

**VOCATIONAL SCHOOL  
DEPARTMENT OF MACHINERY AND METAL TECNOLOGY  
PROGRAM OF MACHINE  
ASSOCIATE DEGREE CURRICULUM**

**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	
MMAT103	Mathematics I	2	0	2	4	Compulsory	
MMEK105	Computer Programming	2	2	3	5	Compulsory	
MMAK150	Statics	3	0	3	8	Compulsory	
MMAK115	Manufacturing Process	3	0	3	7	Compulsory	
<b>Total Credit</b>		<b>16</b>			<b>30</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	
MMAT102	Mathematics II	2	0	2	4	Compulsory	
MMAK130	Dynamics	3	0	3	5	Compulsory	
MMAK146	Machine Tools	3	0	3	5	Compulsory	
MMAK102	Material Technology	3	0	3	5	Compulsory	
MMAK152	Computer Aided Technical Drawing	2	2	3	5	Compulsory	
<b>Total Credit</b>		<b>19</b>			<b>30</b>		

**Semester 3**

Code	Course Title	T	A	C	ECTS	Status	Prerequisite
MTRD101	Turkish Language I	2	0	2	2	Compulsory	
MMAK213	Computer Aided Design	2	2	3	4	Compulsory	
MINS215	Strength of Structures	3	0	3	6	Compulsory	
MMAK201	Fluid Dynamics	3	0	3	8	Compulsory	
SECGN13YY	Elective Course I	3	0	3	5	Elective	
SECGN14YY	Elective Course II	3	0	3	5	Elective	
<b>Total Credit</b>		<b>17</b>			<b>30</b>		

**Semester 4**

Code	Course Title	T	A	C	ECTS	Status	Prerequisite
MTRD102	Turkish Language II	2	0	2	2	Compulsory	
MMAK112	Thermodynamics	3	0	3	6	Compulsory	
MMAK212	Hydraulic and Pneumatic Systems	3	0	3	5	Compulsory	
MMAK202	Graduation Project	3	0	3	7	Compulsory	
SECGN14YY	Elective Course III	2	2	3	5	Elective	
SECGN14YY	Elective Course IV	3	0	3	5	Elective	
<b>Total Credit</b>		<b>17</b>			<b>30</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>69</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

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							
MMAK203	Pumps and Compressors	3	0	3	5	Elective	
MMAK131	Heat Transfer	3	0	3	5	Elective	
FACULTY ELECTIVE							
MGSA101	Fine Arts I	1	0	1	2	Elective	
MGRS202	Entrepreneurship	2	2	3	4	Elective	
UNIVERSITY ELECTIVE							
KYP001-01	Career and Life	0	2	1	1	Elective	

Semester 4

Code	Course Title	T	A	C	ECTS	Status	Prerequisite
SECOND FOREIGN LANGUAGE							
DEPARTMENTAL ELECTIVE							
MMAK134	Air Conditioning and Cooling Systems	3	0	3	5	Elective	
FACULTY ELECTIVE							
MGSA102	Fine Arts II	1	0	1	2	Elective	
MGRS202	Entrepreneurship	2	2	3	4	Elective	
MELK220	Renewable Energy Resources	3	0	3	5	Elective	
UNIVERSITY ELECTIVE							
KYP001-01	Career and Life	0	2	1	1	Elective	

Semester 5

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

Semester 6

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