

**VOCATIONAL SCHOOL
DEPARTMENT OF ELECTRONIC AND AUTOMATION
PROGRAM OF DIGITAL TRANSFORMATION ELECTRONICS
2025-2026 FALL ASSOCIATE DEGREE CURRICULUM (3+1)**

Semester 1

Code	Course Title	T	A	C	ECT	Status	Prerequisite
MMAT105	General Mathematics	3	0	3	5	Compulsory	
MMEK123	Fundamentals of Electrical Circuits	2	2	3	4	Compulsory	
MMEK220	Digital Circuit Design	3	0	3	5	Compulsory	
MBLP117	Fundamentals of Algorithm and Programming	3	0	3	5	Compulsory	
MBLP119	Computer Network Systems	3	0	3	5	Compulsory	
MDDE101	Digital Transformation	3	0	3	5	Compulsory	
KYP001.09	Preparation for Business Life	0	2	1	1	Compulsory	
	Total Credit	19	30				

Semester 2

Code	Course Title	T	A	C	E/C	Status	Prerequisite
MMAT106	Mathematics and Logic	3	0	3	5	Compulsory	
MMEK130	Analog Electronics	2	2	3	4	Compulsory	
MMEK219	Sensors and Transducers	2	2	3	3	Compulsory	
MDDE102	Signal Processing	3	0	3	5	Compulsory	
MYZO101	Introduction to Artificial Intelligence	3	0	3	5	Compulsory	
MDDE104	Robotics and Automation	3	0	3	5	Compulsory	
MDDE106	Industrial Systems	3	0	3	3	Compulsory	
	Total Credit	21	30				

Semester 3

Code	Course Title	T	A	C	ECT	Status	Prerequisite
ATA101	Atatürk Principles and The History of	2	0	2	2	Compulsory	
MING151	Basic English I	3	0	3	4	Compulsory	
MTRD101	Turkish Language I	2	0	2	2	Compulsory	
MDDE201	Data Acquisition and IoT	3	0	3	5	Compulsory	
MDDE203	Project Management Methodology	3	0	3	2	Compulsory	
SECGNL3YY	Elective Group I (DEPARTMENTAL)	3	0	3	5	Elective	
SECGNL3YY	Elective Group II (DEPARTMENTAL)	3	0	3	5	Elective	
SECGNL3YY	Elective Group III (DEPARTMENTAL)	3	0	3	5	Elective	
	Total Credit			22	30		

Semester 4

[illegible]

Semester 5

Code	Course Title	T	A	C	ECT	Status	Prerequisite
		Total Credit					

Semester 6

Code	Course Title	T	A	C	ECT	Status	Prerequisite
		Total Credit					

Semester 7

Code	Course Title	T	A	C	ECT	Status	Prerequisite
		Total Credit					

Semester 8

Code	Course Title	T	A	C	ECT	Status	Prerequisite
		Total Credit					

TOTAL CREDIT	81
TOTAL ECTS	120

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	ECT	Status	Prerequisite
SECOND FOREIGN LANGUAGE							
DEPARTMENTAL ELECTIVE							
FACULTY ELECTIVE							
UNIVERSITY ELECTIVE							

Semester 3

Code	Course Title	T	A	C	ECT	Status	Prerequisite
SECOND FOREIGN LANGUAGE							
DEPARTMENTAL ELECTIVE							
MBLP244	Embedded Systems	3	0	3	5	Elective	
MMEK125	Vocational English	3	0	3	5	Elective	
MMEK209	Robot Technology	3	0	3	5	Elective	
MMEK222	Programmable Logic Controller	3	0	3	5	Elective	
MMEK236	Control Theory	3	0	3	5	Elective	
MYZO101	Introduction To Artificial Intelligence	3	0	3	5	Elective	
MYZO201	Artificial Neural Networks and Deep Learning	3	0	3	5	Elective	
MYZO203	Operational Artificial Intelligence	3	0	3	5	Elective	
MYZO205	Simulation and Modeling	3	0	3	5	Elective	
MYZO207	Generative Artificial Intelligence	3	0	3	5	Elective	
MYZO209	Artificial Intelligence Web Applications	3	0	3	5	Elective	
MYZO206	Image Processing with Artificial Intelligence	3	0	3	5	Elective	
MYZO208	ROS Systems	3	0	3	5	Elective	
MYZO210	Artificial Intelligence and Ethics	3	0	3	5	Elective	
MYZO202	System Design and Architecture	3	0	3	5	Elective	
MYZO211	Big Data Analysis	3	0	3	5	Elective	
MYZO212	Natural Language Processing	3	0	3	5	Elective	
MBBO207	Internet of Things	3	0	3	5	Elective	
MBLP257	Programming with Java	3	0	3	5	Elective	
MELK217	Measurement Techniques	3	0	3	5	Elective	
MBLP140	Office Applications	3	0	3	5	Elective	
MBLP251	Cyber Security	3	0	3	5	Elective	
MBLP252	Data Mining	3	0	3	5	Elective	
MMEK101	Introduction to Mechatronics	3	0	3	5	Elective	
FACULTY ELECTIVE							
MDDE204	Workplace Applications	0	18	9	15	Elective	
MDDE205	Workplace Application I	0	6	3	5	Elective	
MDDE206	Workplace Application II	0	6	3	5	Elective	
MDDE207	Workplace Application III	0	6	3	5	Elective	
MGRS201	Practices Of Entrepreneurship	3	0	3	5	Elective	
MGSA202	Fine Arts	3	0	3	5	Elective	
MMSE201	Occupational Ethics	3	0	3	5	Elective	
MISL223	General Business	3	0	3	5	Elective	
MADL230	Labour Law	3	0	3	5	Elective	
MIKA242	Basics of Effective Communication Techniques	3	0	3	5	Elective	
MBLP241	Computer Literacy	3	0	3	5	Elective	
MISC218	Principles of Occupational Health and Safety	3	0	3	5	Elective	
MING253	English III	3	0	3	5	Elective	
MFIZ103	Fundamental of Physics	3	0	3	5	Elective	
MELK237	Sustainability and Environment	3	0	3	5	Elective	
UNIVERSITY ELECTIVE							

Semester 5

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

Semester 7

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

Semester 2

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

Semester 4

Code	Course Title	T	A	C	ECT	Status	Prerequisite
SECOND FOREIGN LANGUAGE							
DEPARTMENTAL ELECTIVE							
MBLP244	Embedded Systems	3	0	3	5	Elective	
MMEK125	Vocational English	3	0	3	5	Elective	
MMEK209	Robot Technology	3	0	3	5	Elective	
MMEK222	Programmable Logic Controller	3	0	3	5	Elective	
MMEK236	Control Theory	3	0	3	5	Elective	
MYZO101	Introduction To Artificial Intelligence	3	0	3	5	Elective	
MYZO201	Artificial Neural Networks and Deep Learning	3	0	3	5	Elective	
MYZO203	Operational Artificial Intelligence	3	0	3	5	Elective	
MYZO205	Simulation and Modeling	3	0	3	5	Elective	
MYZO207	Generative Artificial Intelligence	3	0	3	5	Elective	
MYZO209	Artificial Intelligence Web Applications	3	0	3	5	Elective	
MYZO206	Image Processing with Artificial Intelligence	3	0	3	5	Elective	
MYZO208	ROS Systems	3	0	3	5	Elective	
MYZO210	Artificial Intelligence and Ethics	3	0	3	5	Elective	
MYZO202	System Design and Architecture	3	0	3	5	Elective	
MYZO211	Big Data Analysis	3	0	3	5	Elective	
MYZO212	Natural Language Processing	3	0	3	5	Elective	
MBBO207	Internet of Things	3	0	3	5	Elective	
MBLP257	Programming with Java	3	0	3	5	Elective	
MELK217	Measurement Techniques	3	0	3	5	Elective	
MBLP140	Office Applications	3	0	3	5	Elective	
MBLP251	Cyber Security	3	0	3	5	Elective	
MBLP252	Data Mining	3	0	3	5	Elective	
MMEK101	Introduction to Mechatronics	3	0	3	5	Elective	
FACULTY ELECTIVE							
MDDE204	Workplace Applications	0	18	9	15	Elective	
MDDE205	Workplace Application I	0	6	3	5	Elective	
MDDE206	Workplace Application II	0	6	3	5	Elective	
MDDE207	Workplace Application III	0	6	3	5	Elective	
MGRS201	Practices Of Entrepreneurship	3	0	3	5	Elective	
MGSA202	Fine Arts	3	0	3	5	Elective	
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MIKA242	Basics of Effective Communication Techniques	3	0	3	5	Elective	
MBLP241	Computer Literacy	3	0	3	5	Elective	
MISC218	Principles of Occupational Health and Safety	3	0	3	5	Elective	
MING254	English IV	3	0	3	5	Elective	
MFIZ103	Fundamental of Physics	3	0	3	5	Elective	
MELK237	Sustainability and Environment	3	0	3	5	Elective	
UNIVERSITY ELECTIVE							

Semester 6

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

Semester 8

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