

MECHATRONICS ENGINEERING DOUBLE MAJOR PROGRAM			
1. YEAR 1. SEMESTER			
Course Code	Course Name	ECTS	EXPLANATION
KHAS101	Origins and Consequences	5	<b>COMMON</b>
KHAS103	History of Humankind	5	<b>COMMON</b>
KHAS105	Universal Values and Ethics	5	<b>COMMON</b>
KHAS107	Design	5	<b>COMMON</b> (KHAS107 is not a compulsory course in the Law Department. Students of the Law Department must take KHAS107 in the Mechatronics Engineering Double Major Program)
KHAS109	Computational Thinking	5	<b>COMMON</b> (KHAS109 is not a compulsory course in the Theatre Department. Students of the Theatre Department must take KHAS109 in the Mechatronics Engineering Double Major Program)
TLL101 / TLL103	Critical Reading and Writing in Turkish I / Speaking, Reading and Writing in Turkish for International Students I	3	<b>COMMON</b>
1. YEAR 2. SEMESTER			
Course Code	Course Name	ECTS	EXPLANATION
<b>Core Elective Course of 10 ECTS in total</b>		10	Core Electives taken from the Major Program and passed successfully can be transferred as Core Electives in the Mechatronics Engineering Double Major Program. However, if the courses to be transferred as Core Elective courses to the Mechatronics Engineering Double Major Program are not 10 ECTS in total, must be completed.
KHAS102	Scientific Discoveries and Engineering	5	<b>KHAS102</b> is not a common course in the Law, Psychology, Economics, International Relations, Business, Management Information Systems, International Trade and Finance, Visual Communication Design, Public Relations and Information, Radio, Television and Cinema, Advertising, New Media, Industrial Design, Interior Architecture and and Environmental Design, Theatre, Computer Engineering, Industrial Engineering Departments students must take KHAS102 in the Mechatronics Engineering Double Major Program. KHAS102 is a <b>COMMON</b> course with Electrical-Electronics Engineering, Molecular Biology and Genetics Departments.
KHAS112	Thinking Mathematically	6	<b>KHAS112</b> is not a common course in the Law, Psychology, Visual Communication Design, Public Relations and Information, Radio, Television and Cinema, Advertising, New Media, Industrial Design, Interior Architecture and and Environmental Design, Theatre Departments. Students of the Law, Psychology, Visual Communication Design, Public Relations and Information, Radio, Television and Cinema, Advertising, New Media, Industrial Design, Interior Architecture and and Environmental Design, Theatre Departments students must take KHAS112 in the Mechatronics Engineering Double Major Program. KHAS112 is a <b>COMMON</b> course with Architecture Political Science and Public Administration, Economics, International Relations, Business, Management Information Systems, Computer Engineering, Electrical-Electronics Engineering, Industrial Engineering, Civil Engineering, Molecular Biology and Genetics Departments.
KHAS110 / KHAS120	Civic Responsibility Project / Civic Responsibility Project for International Students	2	<b>COMMON</b>
TLL102 / TLL104	Critical Reading and Writing in Turkish II / Speaking, Reading and Writing in Turkish for International Students II	3	<b>COMMON</b>
MTE192	Robotics Start-Up Project	6	<b>COMMON</b> for Electrical-Electronics Engineering
2. YEAR 3. SEMESTER			
Course Code	Course Name	ECTS	EXPLANATION
HST101	History of Modern Turkey I	2	<b>COMMON</b>
FENS201	Applied Engineering Mathematics I	6	<b>COMMON</b> for Civil Engineering, Electrical-Electronics Engineering
FENS203	Materials	4	<b>COMMON</b> for Electrical-Electronics Engineering
MTE211	Technical Drawing	4	
MTE291	Computer Game Design Project	6	
MTE293	Logic Design Project	8	<b>COMMON</b> for Electrical-Electronics Engineering
2. YEAR 4. SEMESTER			
Course Code	Course Name	ECTS	EXPLANATION
HST102	History of Modern Turkey II	2	<b>COMMON</b>
FENS202	Applied Engineering Mathematics II	6	<b>COMMON</b> for Civil Engineering, Electrical-Electronics Engineering
CIV102	Equilibrium of Physical Systems	6	<b>COMMON</b> for Civil Engineering
MTE294	Mechanical System Simulation Project	10	

MTE299	Internship I	6	
<b>3. YEAR 5. SEMESTER</b>			
Course Code	Course Name	ECTS	EXPLANATION
FENS300	Numerical Methods	5	<i>COMMON for Civil Engineering, Electrical-Electronics Engineering</i>
CIV263	Dynamics of Physical Systems	4	<i>COMMON for Civil Engineering</i>
EEE307	Signals and Systems	5	<i>COMMON for Electrical-Electronics Engineering</i>
MTE391	Software Design Project I	6	
MTE393	Embedded Design Project	8	
<b>3. YEAR 6. SEMESTER</b>			
Course Code	Course Name	ECTS	EXPLANATION
FENS200	Probability and Statistics	4	<i>COMMON for Civil Engineering, Electrical-Electronics Engineering</i>
FENS310	Economics for Engineers	4	<i>COMMON for Civil Engineering</i>
MTE312	Machine Elements	5	
MTE392	Software Design Project II	6	
MTE394	System Dynamics and Control Project	7	
MTE399	Internship II	6	
<b>4. YEAR 7. SEMESTER</b>			
Course Code	Course Name	ECTS	EXPLANATION
FENS401	Engineering Design Project I	6	<i>COMMON for Civil Engineering, Electrical-Electronics Engineering</i>
MTE491	Robot Design Project	10	
<b>4. YEAR 8. SEMESTER</b>			
Course Code	Course Name	ECTS	EXPLANATION
FENS400	Engineering Design Project II	10	<i>COMMON for Civil Engineering, Electrical-Electronics Engineering</i>
<b>MECHATRONICS ENGINEERING DOUBLE MAJOR PROGRAM FIELD AND FREE ELECTIVE COURSES</b>			
<b>MTE Field Elective Course of 12 ECTS in total</b>		<b>12</b>	<i>Free Elective courses taken from the Major Program and successfully completed, the MTE coded and non-compulsory courses in the Department of Mechatronics Engineering can be transferred as the Field Elective of the Department of Mechatronics Engineering. However, if the courses to be transferred to the Mechatronics Engineering Double Major Program are not 12 ECTS in total, must be completed.</i>
<b>Free Elective Course of 6 ECTS in total</b>		<b>6</b>	<i>Field Elective courses (non-MTE coded courses and Field Elective and Non-Compulsory Courses in the Department of Mechatronics Engineering taken from the Major Program and passed successfully can be transferred as Free Elective courses in the Department of Mechatronics Engineering. However, if the free elective courses to be transferred to the Mechatronics Engineering Double Major Program are not 6 ECTS in total, must be completed.</i>
<b>Elective Project of 16 ECTS in total</b>		<b>16</b>	<i>In the Mechatronics Engineering Double Major Program, a total of 16 ECTS elective project courses must be taken.</i>
<b>GRAND TOTAL: 240 ECTS</b>			