

2010-2011 CURRICULUM

				ECTS			
First Semester							
PHYS 111	General Physics for Engineering I	3	2	4	6		
MSC 155	Calculus for Engineering I	3	2	4	5		
ENG 105	Academic English I	0	6	3	5		
TURK 101	Turkish I	2	0	2	3		
ESR 101	Etics and Social Responsibility	1	0	1	1		
IE 101	Industrial Engineering Orientation	2	0	2	4		
IE 111	Computer Aided Engineering Drawing	2	2	3	6		
				13	12	19	30

Second Semester							
PHYS 112	General Physics for Engineering II	3	2	4	6		
MSC 156	Calculus for Engineering II	3	2	4	5		
ENG 106	Academic English II	0	6	3	5		
TURK 102	Turkish II	2	0	2	3		
CENG 198	Introduction to Computer Programming	2	2	3	5		
IE 114	Materials Science and General Chemistry	3	2	4	6		
				13	14	20	30

Third Semester							
MSC 205	Basic Linear Algebra	3	0	3	4		
HIST 201	Principles of Kemal Atatürk I	2	0	2	3		
ENG 205	English for Specific Purposes I	0	4	2	4		
ECON 213	Principles of Economics	4	0	4	4		
IE 227	Introduction to Probability	3	2	4	5		
IE 243	Manufacturing Processes	2	2	3	5		
IE 211	Introduction to Eng. Thermodynamics	3	0	3	5		
				17	8	21	30

Fourth Semester							
IE 202	Work Study and Ergonomics	2	2	3	5		
HIST 202	Principles of Kemal Atatürk II	2	0	2	3		
IE 228	Engineering Statistics	2	2	3	6		
IE 232	Operations Research I - Modelling	3	2	4	6		
IE 240	Cost Analysis in Engineering	2	2	3	6		
ENG 206	English for Specific Purposes II	0	4	2	4		
				11	12	17	30

IE 200	Summer Training I	0	0	0	7
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Fifth Semester							
IE 311	Computer Applications in IE	2	2	3	4		
IE 361	Production Planning I	2	2	3	6		
IE 341	Engineering Economic Analysis	2	2	3	5		
IE 327	System Simulation	2	2	3	6		
IE 333	Operations Research II - Deterministic Problems	3	2	4	6		
ENG 305	Advanced Academic English I	0	2	1	3		
				11	12	17	30

Sixth Semester							
IE 302	Facilities Design and Location	2	2	3	6		
IE 362	Production Planning II	2	2	3	6		
IE 364	Production Information Systems	2	2	3	5		
IE 334	Operations Research III - Stochastic Problems	3	2	4	6		
ENG 306	Advanced Academic English II	0	2	1	3		
ELEC 1	Restricted Non-Departmental Elective	3	0	3	4		
				12	10	17	30

IE 300	Summer Training II	0	0	0	8
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Seventh Semester							
IE 427	Quality Engineering	2	2	3	5		
MAN 102	Introduction to Management	3	0	3	4		
IE 407	Systems' Analysis	1	4	3	7		
IE 499	Seminar in IE Practise	0	2	1	1		
ENG 405	Report Writing	0	2	1	3		
ELEC 2	IE Elective	3	0	3	5		
ELEC 3	IE Elective	3	0	3	5		
				12	10	17	30

Eighth Semester							
IE 408	Systems' Design and Implementation	2	4	4	10		
IE 464	Law for Engineers	3	0	3	4		
ENG 406	Advanced Communication Skills	0	2	1	3		
ELEC 4	Free Elective	3	0	3	3		
ELEC 5	IE Elective	3	0	3	5		
ELEC 6	Man/Econ Elective	3	0	3	5		
				14	6	17	30

TOTAL CREDIT

103 84 145 240

2012 - 2013 CURRICULUM

				ECTS			
First Semester							
PHYS 111	General Physics for Engineering I	3	2	4	6		
MSC 155	Calculus for Engineering I	3	2	4	5		
ACS 205	Academic Communication Skills III	0	4	2	4		
TURK 101	Turkish I	2	0	2	3		
HIST 201	Principles of Kemal Atatürk I	2	0	2	3		
IE 101	Industrial Engineering Orientation	2	0	2	3		
ME 115	Fundamentals of Computer Aided Engineering Drawing	2	2	3	6		
				14	10	19	30

Second Semester							
PHYS 112	General Physics for Engineering II	3	2	4	6		
MSC 156	Calculus for Engineering II	3	2	4	5		
ACS 206	Academic Communication Skills IV	0	4	2	4		
TURK 102	Turkish II	2	0	2	3		
HIST 202	Principles of Kemal Atatürk II	2	0	2	3		
MSE 125	Materials Science and General Chemistry	3	2	4	5		
ECON 213	Principles of Economics	4	0	4	4		
				17	10	22	30

Third Semester							
MSC 205	Basic Linear Algebra	3	0	3	4		
CENG 198	Introduction to Computer Programming	2	2	3	5		
ELEC 4	Free Elective	3	0	3	3		
RPW 305	Research Paper Writing I	0	2	1	3		
IE 227	Introduction to Probability	3	2	4	5		
ME 243	Fundamentals of Manufacturing Processes	2	2	3	5		
ME 213	Introduction to Engineering Thermodynamics	3	0	3	5		
				16	8	20	30

Fourth Semester							
IE 202	Work Study and Ergonomics	3	2	4	5		
RPW 306	Research Paper Writing II	0	2	1	3		
IE 228	Engineering Statistics	2	2	3	6		
IE 232	Operations Research I - Modeling	3	2	4	6		
IE 240	Cost Analysis in Engineering	2	2	3	6		
IE 311	Computer Applications in IE	2	2	3	4		
				12	12	18	30

Fifth Semester							
ESR 101	Etics and Social Responsibility	1	0	1	1		
IE 365	Manufacturing and Service Systems Planning I	3	2	4	6		
IE 341	Engineering Economic Analysis	2	2	3	5		
IE 327	System Simulation	3	2	4	7		
IE 333	Operations Research II - Deterministic Problems	3	2	4	6		
IE 200	Summer Training I	0	0	0	5		
				12	8	16	30

Sixth Semester							
IE 302	Facilities Design and Location	2	2	3	6		
IE 366	Manufacturing and Service Systems Planning II	3	2	4	6		
IE 364	Production Information Systems	2	2	3	5		
IE 334	Operations Research III - Stochastic Problems	3	2	4	6		
RTW 405	Report Writing	0	2	1	3		
ELEC 1	Restricted Non-Departmental Elective	3	0	3	4		
				13	10	18	30

Seventh Semester							
IE 427	Quality Engineering	2	2	3	5		
MAN 433	Fundamentals of SME Management	3	0	3	4		
IE 407	Systems' Analysis	1	4	3	6		
IE 300	Summer Training II	0	0	0	5		
ELEC 2	IE Elective	3	0	3	5		
ELEC 3	IE Elective	3	0	3	5		
				12	6	15	30

Eighth Semester							
IE 408	Systems' Design and Implementation	2	4	4	8		
IE 464	Law for Engineers	3	0	3	4		
PCS 406	Professional Communication Skills	0	2	1	3		
PSY 435	Industrial Psychology & Organizational Behavior	3	0	3	4		
ELEC 5	IE Elective	3	0	3	5		
ELEC 6	Man/Econ Elective	3	0	3	5		
IE 499	Seminar in IE Practice	0	2	1	1		
				14	8	18	30

TOTAL CREDIT

110 72 146 240