Credit	18	32				

Semester 3

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	
MTRD101	Turkish Language I	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	
	Total Credit	19	28				

Semester 4

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	
MTRD102	Turkish Language II	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	
	Total Credit	19	32				

Semester 5

Code	Course Title	T	A	C	ECTS	Status	Prerequisite

Semester 6

Code	Course Title	T	A	C	ECTS	Status	Prerequisite

ELECTIVE COURSES

Semester 1

Code	Course Title	T	A	C	ECTS	Status	Prerequisite
SECOND FOREIGN LANGUAGE							
DEPARTMENTAL ELECTIVE							
FACULTY ELECTIVE							
UNIVERSITY ELECTIVE							

Semester 2

Code	Course Title	T	A	C	ECTS	Status	Prerequisite
SECOND FOREIGN LANGUAGE							
DEPARTMENTAL ELECTIVE							
FACULTY ELECTIVE							
UNIVERSITY ELECTIVE							

Semester 3

Code	Course Title	T	A	C	ECTS	Status	Prerequisite
SECOND FOREIGN LANGUAGE							
DEPARTMENTAL ELECTIVE							
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	

Semester 4

Code	Course Title	T	A	C	ECTS	Status	Prerequisite
SECOND FOREIGN LANGUAGE							
DEPARTMENTAL ELECTIVE							
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	

MELK237	Sustainability and Environment	3	0	3	5	Elective	
FACULTY ELECTIVE							
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 busines	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	
MYZO101	Introduction to A	3	0	3	5	Elective	
UNIVERSITY ELECTIVE							

Semester 5

Code	Course Title	T	A	C	ECTS	Status	Prerequisite
SECOND FOREIGN LANGUAGE							

MELK237	Sustainability and Environment	3	0	3	5	Elective	
FACULTY ELECTIVE							
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	
MYZO101	Introduction to Arti	3	0	3	5	Elective	
UNIVERSITY ELECTIVE							

Semester 6

Code	Course Title	T	A	C	ECTS	Status	Prerequisi
SECOND FOREIGN LANGUAGE							

DEPARTMENTAL ELECTIVE							
FACULTY ELECTIVE							
UNIVERSITY ELECTIVE							

DEPARTMENTAL ELECTIVE							
FACULTY ELECTIVE							
UNIVERSITY ELECTIVE							

Semester 7

Code	Course Title	T	A	C	ECTS	Status	Prerequisite
SECOND FOREIGN LANGUAGE							
DEPARTMENTAL ELECTIVE							
FACULTY ELECTIVE							
UNIVERSITY ELECTIVE							

Semester 8

Code	Course Title	T	A	C	ECTS	Status	Prerequisite
SECOND FOREIGN LANGUAGE							
DEPARTMENTAL ELECTIVE							
FACULTY ELECTIVE							
UNIVERSITY ELECTIVE							

