

Study Programme at İzmir Kâtip Çelebi University Faculty of Engineering and Architecture Department of Mechanical Engineering 1st Year			
Course Code	Course Title	Semester	ECTS
ME101	Introduction to Mechanical Engineering	Autumn	2
MAT101	Calculus I	Autumn	7
PHY101	Physics I	Autumn	7
CHE101	Chemistry for Engineers	Autumn	7
ENG111	English for Academic Reading and Speaking I	Autumn	3
ATA101	Principles of Atatürk & Hist. of the Turkish Rev. I	Autumn	2
TDE101	Turkish Language and Literature I	Autumn	2
ME112	Computer Aided Engineering Drawing I	Spring	5
ME122	Statics	Spring	4
MAT102	Calculus II	Spring	7
PHY102	Physics II	Spring	7
ENG112	English for Academic Reading and Speaking II	Spring	3
ATA102	Principles of Atatürk & Hist. of the Turkish Rev. II	Spring	2
TDE102	Turkish Language and Literature II	Spring	2

Study Programme at İzmir Kâtip Çelebi University Faculty of Engineering and Architecture Department of Mechanical Engineering 2nd Year			
Course Code	Course Title	Semester	ECTS
ME211	Computer Aided Eng Drawing II	Autumn	5
ME221	Materials Science & Engineering I	Autumn	4
ME241	Thermodynamics I	Autumn	4
ME261	Strength of Materials I	Autumn	4
MAT205	Differential Equations	Autumn	6
COE201	Computer Programming and Applications	Autumn	4
	Non-Technical Elective I	Autumn	3
ME206	Economy for Engineers	Spring	2
ME212	Dynamics	Spring	4
ME222	Materials Science & Engineering II	Spring	4
ME232	Applied Mathematics for Engineers	Spring	4
ME242	Thermodynamics II	Spring	4
ME252	Fundamentals of Electrical and Electronic Circuits	Spring	4
ME262	Strength of Materials II	Spring	5
	Non-Technical Elective II	Spring	3

Study Programme at İzmir Kâtip Çelebi University Faculty of Engineering and Architecture Department of Mechanical Engineering 3rd Year			
Course Code	Course Title	Semester	ECTS
ME311	Machine Elements I	Autumn	5
ME321	Fluid Mechanics I	Autumn	5
ME331	Theory of Machines I	Autumn	4
ME341	Numerical Methods in Engineering	Autumn	4
ME351	Heat Transfer	Autumn	5
ME361	Manufacturing Processes	Autumn	4
	Non-Technical Elective III	Autumn	3
ME312	Machine Elements II	Spring	4
ME322	Thermal&Fluid Engineering	Spring	4
ME332	Dynamics of Machinery	Spring	3
ME362	Manufacturing Engineering	Spring	4
ME372	Mechanical Engineering Laboratory	Spring	3
ME382	System Analysis and Control	Spring	4
ME300	Summer Practice I	Spring	5
	Non-Technical Elective IV	Spring	3

Study Programme at İzmir Kâtip Çelebi University Faculty of Engineering and Architecture Department of Mechanical Engineering 4th Year			
Course Code	Course Title	Semester	ECTS
ME4xx	Design Elective I	Autumn	4
ME400	Summer Practice II	Autumn	5
ES411	Occupational Health and Safety I	Autumn	3
ME4xx	Departmental Elective	Autumn	6
ME4xx	Departmental Elective	Autumn	6
ME4xx	Departmental Elective	Autumn	6
ME4xx	Design Elective II	Spring	8
ME400	Outlines of Mechanical Engineering	Spring	1
ES411	Occupational Health and Safety II	Spring	3
ME4xx	Departmental Elective	Spring	6
ME4xx	Departmental Elective	Spring	6
ME4xx	Departmental Elective	Spring	6

ELECTIVE COURSE LIST		
Course Code	Course Title	ECTS
ME411	Research in Thermal and Fluid Design	4
ME413	Research in Mechanical Design	4
ME415	Research in Robotics and Control Design	4
ME412	Thermal and Fluid Design Application	8
ME414	Mechanical Design Application	8
ME416	Robotics and Control Design Application	8
ME441	Introduction to Computational Fluid Dynamics	6
ME442	Renewable Energy	6
ME443	Heating, Ventilating, Air Conditioning and Refrigeration	6
ME444	Gas Turbines and Jet Propulsion	6
ME466	Advanced Engineering Mathematics	6
ME461	Heat Treatments of Metals	6
ME462	Introduction to Composite Materials	6
ME463	Introduction to Tribology	6
ME464	Optimization in Engineering	6
ME465	Introduction to Solid Mechanics	6
ME466	Advanced Engineering Mathematics	6
ME467	Introduction to Robotics	6
ME468	Computer Aided Mechanical Design	6

ME469	Automotive Engineering	6
ME470	Pneumatics In Automation	6
ME471	Design of Robotics with Arduino	6
ME472	Computer Applications In Mechanical Engineering	6
ME473	Introduction to Finite Element Method	6
ME474	Mechanical Vibrations	6
MSE353	Metals and Alloys	6
MSE362	Seramics Materials	6
ME481	Industrial Applications of Mechanical Eng. I	6
ME482	Industrial Applications of Mechanical Eng. II	6