	BSc in Industrial Engineering Program Outcomes	NATIONAL QUALIFICATIONS OF RELATED FIELDS*																																									
		ENGINEERING & ENGINEERING TRADES																								BUSINESS & ADMINISTRATION																	
		A1	B1	B2	B3	B4	B5	C1	C2	D1	D2	D3	D4	D5	D6	D7	E1	E2	E3	E4	E5	F1	F2	F3	A1	B1	B2	C1	C2	C3	D1	D2	E1	E2	E3	E4	F1	F2	F3	F4	F5
1	Understand the world, their country, their society, as well as themselves and have awareness of ethical problems, values and responsibility to the self and to others																				X	X	X	X													X	X		X	X
2	Understand different disciplines from natural and statistical sciences to social sciences and art, and develop multidisciplinary approachs in thinking and practice		X									X																														
3	Think critically, follow innovations and developments in science and technology, demonstrate personal and organizational entrepreneurship and engage in life-long learning in various subjects.					X			X	X	X				X					X	X			X				X			X	X						X	X		
4	Communicate effectively by oral, written, and graphical means in both English and Turkish.																	X							X	X							X	X		X					
5	Take individual and team responsilibity, function effectively and respectively as an individual and a member or a leader of a team.							X								X							X		X	X			X												
6	Possess and apply knowledge of mathematics, science, and engineering.	X	X									X													X																
7	Design and conduct research, do experiments, as well as analyze and interpret data.						X																						X												
8	Identify, formulate, and solve engineering problems.			X	X								X														X														
9	Use the techniques, skills, and modern engineering tools necessary for engineering practice.				X	X								X	X	X	X																		X						
10	Analyze, Design and model engineering systems, components and processes.			X	X								X	X					X								X														
11	Formulate and analyze problems in complex manufacturing and service systems by comprehending and applying the basic principles of a broad range of fundamental subjects of the discipline including manufacturing processes, service systems design and operation, production planning and control, modeling and optimization, stochastics, statistics.	X	X	X	X				X	X		X	X	X						X					X		X														
12	Develop appropriate analytical solution strategies for problems in integrated production and service systems involving human capital, materials, information, equipment, and energy.		X	X	X	X			X	X		X	X	X	X					X							X														
13	Implement solution strategies on a computer platform for decision-support purposes by employing effective computational and experimental tools.		X			X	X		X	X		X			X		X			X															X						