



**FACULTY OF ENGINEERING AND NATURAL SCIENCES**  
**INDUSTRIAL ENGINEERING DEPARTMENT**

I. Semester										II. Semester									
Course Code	Course Title	T	P	Cr.	ECTS	Type	Prereq.	Course Code	Course Title	T	P	Cr.	ECTS	Type	Prereq.				
140011001	Calculus I	4	0	4	6	Z		140012002	Calculus II	4	0	4	6	Z					
140011009	Programming I	1	4	3	3	Z		140012102	Programming II	1	4	3	3	Z					
140011005	Physics I	3	2	4	5	Z		140012106	Physics II	3	2	4	5	Z					
140011007	Chemistry	2	2	3	5	Z		140012108	Discrete Mathematics	3	0	3	5	Z					
140011011	Introduction to Engineering and Ethics	2	0	2	3	Z		140012101	Linear Algebra	2	0	2	5	Z					
501011015	Türk Dili	4	0	4	4	Z		501011012	Almanca II	2	0	2	2	Z					
501011005	Kariyer Planlama	1	0	1	2	Z		501011002	Atatürk İlkeleri ve İnkılap Tarihi	4	0	4	4	Z					
501011011	Almanca I	2	0	2	2	Z													
<b>TOTAL</b>							<b>23</b>	<b>30</b>	<b>TOTAL</b>							<b>22</b>	<b>30</b>		
III. Semester										IV. Semester									
Course Code	Course Title	T	P	Cr.	ECTS	Type	Prereq.	Course Code	Course Title	T	P	Cr.	ECTS	Type	Prereq.				
1400211013	Probability and Statistics	3	0	3	6	Z		140022102	Occupational Safety and Health	2	0	2	2	Z					
1400211015	Differential Equations	3	0	3	6	Z		140022104	Applied Statistics	3	0	3	5	Z					
1411211001	Principles of Economics	2	0	2	3	Z		140022103	Numerical Methods	2	2	3	7	Z					
1411211009	Manufacturing Processes and Analysis	2	2	3	5	Z		140022102	Entrepreneurship	2	0	2	3	Z					
1411211017	System Analysis and Design	3	0	3	6	Z		1411221022	Summer Training I (Manufacturing and Service Systems)	0	0	0	3	Z					
1411211019	Accounting for Engineers	3	0	3	4	Z		1411221006	Operations Research I	3	0	3	5	Z					
								1411221008	Work Study and Ergonomics	2	2	3	5	Z					
<b>TOTAL</b>							<b>17</b>	<b>30</b>	<b>TOTAL</b>							<b>16</b>	<b>30</b>		
V. Semester										VI. Semester									
Course Code	Course Title	T	P	Cr.	ECTS	Type	Prereq.	Course Code	Course Title	T	P	Cr.	ECTS	Type	Prereq.				
1411311013	Systems Simulation	3	0	3	6	Z		1411321002	Summer Training II (Management and Informatics)	0	0	0	3	Z					
1411311003	Operations Research II	3	0	3	6	Z		1411321004	Production Planning and Control	2	2	3	6	Z					
1411311011	Financial Management	3	0	3	5	Z		1411321012	Management and Organization	3	0	3	3	Z					
	Departmental Elective				3	S			Departmental Elective				3	S					
	Departmental Elective				3	S			Departmental Elective				3	S					
	University Elective				3	S			Departmental Elective				3	S					
									University Elective				3	S					
<b>TOTAL</b>							<b>18</b>	<b>30</b>	<b>TOTAL</b>							<b>18</b>	<b>30</b>		
VII. Semester										VIII. Semester									
Course Code	Course Title	T	P	Cr.	ECTS	Type	Prereq.	Course Code	Course Title	T	P	Cr.	ECTS	Type	Prereq.				
140041001	Interdisciplinary Design Studies	2	0	2	6	Z		1411421008	Graduation Project II	0	6	3	8	Z					
1411411007	Supply Chain Management and Logistics	3	0	3	5	Z		1411421010	Quality Systems and Management	3	0	3	4	Z					
1411411009	Graduation Project I	0	6	3	8	Z			Departmental Elective				3	S					
	Departmental Elective				3	S			Departmental Elective				3	S					
	University Elective				3	S			Departmental Elective				3	S					
	University Elective				3	S			University Elective				3	S					
<b>TOTAL</b>							<b>17</b>	<b>30</b>	<b>TOTAL</b>							<b>18</b>	<b>30</b>		
<b>Total Credit/Hours</b>				<b>149</b>															
<b>Total ECTS</b>				<b>240</b>															

DEPARTMENTAL ELECTIVES						
Course Code	Course Title	T	P	Cr.	ECTS	Elective
<b>Departmental Electives</b>						
1411002001	Human Resources Management	3	0	3	5	S
1411002002	Wage Systems	3	0	3	5	S
1411002003	Behavioral Sciences	3	0	3	5	S
1411002004	Six Sigma and Process Management	3	0	3	5	S
1411002005	Risk Analysis and Management	3	0	3	5	S
1411002006	Strategic Management and Sustainability	3	0	3	5	S
1411002007	Decision Making and Decision Support Tools	3	0	3	5	S
1411002008	Heuristic Optimization	3	0	3	5	S
1411002009	Management Information Systems	3	0	3	5	S
1411002010	Integrated Manufacturing Systems	3	0	3	5	S
1411002011	Cellular Manufacturing Systems	3	0	3	5	S
1411002012	Lean Manufacturing	3	0	3	5	S
1411002013	Warehouse Management	3	0	3	5	S
1411002014	Material Handling Systems	3	0	3	5	S
1411002015	Inventory Management	3	0	3	5	S
1411002016	Enterprise Resources Planning	3	0	3	5	S
1411002017	Artificial Intelligence Applications in Industrial	3	0	3	5	S
1411002018	Cost Accounting	3	0	3	5	S
1411002019	Money Theory and Policy	3	0	3	5	S
1411002020	Small and Medium Enterprises Management	3	0	3	5	S
1411002021	Neuromarketing	3	0	3	5	S
1411002022	Global Marketing	3	0	3	5	S
1411002023	Digital Marketing	3	0	3	5	S
1411002024	Fundamentals of Marketing	3	0	3	5	S
1411002025	Operations Research III	3	0	3	5	S
1411002026	Project Management	3	0	3	5	S
1411002027	Facility Design and Planning	3	0	3	5	S
1411002028	Business Law in Engineering	3	0	3	5	S
1411002029	Optimization Methods and Tools	3	0	3	5	S
1411002030	Renewable Energy Technologies	3	0	3	5	S
1411002031	Energy Storage Systems	3	0	3	5	S
1411002032	Materials and Material Technologies in Industry	3	0	3	5	S
1411002033	Scheduling	3	0	3	5	S
1411002034	Stochastic Modeling	3	0	3	5	S
1411002035	Operations Management	3	0	3	5	S
1411002036	Brand Management	3	0	3	5	S
1411002037	Business Development	3	0	3	5	S
1411002038	Corporate Finance	3	0	3	5	S
1411002039	Business Finance	3	0	3	5	S
1411002040	Financial Accounting	3	0	3	5	S
1411002041	Financial Markets and Institutions	3	0	3	5	S
1411002042	Customer Relationship Management	3	0	3	5	S

Not: Üniversite seçmeli ders havuzu doğaldır.