

## 2016 Updated Course Curriculum

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### Preparatory Class

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

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### 1st Year - 1st Semester

Code	Course Name	T	U	C	ECTS
YDI107	English I	2	0	2	2
MAT161	Mathematics I	4	0	4	6
FIZ111	Physics I	4	0	4	6
KIM105	Chemistry	4	0	4	6
TMM117	Computer-Aided Drawing I	3	2	4	3
TMM103	Introduction to Mechanical Engineering	3	1	4	3
FIZ105	Physics Laboratory I	0	2	1	2
KIM109	Chemistry Laboratory	0	2	1	2

**Total: 20 | Practical: 7 | Credits: 24 | ECTS: 30**

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**1st Year - 2nd Semester**

Code	Course Name	T	U	C	ECTS
YDI108	English II	2	0	2	2
MAT162	Mathematics II	4	0	4	6
FIZ112	Physics II	3	0	3	5
TMM102	Computer-Aided Drawing II	3	2	4	4
TMM104	Statics	3	0	3	4
TMM106	Material Science	3	1	4	4
FIZ106	Physics Laboratory II	0	2	1	2
TMM114	Computer Programming	2	2	3	3

**Total: 20 | Practical: 7 | Credits: 24 | ECTS: 30**

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**2nd Year - 3rd Semester**

Code	Course Name	T	U	C	ECTS
AIT209	Principles of Atatürk and History of Reforms I	2	0	2	2
MAT215	Linear Algebra	2	0	2	4
IST217	Probability and Statistics	3	0	3	4
TMM201	Industrial Measurement Techniques	2	1	3	3
TMM203	Dynamics	3	0	3	4
TMM205	Strength of Materials I	3	0	3	4
TMM207	Thermodynamics I	3	0	3	3
TMM209	Manufacturing Methods	3	1	4	4

**Total: 23 | Practical: 2 | Credits: 25 | ECTS: 30**

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**2nd Year - 4th Semester**

Code	Course Name	T	U	C	ECTS
AIT210	Principles of Atatürk and History of Reforms II	2	0	2	2
MAT220	Differential Equations	4	0	4	6
TRD210	Turkish Language II	2	0	2	2
TMM216	Mechanism Technique	2	1	3	3
TMM208	Strength of Materials II	3	0	3	4
TMM210	Thermodynamics II	2	1	3	4
TMM206	Machine Elements I	3	0	3	4
TMM212	Manufacturing Technology I	3	2	4	5

**Total: 21 | Practical: 4 | Credits: 24 | ECTS: 30**

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**3rd Year - 5th Semester**

Code	Course Name	T	U	C	ECTS
TMM305	Heat Transfer I	2	0	2	4
TMM307	Machine Elements II	3	0	3	5
TMM309	Fluid Mechanics I	2	1	3	4
TMM315	Manufacturing Technology II	3	2	4	5
TMM313	Engines	3	1	4	5
Elective Branch Course	3	1	4	4	
Elective Social Course	2	0	2	3	

**Total: 18 | Practical: 5 | Credits: 22 | ECTS: 30**

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**3rd Year - 6th Semester**

Code	Course Name	T	U	C	ECTS
TMM302	Heat Transfer II	2	1	3	4
TMM310	CNC Machine Tools	3	1	4	5
TMM306	Fluid Mechanics II	2	0	2	5
TMM336	Numerical Analysis	2	1	3	4
Elective Branch Course	3	1	4	4	
Elective Branch Course	3	1	4	4	
Elective Social Course	2	0	2	3	

**Total: 18 | Practical: 6 | Credits: 24 | ECTS: 30**

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**4th Year - 7th Semester**

Code	Course Name	T	U	C	ECTS
TMM401	Workplace Training	5	0	5	5
TMM403	Workplace Practice	0	15	8	15
TMM405	Professional Practice I	0	2	1	5
TMM407	Professional Practice II	0	2	1	5
Elective Branch Course	3	1	4	4	
Elective Branch Course	3	1	4	4	
Elective Social Course	2	0	2	2	

**Total: 13 | Practical: 21 | Credits: 25 | ECTS: 30**

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**4th Year - 8th Semester**

Code	Course Name	T	U	C	ECTS
TMM440	Workplace Training	5	0	5	5
TMM448	Workplace Practice	0	15	8	15
TMM442	Professional Practice I	0	2	1	5
TMM444	Professional Practice II	0	2	1	5
TMM414	Machine Design and Material Selection	3	1	4	5
TMM410	Graduation Project	0	2	1	2
Elective Social Course	2	0	2	2	

**Total: 17 | Practical: 20 | Credits: 22 | ECTS: 30**