

Mechanical Engineering Double Major Program for Department of Civil Engineering						
	COURSE C.	COURSE NAME	T	A	L	ECTS
1. YEAR FALL	CHE101	Chemistry for Engineers	2	0	2	7
	MAT101	Calculus I	3	2		7
	CE101	Introduction to Civil Engineering	2	0		2
	PHY101	Physics I	3	0	2	7
	ENG110*	English I	2	0		3
	ATA101*	Principles of Atatürk & Hist. of the Turkish Rev. I	2	0		2
	TDE101*	Turkish Language I	2	0		2
		TOTAL SEMESTER ECTS				30
1. YEAR SPRING SEMESTER	MAT102	Calculus II	3	2		7
	CE106	Computer Aided Engineering Drawing	2	2		5
	CE221	Statics	3	0		5
	PHY102	Physics II	3	0	2	7
	ENG111*	English II	2	0		3
	ATA102*	Principles of Atatürk & Hist. of the Turkish Rev. II	2	0		2
	TDE102*	Turkish Language II	2	0		2
		TOTAL SEMESTER ECTS				31
2. YEAR FALL	COE108	C Programming	2	2		4
	MAT205	Differential Equations	4	0		6
	ME211	Computer Aided Eng Drawing II	2	2		5
	CE241	Materials Science	3	0		4
	ME241	Thermodynamics I	3	0		4
	CE222	Strength of Materials	3	2		7
		Non-Technical Elective I	2	0		3
		TOTAL SEMESTER ECTS				33
2. YEAR SPRING	CE224	Dynamics	3	0		5
	ME222	Materials Science & Engineering II	3	0		4
	MAT208	Applied Linear Algebra	3	0		5
	ME242	Thermodynamics II	3	0		4
	CE391	Structural Mechanics & Analysis	3	1		5
	CE310	Introduction to Engineering Economy	3	0		4
		Non-Technical Elective II	2	0		3
		TOTAL SEMESTER ECTS				30
3. YEAR FALL	ME311	Machine Elements I	2	2		5
	CE250	Fluid Mechanics	3	0		5
	ME331	Theory of Mechanizm	3	0		4
	MAT210	Numerical Methods And Applications	2	-	1	5
	ME351	Heat Transfer	4	0		5
	ME361	Manufacturing Processes	3	0		4
		Non-Technical Elective III	2	0		3
		TOTAL SEMESTER ECTS				31
3. YEAR SPRING SEMESTER	ME300	Summer Practice I	0	2		5
	ME312	Machine Elements II	2	2		4
	ME322	Thermal & Fluid Engineering	2	2		4
	ME332	Dynamics of Machinery	3	0		3
	ME362	Manufacturing Engineering	3	0		4
	ME372	Mechanical Engineering Laboratory	1	2		3
	ME382	System Analysis and Control	4	0		4
		Non-Technical Elective IV	2	0		3
		TOTAL SEMESTER ECTS				30
4. YEAR FALL	ME400	Summer Practice II	0	2		5
	ES411	Occupational Health and Safety I	2	0		3
	ENG4XX	Interdisciplinary Technical Elective Courses	0	2		6
	ME4XX	Departmental Elective (3 courses will be selected from ME4XX elective c.)				12
		TOTAL SEMESTER ECTS				26
4. YEAR SPRING SEMESTER	ME4DE2	Design Elective Course Group B	2	3		8
	ES412	Occupational Health and Safety II	2	0		3
	ME4XX	Departmental Elective (3 courses will be selected from ME4XX elective c.)				18
		TOTAL SEMESTER ECTS				29
		CUMULATIVE ECTS				240

Mechanical Engineering Department Double Major Program for Department of Mechatronics Engineering						
	COURSE C.	COURSE NAME	T	A	L	ECTS
1. YEAR FALL	CHE101	Chemistry for Engineers	2	0	2	7
	MAT101	Calculus I	3	2		7
	MEE101	Introduction to Mechatronics Engineering	2	0		2
	PHY101	Physics I	3	0	2	7
	ENG110*	English I	2	0		3
	ATA101*	Principles of Atatürk & Hist. of the Turkish Rev. I	2	0		2
	TDE101*	Turkish Language I	2	0		2
		TOTAL SEMESTER ECTS				30
1. YEAR SPRING SEMESTER	MAT102	Calculus II	3	2		7
	MEE111	Computer Aided Technical Drawing I	2	2		3
	MEE102	Statics	2	2		4
	PHY102	Physics II	3	0	2	7
	ENG111*	English II	2	0		3
	ATA102*	Principles of Atatürk & Hist. of the Turkish Rev. II	2	0		2
	TDE102*	Turkish Language II	2	0		2
	MEE104	Measurement and Evaluation Technique	1	2		2
		TOTAL SEMESTER ECTS				30
2. YEAR FALL	COE108	C Programming	2	2		4
	MAT205	Differential Equations	4	0		6
	MEE112	Computer Aided Technical Drawing II	2	2		3
	MEE231	Materials Science	3	0		3
	MEE241	Thermodynamics I	3	0		4
	MEE224	Strength of Materials	4	0		4
	MEE211	Electric and Electronic Curcuits Theory I	2	2		3
		Non-Technical Elective I	2	0		3
		TOTAL SEMESTER ECTS				30
2. YEAR SPRING	MEE203	Dynamics	2	2		4
	ME222	Materials Science & Engineering II	3	0		4
	MEE232	Applied Mathematics for Engineers	3	0		4
	ME242	Thermodynamics II	3	0		4
	ME262	Strength of Materials II	3	0		5
	ME206	Economy for Engineers	2	0		2
	MEE212	Electric and Electronic Curcuits II	2	2		4
	MEE210	Electrical Machines	2	2		4
		Non-Technical Elective II	2	0		3
		TOTAL SEMESTER ECTS				34
3. YEAR FALL	ME311	Machine Elements I	2	2		5
	MEE314	Fluid Mechanics	3	0		3
	MEE311	Mechanism Design I	3	1		5
	MEE208	Numerical Methods in Engineering	2	2		4
	ME351	Heat Transfer	4	0		5
	MEE304	Manufacturing Processes	3	0		3
		Non-Technical Elective III	2	0		3
		TOTAL SEMESTER ECTS				28
3. YEAR SPRING SEMESTER	MEE301	Basic Practice I	0	2		2
	MEE307	Mechatronic System Design I	2	2		4
	ME322	Thermal&Fluid Engineering	2	2		4
	MEE312	Mechanism Design II	3	1		5
	ME362	Manufacturing Engineering	3	0		4
	ME372	Mechanical Engineering Laboratory	1	2		3
	MEE310	Automatic Control	2	2		4
		Non-Technical Elective IV	2	0		3
		TOTAL SEMESTER ECTS				29
4. YEAR FALL	MEE401	Graduation Projects I	0	2		4
	ME400	Summer Practice II	0	2		5
	ES411	Occupational Health and Safety I	2	0		3
	ENG4xx	Interdisciplinary Technical Elective Courses	0	2		6
	ME4XX	Departmental Elective (2 courses will be selected from ME4XX elective c.)				12
		TOTAL SEMESTER ECTS				30
4. YEAR SPRING SEMESTER	ME4DE2	Design Elective II	2	3		8
	ES412	Occupational Health and Safety II	2	0		3
	ME4XX	Departmental Elective (3 courses will be selected from ME4XX elective c.)				18
		TOTAL SEMESTER ECTS				29
		CUMULATIVE ECTS				240

Mechanical Engineering Double Major Program for the Department of Materials Science and Engineering						
Mechanical Engineering Double Major Program for Department of Metallurgical and Materials Engineering						
	COURSE C.	COURSE NAME	T	A	L	ECTS
1. YEAR FALL SEMESTER	CHE103	General Chemistry	3	0	2	5
	MAT101	Calculus I	3	2		7
	MSE115	Introduction to Materials Science Engineering	2	0		4
	PHY101	Physics I	3	0	2	7
	ENG110*	English I	2	0		3
	ATA101*	Principles of Atatürk and Hist. of the Turkish Rev. I	2	0		2
	TDE101*	Turkish Language I	2	0		2
		TOTAL SEMESTER ECTS				
1. YEAR SPRING SEMESTER	MAT102	Calculus II	3	2		7
	MSE110	Computer Aided Engineering Graphics	2	2		4
	MSE219	Statics and Strength of Materials	3	0		5
	PHY102	Physics II	3	0	2	7
	ENG111*	English II	2	0		3
	ATA102*	Principles of Atatürk and Hist.of the Turkish Rev. II	2	0		2
	TDE102*	Turkish Language II	2	0		2
		TOTAL SEMESTER ECTS				
2. YEAR FALL SEMESTER	COE201	Computer Programming and Applications	2	2		4
	MSE211	Applied Engineering Mathematics	3	0		5
	ME211	Computer Aided Engineering Drawing II	2	2		5
	MSE215	Materials Science I	3	0		6
	MSE213	Thermodynamics of Materials I	3	0		5
	MSE317	Mechanical Behaviour of Materials	3	0		5
		Non-Technical Elective I	2	0		3
		TOTAL SEMESTER ECTS				
2. YEAR SPRING SEMESTER	ME212	Dynamics	3	0		4
	MSE216	Materials Science II	3	0		6
	MSE222	Statistical Methods for Engineering	3	0		5
	ME242	Thermodynamics II	3	0		4
	ME252	Fundamentals of Electrical and Electronic Circuits	3	0		4
	ME262	Strength of Materials II	3	0		5
		Non-Technical Elective II	2	0		3
		TOTAL SEMESTER ECTS				
3. YEAR FALL SEMESTER	ME311	Machine Elements I	2	2		5
	ME321	Fluid Mechanics	4	0		5
	ME331	Theory of Mechanism	3	0		4
	ME341	Numerical Methods in Engineering	3	1		4
	ME351	Heat Transfer	4	0		5
	MSE324	Materials Process Technologies	3	0		5
		Non-Technical Elective III	2	0		3
		TOTAL SEMESTER ECTS				
3. YEAR SPRING SEMESTER	ME300	Summer Practice I	0	2		5
	ME312	Machine Elements II	2	2		4
	ME322	Thermal&Fluid Engineering	2	2		4
	ME332	Dynamics of Machinery	3	0		3
	ME362	Manufacturing Engineering	3	0		4
	MSE312	Materials Laboratory	2	0	4	5
	ME382	System Analysis and Control	4	0		4
		Non-Technical Elective IV	2	0		3
	TOTAL SEMESTER ECTS					32
4. YEAR FALL SEMESTER	ES411	Occupational Health and Safety I	2	0		3
	MSE400	Summer Practice II	0	2		5
	ENG4XX	Interdisciplinary Technical Elective Courses	0	2		6
	ME4XX	Departmental Elective (2 courses will be selected from ME4XX elective c.)				12
		TOTAL SEMESTER ECTS				
4. YEAR SPRING SEMESTER	ES412	Occupational Health and Safety II	2	0		3
	ME4DE2	Design Elective II				8
	ME4XX	Departmental Elective (3 courses will be selected from ME4XX elective c.)				18
		TOTAL SEMESTER ECTS				
	CUMULATIVE ECTS					242