

**YILDIRIM BEYAZIT UNIVERSITY - FACULTY OF ENGINEERING AND NATURAL SCIENCES - DEPARTMENT OF  
MECHANICAL ENGINEERING / UNDERGRADUATE EDUCATION PROGRAM**

**FALL**

Course Code	Course Title	T	L/A	ECTS		
MATH 101	Calculus I	4	0	6		
PHYS 101	Physics I	3	2	6		
CHEM 101	General Chemistry	3	0	5		
MCE 101	Introduction to Mechanical Engineering	2	0	3		
MCE 103	Computer Aided Technical Drawing I	2	2	5		
ENG 101	Academic English I	3	0	4		
TDL 101	Türk Dili I	2	0	1		
<b>Total</b>				<b>19</b>	<b>4</b>	<b>30</b>

**SPRING**

**FIRST YEAR**

Course Code	Course Title	T	L/A	ECTS		
MATH 102	Calculus II	4	0	6		
PHYS 102	Physics II	3	2	6		
MCE 102	Statics	4	0	6		
MCE 104	Computer Aided Technical Drawing II	1	2	3		
MCE 106	Computer Programming	2	2	4		
ENG 102	Academic English II	3	0	4		
TDL 102	Türk Dili II	2	0	1		
<b>Total</b>				<b>19</b>	<b>6</b>	<b>30</b>
<b>Year Total</b>				<b>38</b>	<b>10</b>	<b>60</b>
<b>Cumulative Total</b>				<b>38</b>	<b>10</b>	<b>60</b>

**SECOND YEAR**

Course Code	Course Title	T	L/A	ECTS		
ENGR 201	Engineering Mathematics I	4	0	6		
MCE 201	Material Science	2	1	4		
MCE 203	Thermodynamics I	3	0	6		
MCE 205	Strength of Materials	3	2	6		
MCE 207	Principals of Electrical and Electronic Engineering	2	0	4		
ENGR 203	Technical English	2	0	3		
TIT 101	Türk İnkılap Tarihi I	2	0	1		
<b>Total</b>				<b>18</b>	<b>3</b>	<b>30</b>

Course Code	Course Title	T	L/A	ECTS		
ENGR 202	Engineering Mathematics II	4	0	6		
MCE 202	Engineering Materials	2	0	3		
MCE 204	Thermodynamics II	3	0	6		
MCE 206	Dynamics	3	1	5		
MCE 208	Manufacturing Technologies	4	0	6		
TIT 102	Türk İnkılap Tarihi II	2	0	1		
	University Elective (UE1)	2	0	3		
<b>Total</b>				<b>20</b>	<b>1</b>	<b>30</b>
<b>Year Total</b>				<b>38</b>	<b>4</b>	<b>60</b>
<b>Cumulative Total</b>				<b>76</b>	<b>14</b>	<b>120</b>

**THIRD YEAR**

Course Code	Course Title	T	L/A	ECTS		
MCE 301	Fluids Mechanics	3	2	5		
MCE 303	Mechanisms	2	0	4		
MCE 305	Machine Elements I	3	1	5		
MCE 307	Heat Transfer	4	0	5		
MCE 309	System Dynamics and Control	3	0	5		
MCE 311	Engineering Economy	2	0	2		
	Summer Practice			4		
<b>Total</b>				<b>17</b>	<b>3</b>	<b>30</b>

Course Code	Course Title	T	L/A	ECTS		
MCE 302	Measurement and Data Evaluation	2	0	5		
MCE 304	Dynamics of Machinery	3	0	5		
MCE 306	Machine Elements II	2	2	5		
MCE 314	Numerical Methods For Engineers	3	0	5		
MCE 308 MCE 310	Computer Aided Design of Mechanical Systems Thermal System Design (Elective)	3	0	5		
MCE 312-316	Internal Combustion Engines-Vehicles (Elective)	3	0	5		
<b>Total</b>				<b>16</b>	<b>2</b>	<b>30</b>
<b>Year Total</b>				<b>33</b>	<b>5</b>	<b>60</b>
<b>Cumulative Total</b>				<b>109</b>	<b>19</b>	<b>180</b>

**FOURTH YEAR**

Course Code	Course Title	T	L/A	ECTS		
MCE 401	Graduation Project I	2	1	5		
MCE 403	Machinery Laboratory	1	1	5		
	Department Elective (DE1)	3	0	5		
	Department Elective (DE2)	3	0	5		
	University Elective (UE2)	2	0	3		
	Faculty Elective (FE)	2	0	2		
	Summer Practice			5		
<b>Min Total</b>				<b>13</b>	<b>2</b>	<b>30</b>

Course Code	Course Title	T	L/A	ECTS		
MCE 402	Graduation Project II	0	3	5		
	Department Elective (DE3)	3	0	5		
	Department Elective (DE4)	3	0	5		
	Department Elective (DE5)	3	0	5		
	Department Elective (DE6)	3	0	5		
	Department Elective (DE7)	3	0	5		
<b>Min Total</b>				<b>15</b>	<b>3</b>	<b>30</b>
<b>Min Year Total</b>				<b>28</b>	<b>5</b>	<b>60</b>
<b>Min. Cumulative Total</b>				<b>137</b>	<b>24</b>	<b>240</b>

