INDUSTRIAL ENGINEERING DOUBLE MAJOR PROGRAM			
1. YEAR 1. SEMESTER			
Course Code	**Course Name**	**ECTS**	**EXPLANATION**
KHAS101	Origins and Consequences	5	*COMMON*
KHAS103	History of Humankind	5	*COMMON*
KHAS105	Universal Values and Ethics	5	*COMMON*
KHAS107	Design	5	*COMMON (KHAS107 is not a compulsory course in the Law Department. Students of the Law Department must take KHAS107 in the Industrial Engineering Double Major Program)*
KHAS109	Computational Thinking	5	*COMMON (KHAS109 is not a compulsory course in the Theatre Department. Students of the Theatre Department must take KHAS109 in the Industrial Engineering Double Major Program)*
TLL101 / TLL103	Critical Reading and Writing in Turkish I / Speaking, Reading and Writing in Turkish for International Students I	3	*COMMON*
1. YEAR 2. SEMESTER			
Course Code	**Course Name**	**ECTS**	**EXPLANATION**
Core Elective Course of 15 ECTS in total		15	*Core Electives taken from the Major Program and passed successfully can be transferred as Core Electives in the Industrial Engineering Double Major Program. However, if the courses to be transferred as Core Elective courses to the Industrial Engineering Double Major Program are not 15 ECTS in total, must be completed.*
KHAS112	Thinking Mathematically	6	*KHAS112 is not a common course in the Law, Psychology, Visual Communication Design, Public Relations and Information, Radio, Television and Cinema, Advertising, New Media, Industial 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, Industial Design, Interior Architecture and and Environmental Design, Theatre Departments students must take KHAS112 in the Industrial Engineering Double Major Program. KHAS112 is a COMMON course with Architecture Political Science and Public Administration, Economics, International Relations, Business, Management Information Systems, Computer Engineering, Electrical-Electronics Engineering, Civil Engineering, Mechatronics Engineering, Molecular Biology and Genetics Departments.*
KHAS110 / KHAS120	Civic Responsibility Project / Civic Responsibility Project for International Students	2	*COMMON*
TLL102 / TLL104	Critical Reading and Writing in Turkish II / Speaking, Reading and Writing in Turkish for International Students II	3	*COMMON*
INE102	Principles of Industrial Engineering	6	
2. YEAR 3. SEMESTER			
Course Code	**Course Name**	**ECTS**	**EXPLANATION**
HST101	History of Modern Turkey I	2	*COMMON*
CME140	Computer Programming I	6	*COMMON for Computer Engineering*
GE204	Probability and Statistics for Engineers	5	*COMMON for Computer Engineering*
MA211	Engineering Mathematics I	6	*COMMON for Computer Engineering*
2. YEAR 4. SEMESTER			
Course Code	**Course Name**	**ECTS**	**EXPLANATION**
HST102	History of Modern Turkey II	2	*COMMON*
INE214	Programming Tools for Industrial Eng.	5	
INE241	Manufacturing Processes	5	
MA212	Engineering Mathematics II	6	*COMMON for Computer Engineering*
MDBF299	Internship I	6	
3. YEAR 5. SEMESTER			
Course Code	**Course Name**	**ECTS**	**EXPLANATION**
ECON309	Economics for Engineers	4	
INE311	Operations Research I	6	
INE313	Statistical Decision Making	6	
3. YEAR 6. SEMESTER			
Course Code	**Course Name**	**ECTS**	**EXPLANATION**
INE312	Operations Research II	6	
INE324	Data Analytics in Industrial Systems	3	

INE332	Systems Simulation	6	
MA304	Numerical Methods	6	***COMMON*** *for Computer Engineering*
MDBF399	Internship II	6	

4. YEAR 7. SEMESTER			
Course Code	**Course Name**	**ECTS**	**EXPLANATION**
GE401	Engineering Problem Solving and Project Management	6	***COMMON*** *for Computer Engineering*
INE401	Production Planning and Control	8	

4. YEAR 8. SEMESTER			
Course Code	**Course Name**	**ECTS**	**EXPLANATION**
GE400	Engineering Design Project	10	***COMMON*** *for Computer Engineering*
INDUSTRIAL ENGINEERING DOUBLE MAJOR PROGRAM FIELD AND FREE ELECTIVE COURSES			
INE / BUS / ECON / IT / ITF / LW / MIS Field Elective Course of 46 ECTS in total		46	*Free Elective courses taken from the Major Program and successfully completed, the INE / BUS / ECON / IT / ITF / LW / MIS coded and non-compulsory courses in the Department of Industrial Engineering can be transferred as the Field Elective of the Department of Industrial Engineering. However, if the courses to be transferred to the Industrial Engineering Double Major Program are not 46 ECTS in total, must be completed.*
Free Elective Course of 24 ECTS in total		24	*Field Elective courses (non-INE coded courses and Field Elective and Non-Compulsory Courses in the Department of Industrial Engineering taken from the Major Program and passed successfully can be transferred as Free Elective courses in the Department of Industrial Engineering. However, if the free elective courses to be transferred to the Industrial Engineering Double Major Program are not 24 ECTS in total, must be completed.*
			GRAND TOTAL: 240 ECTS