



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
ATA101	Atatürk Principles and The History of Turkish Revolution I	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	
<b>Total Credit</b>		<b>21</b>			<b>31</b>		

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	
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	
MELK120	Electric Circuits	3	0	3	6	Compulsory	
<b>Total Credit</b>		<b>17</b>			<b>29</b>		

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	
<b>Total Credit</b>		<b>17</b>			<b>29</b>		

Semester 4

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	
<b>Total Credit</b>		<b>17</b>			<b>31</b>		

Semester 5

Code	Course Title	T	A	C	ECTS	Status	Prerequisite
<b>Total Credit</b>							

Semester 6

Code	Course Title	T	A	C	ECTS	Status	Prerequisite
<b>Total Credit</b>							

Semester 7

Code	Course Title	T	A	C	ECTS	Status	Prerequisite
<b>Total Credit</b>							

Semester 8

Code	Course Title	T	A	C	ECTS	Status	Prerequisite
<b>Total Credit</b>							

<b>TOTAL CREDIT</b>	<b>72</b>
<b>TOTAL ECTS</b>	<b>120</b>

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



ASSOCIATE DEGREE CURRICULUM

İSTANBUL OKAN ÜNİVERSİTESİ

ELECTIVE COURSES

Semester 1

Table for Semester 1 elective courses with columns: Code, Course Title, T, A, C, ECTS, Status, Prerequisite. Includes sections for SECOND FOREIGN LANGUAGE, DEPARTMENTAL ELECTIVE, FACULTY ELECTIVE, and UNIVERSITY ELECTIVE.

Semester 2

Table for Semester 2 elective courses with columns: Code, Course Title, T, A, C, ECTS, Status, Prerequisite. Includes sections for SECOND FOREIGN LANGUAGE, DEPARTMENTAL ELECTIVE, FACULTY ELECTIVE, and UNIVERSITY ELECTIVE.

Semester 3

Table for Semester 3 elective courses with columns: Code, Course Title, T, A, C, ECTS, Status, Prerequisite. Includes sections for SECOND FOREIGN LANGUAGE, DEPARTMENTAL ELECTIVE (MELK217-224), FACULTY ELECTIVE (MMAK211-214, MMEK223, MMEK118, MMAK218, MMEK222, MMEK209, MGRS201, MGSA202, MISG218, MMSE201, MISL223, MADL230, MBLP241, MING253, MFIZ103), and UNIVERSITY ELECTIVE.

Semester 4

Table for Semester 4 elective courses with columns: Code, Course Title, T, A, C, ECTS, Status, Prerequisite. Includes sections for SECOND FOREIGN LANGUAGE, DEPARTMENTAL ELECTIVE (MELK217-224), FACULTY ELECTIVE (MMAK211-214, MMEK223, MMEK118, MMAK218, MMEK222, MMEK209, MGRS201, MGSA202, MISG218, MMSE201, MISL223, MADL230, MBLP241, MING254, MFIZ103), and UNIVERSITY ELECTIVE.

Semester 5

Table for Semester 5 elective courses with columns: Code, Course Title, T, A, C, ECTS, Status, Prerequisite. Includes sections for SECOND FOREIGN LANGUAGE, DEPARTMENTAL ELECTIVE, FACULTY ELECTIVE, and UNIVERSITY ELECTIVE.

Semester 6

Table for Semester 6 elective courses with columns: Code, Course Title, T, A, C, ECTS, Status, Prerequisite. Includes sections for SECOND FOREIGN LANGUAGE, DEPARTMENTAL ELECTIVE, FACULTY ELECTIVE, and UNIVERSITY ELECTIVE.

Semester 7

Table for Semester 7 elective courses with columns: Code, Course Title, T, A, C, ECTS, Status, Prerequisite. Includes sections for SECOND FOREIGN LANGUAGE, DEPARTMENTAL ELECTIVE, FACULTY ELECTIVE, and UNIVERSITY ELECTIVE.

Semester 8

Table for Semester 8 elective courses with columns: Code, Course Title, T, A, C, ECTS, Status, Prerequisite. Includes sections for SECOND FOREIGN LANGUAGE, DEPARTMENTAL ELECTIVE, FACULTY ELECTIVE, and UNIVERSITY ELECTIVE.