ECTS

Program Information Package

Program: Mechanical Engineering | Total ECTS: 240 | Date of Issue: 20.11.2026

Program Information

Program Name	Mechanical Engineering
Education Level	Bachelor
Language of Instruction	English
Program Duration	8 Semesters
Maximum Duration	14 Semesters
Head of Program	Prof. Dr. Muhammet Fatih BAY
Internship	Required
Total ECTS	240

Course Plan

2018 MAKİNE MÜHENDİSLİĞİ(PASİF)

Semester 1

Code	Course Name	L	P	Lab	Credit	ECTS	Language
CS 101	Introduction to Programming I	3	0	2	4	6	English
ENEN 101	English for Engineers I	4	0	0	4	4	English
PHYS 101	Physics I	3	0	0	3	4	English
PHYS 101L	Physics I Laboratory	0	0	2	1	2	English
CHEM 101	General Chemistry	3	2	0	4	6	English
MATH 101a	Calculus I	0	0	0	5	6	English
TURK 101	Turkish Language I	2	0	0	2	2	Turkish

Semester 2

Code	Course Name	L	P	Lab	Credit	ECTS	Language
ENEN 102	English for Engineers II	4	0	0	4	4	English
MATH 102	Calculus II	4	2	0	5	6	English
PHYS 102	Physics II	3	0	0	3	4	English
PHYS 102L	Physics II Laboratory	0	0	2	1	2	English
TURK 102	Turkish Language II	2	0	0	2	2	Turkish
MATH 201	Linear Algebra	4	0	0	4	5	English
ME 112	Statics (Mechanics I)	3	0	0	3	5	English
ME 122	Engineering Drawing II	0	1	2	2	3	English

Semester 3

Code	Course Name	L	P	Lab	Credit	ECTS	Language
HIST 101a	Atatürk's Principles and Revolution History I	2	0	0	2	2	English
MATH 202	Differential Equations	4	0	0	4	5	English
ME 201	Fund. of Electrical and Electronics Engineering	2	0	1	3	4	English

Code	Course Name	L	P	Lab	Credit	ECTS	Language
ME 221	Materials Science	2	0	2	3	5	English
ME 213	Dynamics (Mechanics II)	3	0	0	3	5	English
ME 211	Strength of Materials I	3	0	0	3	5	English
ME 241	Thermodynamics I	3	0	0	3	5	English

Semester 4

Code	Course Name	L	P	Lab	Credit	ECTS	Language
HIST 102	Atatürk's Principles and Revolution History II	2	0	0	2	2	Turkish
ME 202	Programming for Engineers	2	0	2	3	5	English
ME 222	Design and Manufacturing I	3	0	0	3	5	English
ME 204	Measurement Techniques	2	1	0	3	5	English

Semester 5

Code	Course Name	L	P	Lab	Credit	ECTS	Language
MATH 211	Probability and Statistics for Engineering	3	0	0	3	5	English
MATH 300	Numerical Analysis for Engineers	4	0	0	4	5	English
ME 311	Fluid Mechanics II	3	0	0	3	5	English
ME 321	Machine Elements I	3	0	0	3	5	English
ME 341	Heat Transfer I	3	0	0	3	5	English
ME 300	Summer Internship I	0	0	0	0	0	English
AE 4X33	Area Elective	0	0	0	0	5	-
AE 4X31	Area Elective	0	0	0	0	5	-
ME 323	Design and Manufacturing II	3	0	0	3	5	English

Semester 6

Code	Course Name	L	P	Lab	Credit	ECTS	Language
ME 322	Machine Elements II	3	0	0	3	5	English
ME 342	Heat Transfer II	3	0	0	3	5	English

Code	Course Name	L	P	Lab	Credit	ECTS	Language
ME 352	Mechanical Vibrations	3	0	0	3	5	English
ME 354	Mechanisms	3	0	0	3	5	English
AE 4X34	Area Elective (Department Elective)	0	0	0	0	5	-
AE 4X32	Area Elective (Department Elective)	0	0	0	0	5	-

Semester 7

Code	Course Name	L	P	Lab	Credit	ECTS	Language
GEN 401	Worker's Health and Work Safety I	2	0	0	2	2	English
GEN 200	Engineering Economics	3	0	0	3	4	English
ME 451	System Dynamics and Control	3	0	0	3	5	English
ME 400	Summer Internship II	0	0	0	0	0	English
AE 4XX7	Area Elective	0	0	0	0	5	-
AE 4XX5	Area Elective	0	0	0	0	5	-
AE 4XX3	Area Elective (Department Elective)	0	0	0	0	5	-
AE 4XX1	Area Elective (Department Elective)	0	0	0	0	5	-
NAE 401	Non Area Elective	0	0	0	0	5	-

Semester 8

Code	Course Name	L	P	Lab	Credit	ECTS	Language
GEN 402	Worker's health and Work Safety II	2	0	0	2	2	English
GEN 404	Innovation and Entrepreneurship	2	0	0	2	2	English
ME 402	Senior Project	0	6	0	0	6	English
NAE 402	Non Area Elective	0	0	0	0	5	-
AE 4XX6	Area Elective	0	0	0	0	5	-
AE 4XX4	Area Elective	0	0	0	0	5	-
AE 4XX2	Area Elective	0	0	0	0	5	-

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