

2013-2015 Course Curriculum

Preparatory Class

Code	Course Name	T	U	C	ECTS
BHT101	Scientific Preparation	15	0	15	30

1st Year - 1st Semester

Code	Course Name	T	U	C	ECTS
TRD 109	Turkish Language I	2	0	2	2
YDI 107	English I	2	0	2	2
MAT 161	Mathematics I	4	0	4	6
FIZ 111	Physics I	3	2	4	7
KIM 101	Chemistry	2	2	3	4
MMT 101	Technical Drawing	2	2	3	5
MMT 103	Introduction to Mechanical Engineering	3	2	3	4

Total: 18 | **Practical:** 8 | **Credits:** 21 | **ECTS:** 30

1st Year - 2nd Semester

Code	Course Name	T	U	C	ECTS
TRD 110	Turkish Language II	2	0	2	2
YDI 108	English II	2	0	2	2
MAT 162	Mathematics II	4	0	4	6
FIZ 112	Physics II	3	2	4	7
MMT 102	Computer-Aided Technical Drawing	2	2	3	5
MMT 104	Statics	3	0	3	4
MMT 106	Material Science	3	1	3	4

Total: 19 | **Practical:** 5 | **Credits:** 21 | **ECTS:** 30

2nd Year - 3rd Semester

Code	Course Name	T	U	C	ECTS
AIT 209	Principles of Atatürk and History of Reforms I	2	0	2	2
MAT 213	Linear Algebra	2	0	2	3
MMT 201	Industrial Measurement Techniques	2	1	3	5
MMT 203	Dynamics	3	0	3	4
MMT 205	Strength of Materials I	3	0	3	4
MMT 207	Thermodynamics I	2	0	2	3
MMT 209	Manufacturing Methods	3	1	3	6
Elective Social Course	2	0	2	3	

Total: 19 | **Practical:** 2 | **Credits:** 20 | **ECTS:** 30

2nd Year - 4th Semester

Code	Course Name	T	U	C	ECTS
AIT 210	Principles of Atatürk and History of Reforms II	2	0	2	2
ELK 214	Electrical and Electronics Engineering	2	0	2	3
MAT 214	Engineering Mathematics	3	0	3	5
MMT 204	Computer Programming	2	2	3	5
MMT 208	Strength of Materials II	3	0	3	4
MMT 210	Thermodynamics II	2	0	2	3
MMT 206	Machine Elements I	3	0	3	3
MMT 212	Manufacturing Technology I	3	2	4	5

Total: 20 | **Practical:** 4 | **Credits:** 22 | **ECTS:** 30

3rd Year - 5th Semester

Code	Course Name	T	U	C	ECTS
IST 315	Probability and Statistics	2	0	2	2
MMT 303	Numerical Analysis	3	0	3	4
MMT 305	Heat Transfer I	2	0	2	3
MMT 309	Fluid Mechanics I	2	0	2	2
MMT 311	Industrial Hydraulic and Pneumatic Systems	2	2	3	5
MMT 313	Engines	3	1	3	5
MMT 315	Manufacturing Technology II	3	2	4	6
Elective Branch Course	2	2	3	4	

Total: 20 | **Practical:** 5 | **Credits:** 22 | **ECTS:** 30

3rd Year - 6th Semester

Code	Course Name	T	U	C	ECTS
MMT 304	Mechanism Technique	2	0	2	3
MMT 302	Heat Transfer II	2	1	3	4
MMT 306	Fluid Mechanics II	2	1	3	3
MMT 310	CNC Machine Tools	2	2	3	5
Elective Branch Course	2	2	3	4	
Elective Branch Course	2	2	3	4	
Elective Social Course	2	0	2	3	

Total: 16 | **Practical:** 10 | **Credits:** 22 | **ECTS:** 30

4th Year - 7th Semester

Code	Course Name	T	U	C	ECTS
MMT 401	Workplace Training	5	15	13	20
MMT 403	Internship I	0	2	1	5
MMT 405	Internship II	0	2	1	5
MMT 417	Machine Design and Material Selection	2	2	3	4
MMT 407	Machine Dynamics	2	0	2	3
MMT 409	Transport Technique	2	1	3	4
MMT 411	Tribology	2	0	2	3
Elective Branch Course	2	2	3	5	
Elective Branch Course	2	2	3	5	
Elective Social Course	2	0	2	2	

Total: 19 | **Practical:** 15 | **Credits:** 33 | **ECTS:** 30

4th Year - 8th Semester

Code	Course Name	T	U	C	ECTS
MMT 401	Workplace Training	5	15	13	20
MMT 414	Machine Design and Material Selection	2	2	3	4
MMT 402	Machine Dynamics	2	0	2	3
MMT 404	Transport Technique	2	1	3	4
MMT 406	Tribology	2	0	2	3
MMT 410	Graduation Project	0	2	1	2
Elective Branch Course	2	2	3	5	
Elective Branch Course	2	2	3	5	
Elective Branch Course	2	2	3	5	
Elective Social Course	2	0	2	2	

Total: 16 | **Practical:** 11 | **Credits:** 22 | **ECTS:** 30