

**ENGINEERING FACULTY / INSTITUTE**  
**DEPARTMENT OF MANUFACTURING ENGINEERING**  
**(NEW CURRICULUM)**

FIRST YEAR					
1. Semester					
Code	Name of the Course	T	A	C	ECTS
MATH 157	Extended Calculus I	4	2	5	7.5
PHYS 101	General Physics I	3	2	4	6.0
ENG 101	English Communication Skills I	4	0	4	3.5
MFGE 105	Computer Aided Engineering Drawing	1	3	2	4.0
MFGE 101	Introduction to Manufacturing Engineering	2	0	2	2.0
HIST 111	Prin. of Atatürk and Hist. of Turkish. Rev. I	2	0	2	2.0
CEAC 105	General Chemistry	3	2	4	5.0
				23	30

FIRST YEAR					
2. Semester					
Code	Name of the Course	T	A	C	ECTS
MATH 158	Extended Calculus II	4	2	5	7.5
PHYS 102	General Physics II	3	2	4	6.0
MFGE 108	Computer Aided Solid Modelling	1	3	2	4.0
CMPE 102	Computer Programming	2	2	3	4.0
ENG 102	English for Academic Purposes II	4	0	3	3.5
HIST 112	Prin. Of Atatürk and Hist. of Turkish. Rev. II	2	0	2	2.0
HIST 221	History of Civilization	3	0	3	3.0
				22	30

SECOND YEAR					
3. Semester					
Code	Name of the Course	T	A	C	ECTS
ME 201	Statics	3	0	3	6.0
EE 234	Introduction of Electrical Engineering	3	1	3	5.0
MATE 207	Introduction to Materials Engineering	3	0	3	5.0
MFGE 205	Introduction to Manufacturing Processes	2	2	3	5.0
ENE 203	Thermodynamics I	3	0	3	6.0
ENG 201	English for Academic Purposes III	3	0	3	3.0
				18	30

SECOND YEAR					
4. Semester					
Code	Name of the Course	T	A	C	ECTS
MECE 204	Dynamics	3	1	3	6.0
ME 210	Strength of Materials	3	1	3	6.0
MFGE 202	Principles of Engineering Design	2	2	3	3.0
MATH 275	Linear Algebra	4	0	4	6.0
MATH 276	Differential Equations	4	0	4	6.0
ENG 202	English for Academic Purposes IV	3	0	3	3.0
				20	30

THIRD YEAR					
5. Semester					
Code	Name of the Course	T	A	C	ECTS
MFGE 303	Metal Forming	3	1	3	5.0
MFGE 307	Metal Cutting	3	1	3	5.0
MECE 303	Theory of Machines	3	1	3	6.0
MATH380	Numerical Methods for Engineers Professional Communication	3	1	3	5.0
ENG 301	English for Career Development I	3	0	3	3.0
ENE 301	Heat Transfer	3	1	3	6.0
MFGE 399	Summer Practice I			NC	6.0
				18	36
6. Semester					
Code	Name of the Course	T	A	C	ECTS
ME 316	Machine Elements	3	1	3	7.0
	General Elective	3	0	3	4.0
MFGE 312	Statistical Analysis and Instrumentation	3	1	3	5.0
MFGE 316	Casting and Powder Metallurgy	3	1	3	6.0
ENG 302	English for Professional Communication II	3	0	3	3.0
IE 305	Engineering Economy	2	0	2	5.0
				17	30

FOURTH YEAR					
7. Semester					
Code	Name of the Course	T	A	C	ECTS
MFGE 401	Capstone Project I	3	1	3	9.0
TURK 401	Turkish Language I	2	0	2	2.0
	Area Elective	3	0	3	5.0
	Area Elective	3	0	3	5.0
	Area Elective	3	0	3	5.0
	General Elective	3	0	3	4.0
MFGE 499	Summer Practice II			NC	6.0
				17	36
8. Semester					
Code	Name of the Course	T	A	C	ECTS
MFGE 402	Capstone Project II	1	4	3	9.0
TURK 402	Turkish Language II	2	0	2	2.0
	Area Elective	3	0	3	5.0
	Area Elective	3	0	3	5.0
	Area Elective	3	0	3	5.0
	General Elective	3	0	3	4.0
				17	30