

Industrial Engineering (English)			
Bachelor	TR-NQF-HE: Level 6	QF-EHEA: First Cycle	EQF-LLL: Level 6

Programme Structure

1. Semester							
Course Code	Course Name	Language	Dersin Tipi	Theoretical	Application	ECTS	Ders Kategorisi
COE103	Computational Thinking	English	Z	3	0	6	Temel Alan
DIL101	General English 1	English	Z	2	0	2	Temel Alan
ENS111	Occupational Health and Safety 1	English	Z	2	0	2	Temel Alan
MATH109	Calculus 1	English	Z	3	2	6	Temel Alan
MATH111	Discrete Mathematics	English	Z	3	0	6	Temel Alan
PHYS101	Physics 1	English	Z	3	2	6	Temel Alan
SEG001	Manifest of İstinye 1	Turkish	Z	0	1	1	
TRK101	Turkish Language 1	Turkish	Z	2	0	2	Temel Alan
total						31	

2. Semester							
Course Code	Course Name	Language	Dersin Tipi	Theoretical	Application	ECTS	Ders Kategorisi
DIL102	General English 2	English	Z	2	0	2	Temel Alan
ENS112	Occupational Health and Safety 2	English	Z	2	0	2	Temel Alan
MATH110	Calculus 2	English	Z	3	2	6	Temel Alan

MATH112	Linear Algebra with Applications	English	Z	2	2	5	Temel Alan
MEE102	Computer Aided Design	English	Z	1	3	5	Yetkinlik Tamamlayıcı
PHYS102	Physics 2	English	Z	3	2	6	Temel Alan
SEG002	Manifest of İstinye 2	Turkish	Z	0	1	1	Yetkinlik Tamamlayıcı
TRK102	Turkish Language 2	Turkish	Z	2	0	2	Temel Alan
total						29	

3. Semester

Course Code	Course Name	Language	Dersin Tipi	Theoretical	Application	ECTS	Ders Kategorisi
ATA101	Ataturk's Principles and History of Turkish Revolution 1	Turkish	Z	2	0	2	Temel Alan
COE307	Database Management Systems	English	Z	3	2	7	Yetkinlik Tamamlayıcı
ISE207	Manufacturing Processes and Operations Analysis	English	Z	3	2	6	Uzmanlık Alanı
MATH205	Differential Equations	English	Z	3	0	6	Temel Alan
MATH213	Numerical Methods for Engineers	English	Z	2	2	5	Temel Alan
	University Elective		S			5	Yetkinlik Tamamlayıcı
total						31	

4. Semester

Course Code	Course Name	Language	Dersin Tipi	Theoretical	Application	ECTS	Ders Kategorisi
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ATA102	Atatürk's Principles and History of Turkish Revolution 2	Turkish	Z	2	0	2	Temel Alan
ISE202	Engineering Economics	English	Z	3	2	7	Uzmanlık Alanı
ISE206	Modelling and Optimization 1	English	Z	3	2	7	Uzmanlık Alanı
ISE208	Project Management	English	Z	3	1	7	Uzmanlık Alanı
MATH210	Probability and Statistics	English	Z	3	2	6	Temel Alan
total						29	

5. Semester

Course Code	Course Name	Language	Dersin Tipi	Theoretical	Application	ECTS	Ders Kategorisi
COE305	Machine Learning	English	Z	3	0	6	Yetkinlik Tamamlayıcı
ISE301	Modelling and Optimization 2	English	Z	3	2	7	Uzmanlık Alanı
ISE303	Production Planning and Control	English	Z	3	2	6	Uzmanlık Alanı
ISE307	Summer Internship 1	English	Z	0	0	2	Uzmanlık Alanı
	Department Elective		S			5	Uzmanlık Alanı
	University Elective		S			5	Yetkinlik Tamamlayıcı
total						31	

6. Semester

Course	Course Name	Language	Dersin	Theoretical	Application	ECTS	Ders
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Code			Tipi				Kategorisi
ISE304	Systems Simulation	English	Z	3	2	7	Uzmanlık Alanı
ISE308	Facilities Design and Planning	English	Z	3	2	7	Uzmanlık Alanı
	Multidisciplinary Faculty Elective		S			5	Yetkinlik Tamamlayıcı
	Department Elective		S			5	Uzmanlık Alanı
	University Elective		S			5	Yetkinlik Tamamlayıcı
total						29	

7. Semester

Course Code	Course Name	Language	Dersin Tipi	Theoretical	Application	ECTS	Ders Kategorisi
ISE401	Capstone Project 1	English	Z	0	2	5	Uzmanlık Alanı
ISE403	Quality and Reliability Engineering	English	Z	3	2	6	Uzmanlık Alanı
ISE407	Summer Internship 2	English	Z	0	0	3	Uzmanlık Alanı
ISE409	Supply Chain Design	English	Z	3	2	6	Uzmanlık Alanı
SEG003	Manifest of İstinye 3	Turkish	Z	0	1	1	Yetkinlik Tamamlayıcı
	Department Elective		S			5	Uzmanlık Alanı
	Faculty Elective		S			5	Yetkinlik Tamamlayıcı
total						31	

8. Semester

Course Code	Course Name	Language	Dersin Tipi	Theoretical	Application	ECTS	Ders Kategorisi
ISE402	Capstone Project 2	English	Z	0	2	8	Uzmanlık Alanı
SEG004	Manifest of İstinye 4	Turkish	Z	0	1	1	Yetkinlik Tamamlayıcı
	Department Elective		S			5	Uzmanlık Alanı
	Department Elective		S			5	Uzmanlık Alanı
	Faculty Elective		S			5	Yetkinlik Tamamlayıcı
	University Elective		S			5	Yetkinlik Tamamlayıcı
total						29	

Temel Alan	Province	Yetkinlik Tamamlayıcı	Other

Temel Alan	% 35.29
	% 1.96
Yetkinlik Tamamlayıcı	% 25.49
Province	% 37.25

Z:Compulsory Courses

S:Seçmeli