

 OKAN UNIVERSITY	FACULTY OF ENGINEERING AND NATURAL SCIENCES DEPARTMENT OF INDUSTRIAL ENGINEERING INDUSTRIAL ENGINEERING PROGRAMME (IN ENGLISH) UNDERGRADUATE CURRICULUM						Document Code: FR.OGR.200
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Semester 1

Code	Course Title	T	A	C	ECTS	Status	Prerequisite
MATH113	Mathematics I	3	2	4	6	Compulsory	
IE103	Introduction to Industrial Engineering	2	0	2	3	Compulsory	
PHYS113	Physics I	2	2	3	5	Compulsory	
ATA111	History of Turkish Revolution I	2	0	2	2	Compulsory	
TRD111	Turkish I	2	0	2	2	Compulsory	
CHM103	Chemistry	2	2	3	5	Compulsory	
CLP001	Career and Life Planning	0	2	1	3		
	Foreign Language Elective	2	2	3	4	Elective	
Total Credit		20			30		

Semester 3

Code	Course Title	T	A	C	ECTS	Status	Prerequisite
MATH265	Probability and Statistics I	3	0	3	5	Compulsory	MATH13
ACCA253	Financial and Cost Accounting	3	0	3	7	Compulsory	
MATH215	Mathematics III	2	2	3	6	Compulsory	MATH13
BBA222	Entrepreneurship Applications	2	0	2	3	Compulsory	
	University Elective / Foreign Language Elective	3	0	3	4	Elective	
	Departmental Elective	3	0	3	5	Elective	
Total Credit		17			30		

Semester 5

Code	Course Title	T	A	C	ECTS	Status	Prerequisite
IE321	Operations Research I	3	0	3	7	Compulsory	
IE315	Quality Engineering	3	0	3	6	Compulsory	
IE305	Production Planning I	3	0	3	6	Compulsory	
IE311	Work Analysis and Design	3	0	3	6	Compulsory	
IE367	Occupational Health and Safety	3	0	3	5	Compulsory	
MATH220	Numerical Methods	2	2	3	4	Compulsory	MATH13
Total Credit		18			34		

Semester 7

Code	Course Title	T	A	C	ECTS	Status	Prerequisite
IE497	Industrial Engineering Design	0	2	1	4	Compulsory	
IE419	Facility Planning	3	0	3	6	Compulsory	
IE439	Computer Integrated Manufacturing	2	0	2	4	Compulsory	
	Departmental Elective	3	0	3	5	Elective	
	Departmental Elective	3	0	3	5	Elective	
IE413	Project Management	3	0	3	5	Compulsory	
Total Credit		15			29		

Semester 2

Code	Course Title	T	A	C	ECTS	Status	Prerequisite
MATH114	Mathematics II	3	2	4	6	Compulsory	MATH113
CMPE152	Computer Programming	2	2	3	5	Compulsory	
PHYS114	Physics II	2	2	3	5	Compulsory	PHYS113
ATA112	History of Turkish Revolution II	2	0	2	2	Compulsory	
TRD112	Turkish II	2	0	2	2	Compulsory	
ECO102	Macroeconomics	3	0	3	7	Compulsory	
	Foreign Language Elective	2	2	3	4	Elective	
Total Credit		20			31		

Semester 4

Code	Course Title	T	A	C	ECTS	Status	Prerequisite
MATH266	Probability and Statistics II	3	0	3	5	Compulsory	MATH265
IE230	Materials and Processes in Manufacturing	2	0	2	4	Compulsory	
MATH216	Mathematics IV	2	2	3	6	Compulsory	MATH114
ME201	Computer Aided Technical Drawing	2	2	3	5	Compulsory	
	Elective	3	0	3	4	Elective	
IE228	Ergonomics	3	0	3	5	Compulsory	
Total Credit		17			29		

Semester 6

Code	Course Title	T	A	C	ECTS	Status	Prerequisite
IE322	Operations Research II	3	0	3	7	Compulsory	IE321
IE318	Engineering Economy	3	0	3	6	Compulsory	
IE306	Production Planning II	3	0	3	6	Compulsory	IE305
IE308	Simulation	3	0	3	6	Compulsory	
	Departmental Elective	3	0	3	5	Elective	
Total Credit		15			30		

Semester 8

Code	Course Title	T	A	C	ECTS	Status	Prerequisite
IE498	Industrial Engineering Graduation Project	0	4	2	4	Compulsory	
	Departmental Elective	3	0	3	5	Elective	
	Departmental Elective	3	0	3	5	Elective	
	Faculty Elective	3	0	3	5	Elective	
INT001	Internship I	0	0	0	4	Compulsory	
INT002	Internship II	0	0	0	4	Compulsory	
Total Credit		11			27		

TOTAL CREDIT	133
TOTAL ECTS	240

Abbreviations: T=Weekly hours: theoretical; A=Weekly hours: application; C=Credits in Turkish System; ECTS= European Credit Transfer System

ELECTIVE COURSES

Semester 1

Code	Course Title	T	A	C	ECTS	Status	Prerequisite
SECOND FOREIGN LANGUAGE							
DEPARTMENTAL ELECTIVE							
FACULTY ELECTIVE							
UNIVERSITY ELECTIVE							

Semester 3

Code	Course Title	T	A	C	ECTS	Status	Prerequisite
SECOND FOREIGN LANGUAGE							
DEPARTMENTAL ELECTIVE							
IE267	System Dynamics	3	0	3	5	Elective	
IE269	Scientific Methods in Engineering	3	0	3	5	Elective	
FACULTY ELECTIVE							
UNIVERSITY ELECTIVE							

Semester 5

Code	Course Title	T	A	C	ECTS	Status	Prerequisite
SECOND FOREIGN LANGUAGE							
DEPARTMENTAL ELECTIVE							
FACULTY ELECTIVE							

Semester 2

Code	Course Title	T	A	C	ECTS	Status	Prerequisite
SECOND FOREIGN LANGUAGE							
DEPARTMENTAL ELECTIVE							
FACULTY ELECTIVE							
UNIVERSITY ELECTIVE							

Semester 4

Code	Course Title	T	A	C	ECTS	Status	Prerequisite
SECOND FOREIGN LANGUAGE							
DEPARTMENTAL ELECTIVE							
FACULTY ELECTIVE							
UNIVERSITY ELECTIVE							

Semester 6

Code	Course Title	T	A	C	ECTS	Status	Prerequisite
SECOND FOREIGN LANGUAGE							
DEPARTMENTAL ELECTIVE							
IE390	Special Topics in Industrial Engineering I	3	0	3	5	Elective	
FACULTY ELECTIVE							

Semester 7

Semester 8

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