

**ECTS EQUIVALENTS TABLE  
 (EUROPEAN CREDIT TRANSFER AND ACCUMULATION SYSTEM)  
 ACADEMIC SEMESTER 2017-I  
 INDUSTRIAL ENGINEERING**

SAP CODE	TERM / COURSE	CREDITS	TH	PH	LH	TH	ECTS
<b>I</b>							
09000201020	Spanish	2	1	2	0	3	2,72
09000301030	Philosophy	3	3	0	0	3	4,08
09000501010	Activities I	1	0	2	0	2	1,36
09066201020	Introduction to Engineering	2	1	2	0	3	2,72
09066301041	Analytic Geometry	4	3	2	0	5	5,44
09066801051	Discrete Math	5	4	2	0	6	6,8
09070901030	National Reality	3	3	0	0	3	4,08
09071001020	Study Methods	2	1	2	0	3	2,72
TR000101010	English I	1	-	-	-	-	1,36
		<b>23</b>					<b>31,28</b>
<b>II</b>							
09002002010	Activities II	1	0	2	0	2	1,36
	Introduction To						
09111402050	Programming	5	3	1	3	7	6,80
09127402030	Introduction to Economy	3	2	2	0	4	4,08
09036602051	Linear Algebra	5	4	2	0	6	6,80
09065502052	Calculus I	5	4	2	0	6	6,80
	Drawing and Graphical						
09066102030	Design	3	2	2	0	4	4,08
TR000202010	English II	1	-	-	-	-	1,36
		<b>23</b>					<b>31,28</b>
<b>III</b>							
	Algorithm and Data						
09005303050	Structures I	5	3	1	3	7	6,80
09005403040	Statistics and Probabilities I	4	3	2	0	5	5,44
09005603052	Physics I	5	3	2	2	7	6,80
	Industrial Design by						
09017703030	Computer	3	1	0	4	5	4,08
09065603051	Calculus II	5	4	2	0	6	6,80
		<b>22</b>					<b>29,92</b>

<b>IV</b>							
09006004041	Statistics and Probabilities II	4	3	2	0	5	5,44
09007204050	Industrial Chemistry	5	3	2	2	7	6,80
09007404051	Physics II	5	3	2	2	7	6,80
09007704040	Microeconomics	4	3	2	0	5	5,44
09041204041	Differential Equations	4	3	2	0	5	5,44
		<b>22</b>					<b>29,92</b>
<b>V</b>							
09008605040	Materials Engineering	4	3	0	2	5	5,44
09008705050	Applied Mechanics	5	4	0	2	6	6,80
09009005040	Administrative Engineering	4	3	2	0	5	5,44
09012205042	General Accounting	4	3	2	0	5	5,44
09114205050	Electrical and Electronic Engineering	5	3	2	2	7	6,80
		<b>22</b>					<b>29,92</b>
<b>VI</b>							
09008506040	Operations Research I	4	3	2	0	5	5,44
09011806040	Methods Engineering I	4	3	2	0	5	5,44
09013106040	Costs Engineering	4	3	2	0	5	5,44
09013606050	Process Engineering	5	3	2	2	7	6,80
09128006050	Strength of Materials I	5	4	0	2	6	6,80
		<b>22</b>					<b>29,92</b>
<b>VII</b>							
09114307020	Industrial Instrumentation and control	2	0	4	0	4	2,72
09011607040	Operations Research II	4	3	2	0	5	5,44
09013207040	Methods Engineering II	4	3	2	0	5	5,44
09013407040	Marketing	4	3	2	0	5	5,44
09014007040	Process Manufacturing	4	1	3	3	7	5,44
09014507041	Financial Management	4	3	2	0	5	5,44
		<b>22</b>					<b>29,92</b>

<b>SAP CODE</b>	<b>TERM / COURSE</b>	<b>CREDITS</b>	<b>TH</b>	<b>PH</b>	<b>LH</b>	<b>TH</b>	<b>ECTS</b>
<b>VIII</b>							
09014108040	Operations Planning and Control I	4	3	2	0	5	5,44
09112708040	Planning and Balance Score Card Formulation and Evaluation of	4	2	4	0	6	5,44
09054808040	Industrial Projects	4	3	2	0	5	5,44
09016408040	Quality Control	4	2	1	3	6	5,44
09017008040	Industrial Automation	4	1	3	3	7	5,44
09068208020	Modern Manufacturing Workshop	2	0	0	4	4	2,72
		<b>22</b>					<b>29,92</b>
<b>IX</b>							
090849E1030	Total Quality Management TQM	4	2	2	2	6	5,44
09015609040	Planning and Control of Production II	4	2	2	2	6	5,44
09016509040	Design of Production Systems Industrial and Organizational	4	3	2	0	5	5,44
09068309020	Psychology Final Project of Industrial Engineering	2	1	2	0	3	2,72
09069009040	I Electives	4	2	2	2	6	5,44
		<b>4</b>					<b>5,44</b>
		<b>22</b>					<b>29,92</b>

		<b>X</b>					
09068110040	Management of Personnel and Labor Legislation	4	3	2	0	5	5,44
09114410040	Maintenance, Security and occupational health	4	2	2	2	6	5,44
09069110040	Final Project of Industrial Engineering II	4	2	2	2	6	5,44
09003410020	Ethics and Moral	2	1	2	0	3	2,72
	Electives	2					2,72
	Electives	3					4,08
	Electives	3					4,08
		<b>22</b>					<b>29,92</b>
<b>TOTAL ECTS</b>							<b>301,92</b>

		<b>ELECTIVES</b>	<b>CREDITS</b>	<b>TH</b>	<b>PH</b>	<b>LH</b>	<b>TH</b>	<b>ECTS</b>
090732E1030	Conflict and Negotiations	3	2	2	0	4		4,08
090850E1030	Supply Chain Management	3	2	2	0	4		4,08
090852E1030	Project Management – PMI Techniques and Tools for Industrial	3	2	2	0	4		4,08
090851E1030	Monitoring and Supervision HMI	3	2	2	0	4		4,08
090685E1040	Advanced Cost Engineering	4	3	2	0	5		5,44
090201E1040	Product Planning, Development and Engineering	4	2	4	0	6		5,44
090863E1020	Innovation Management	2	1	2	0	3		2,72
091350E1030	ERP Systems *	3	1	4	0	5		4,08

**(\*) Courses that will not be taught in the 2017-I cycle**

**Credit factor to ECTS: 1.36**