

2012-2013 CURRICULUM (Rev.00)

First Semester		ECTS			
PHYS 111	General Physics for Engineering I	3	2	4	6
MSC 155	Calculus for Engineering I	3	2	4	5
ENG 205	English for Specific Purposes I	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		ECTS			
PHYS 112	General Physics for Engineering II	3	2	4	6
MSC 156	Calculus for Engineering II	3	2	4	5
ENG 206	English for Specific Purposes II	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		ECTS			
MSC 205	Basic Linear Algebra	3	0	3	4
CENG 198	Introduction to Computer Programming	0	2	3	5
ELEC 4	Free Elective	3	0	3	3
ENG 305	Advanced Academic English 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		ECTS			
IE 202	Work Study and Ergonomics	3	2	4	5
ENG 306	Advanced Academic English 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		ECTS			
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		ECTS			
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
ENG 405	Report Writing	0	2	1	3
ELEC 1	Restricted Non-Departmental Elective	3	0	3	4
		13	10	18	30

Seventh Semester		ECTS			
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		ECTS			
IE 408	Systems' Design and Implementation	2	4	4	8
IE 464	Law for Engineers	3	0	3	4
ENG 406	Advanced 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

2012-2013 CURRICULUM (Rev.01)

First Semester		ECTS			
PHYS 131	Physics I	3	2	4	6
MCS 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	History of Turkish Revolution 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		ECTS			
PHYS 132	Physics II	3	2	4	6
MCS 156	Calculus for Engineering II	3	2	4	5
ACS 206	Academic Communication Skills VI	0	4	2	4
TURK 102	Turkish II	2	0	2	3
HIST 202	History of Turkish Revolution 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		ECTS			
MCS 205	Basic Linear Algebra	3	0	3	4
CENG 198	Introduction to Computer Programming	0	2	3	5
RPW 305	Research Paper Writing	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
ELECTIVE	Free Elective	3	0	3	3
		16	8	20	30

Fourth Semester		ECTS			
IE 202	Work Study and Ergonomics	3	2	4	5
APS 308	Academic Presentation Skills	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		ECTS			
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		ECTS			
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
ELECTIVE	Restricted Non-Departmental Elective	3	0	3	4
		13	10	18	30

Seventh Semester		ECTS			
IE 427	Quality Engineering	2	2	3	5
IE 407	Systems' Analysis	1	4	3	6
IE 300	Summer Training II	0	0	0	5
ELECTIVE	Restricted Management Elective (MAN 433, MAN 102)	3	0	3	4
ELECTIVE	IE Elective 1	3	0	3	5
ELECTIVE	IE Elective 2	3	0	3	5
		12	6	15	30

Eighth Semester		ECTS			
IE 408	Systems' Design and Implementation	2	4	4	8
IE 499	Seminar in IE Practice	0	2	1	1
PCS 406	Professional Communication Skills	0	2	1	3
PSY 435	Industrial Psychology and Organizational Behavior	3	0	3	4
ELECTIVE	IE Elective 3	3	0	3	5
ELECTIVE	Man/Econ Elective	3	0	3	5
ELECTIVE	Law Elective (IE 464, MAN 323, MAN 429)	3	0	3	4
		14	8	18	30

TOTAL CREDIT: 110 72 146 240