



**BURSA ULUDAĞ UNIVERSITY**  
**GRADUATE SCHOOL OF NATURAL AND APPLIED SCIENCES**  
**2021-2022 ACADEMIC YEAR COURSE PLAN**

**FR 1.1.1\_02**

**DEPARTMENT OF**

**INDUSTRIAL ENGINEERING**

**DEPARTMENT / PROGRAM**

**ENGINEERING AND TECHNOLOGY MANAGEMENT/ Master's Degree Program (Without Thesis)**

Code/Group	Course Title	Type	T	U	L	Credit	ECTS
END5590	Engineering Technology Management and Entrepreneurship Project	C	3	0	0	3	7.5
S-1	Decision Analysis Electives					6 (2 courses)	15
S-2	Investment Planning Electives					3 (1 course)	7.5
S-3	Quality Management Electives					3 (1 course)	7.5
S-4	Organizational Management Electives					6 (2 courses)	15
S-5	Business Management Electives					6 (2 courses)	15
S-6	Technology Management Electives					9 (3 courses)	22.5
<b>Total Credits/ECTS</b>						<b>36</b>	<b>90</b>

**Note:** The students are expected to register a total of 12 credits (30 ECTS) courses every academic term in order to complete the program in three terms.

Recommended electives from each group can be freely selected at each term..

Student may register to END5590 Engineering Technology Management and Entrepreneurship Project in the third term.

Head of Industrial Engineering Department  
Prof. Dr. Erdal EMEL

Director of Institute  
Prof. Dr. Hüseyin Aksel EREN



**BURSA ULUDAĞ UNIVERSITY**  
**GRADUATE SCHOOL OF NATURAL AND APPLIED SCIENCES**  
**2021-2022 ACADEMIC YEAR COURSE PLAN (ELECTIVE COURSES)**

**FR 1.1.1\_02**

**DEPARTMENT OF**

**INDUSTRIAL ENGINEERING**

**DEPARTMENT / PROGRAM**

**ENGINEERING AND TECHNOLOGY MANAGEMENT/ Master's Degree Program (Without Thesis)**

COURSE STAGE	I. TERM / FALL								II. TERM / SPRING							
	Code	Course Title	Type	T	U	L	Credit	ECTS	Code	Course Title	Type	T	U	L	Credit	ECTS
	END5501	Probability and Statistics in Engineering	S-1	3	0	0	3	7.5	END5502	Applied Operations Research *	S-1	3	0	0	3	7.5
	END5511	Engineering Economy	S-2	3	0	0	3	7.5	END5504	Engineering Optimization	S-1	3	0	0	3	7.5
	END5531	Leadership and Management For Engineers	S-4	3	0	0	3	7.5	END5513	Engineering Project Management	S-2	3	0	0	3	7.5
	END5541	Accounting and Finance For Engineers	S-5	3	0	0	3	7.5	END5524	Lean Production and Service Management	S-3	3	0	0	3	7.5
	END5551	Strategic Technology Management	S-6	3	0	0	3	7.5	END5532	Human Factors Engineering	S-4	3	0	0	3	7.5
	END5555	Information Systems Management	S-6	3	0	0	3	7.5	END5534	Organizational Behavior and Communication	S-4	3	0	0	3	7.5
									END5544	Entrepreneurship	S-5	3	0	0	3	7.5
									END5542	Financial Research and Development	S-5	3	0	0	3	7.5
								END5552	Product Design and Development	S-6	3	0	0	3	7.5	
								END5562	Environmental Health and Safety Management	S-6	3	0	0	3	7.5	
								END5554	Supply Chain Management	S-6	3	0	0	3	7.5	
								END5560	Legal Issues in Engineering Management	S-6	3	0	0	3	7.5	
								END5564	Energy Management	S-6	3	0	0	3	7.5	
	Total Credits/ECTS						12	30	Total Credits/ECTS						12	30
STAGE THESIS	III. TERM / FALL								IV. TERM / SPRING							
	END5590	Eng. Technology Management and Entrepreneurship Project	C	3	0	0	3	7.5								
	END5503	Decision Analysis Under Risk and Uncertainty	S-1	3	0	0	3	7.5								
	END5505	Data Analytics	S-1	3	0	0	3	7.5								
	END5522	Statistical Quality Control	S-3	3	0	0	3	7.5								
	END5533	Human Resources Management	S-4	3	0	0	3	7.5								
	END5543	Marketing Technology Products	S-5	3	0	0	3	7.5								
	END5553	Production Planning and Management	S-6	3	0	0	3	7.5								
	END5557	Research and Development Management	S-6	3	0	0	3	7.5								
		Total Credits/ECTS						12	30	Toplam Kredi/AKTS						0
TOTAL CREDITS: 36 - TOTAL ECTS: 90																

**Note:** The students are expected to register a total of 12 credits (30 ECTS) courses every academic term in order to complete the program in three terms. Recommended electives from each group can be freely selected at each term. Student may register to END5590 Engineering Technology Management and Entrepreneurship Project earliest in the third term.

(\*) Industrial engineers must not register.

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