BSc in Biological Sciences & Bioengineering Program Outcomes		NATIONAL QUALIFICATIONS OF RELATED FIELDS*																																														
		ENGINEERING & ENGINEERING TRADES A1 B1 B2 B3 B4 B5 C1 C2 D1 D2 D3 D4 D5 D6 D7 E1 E2 E3 E4 E5 F1 F2 F3									LIFE SCIENCE												AGRICULTURE, FORESTRY & FISHERY																									
Frogram outcomes	A1	B1 B2	2 B3 I	B4 B5	C1 (2 D1	D2 D3	D4 [D5 D6	D7 I	1 E2	E3 E4	1 E5	F1 F2	F3	A1 B1	B2 B	33 B4	B5 B6	C1	C2 C3	C4 C	5 D1	D2 [03 D4	E1 E2	E3	E4 E5	E6 F1	1 F2	A1 A2	A3 A	44 A5	B1 E	B2 B3	3 C1	C2 C3	C4	D1 D	2 D3	D4 E1	E2 E3	3 E4	E5 E6	6 E7	F1 F2	F3 F	4
Understand the world, their country, their society, as well as 1 themselves and have awareness of ethical problems, values and responsibility to the self and to others													x	x x	x												x		x x	×											x x	x x	×			x x	x	X
Understand different disciplines from natural and statistical sciences to social sciences and art, and develop multidisciplinary approachs in thinking and practice		x					×							х				х				x																x										
Think critically, follow innovations and developments in science and technology, demonstrate personal and organizational entrepreneurship and engage in life-long learning in various subjects.	9			х		x x	х		x			×	x		х			х					х	х	x x						x				x x	x			x x	« x				х				
4 Communicate effectively by oral, written, and graphical means in both English and Turkish.											х					Х										хх		х)	х	>	(
Take individual and team responsilibity, function effectively and 5 respectively as an individual and a member or a leader of a team.	d				х					х				х						х	х х					х										х	х									х		
Possess and apply knowledge of mathematics, science, and engineering.	Х	х					х									х	Х		х				х								хх	х	х	х														
7 Design and conduct research, do experiments, as well as analyze and interpret data.				Х															х	X														х														
8 Identify, formulate, and solve engineering problems.		>	(X					Х										Х	Х		Х	Х				ХХ									ХХ	X							Х					П
9 Use the techniques, skills, and modern engineering tools necessary for engineering practice.			х	х					х	х	х																	х																	Х			
10 Analyze, Design and model engineering systems, components and processes.		>	x					х	х			Х																						х	х				×	<								
Comprehend key concepts in biology, with an emphasis on molecular genetics, biochemistry and molecular and cell biology.	х	х					X									х															x x	х	x x	х														
Develop a professional awareness of contemporary biological 12 research questions and the experimental and theoretical methods used to address them.	х																	x x													x																	

^{*} Please check http://tyyc.yok.gov.tr/ for the list of national qualifications. The numbers represent the qualifications in the below system: A: KNOWLEDGE, Theoretical & Factual

B: SKILL, Cognitive & Applied

C: COMPETENCY, Working Independently & Taking Responsibility

D: COMPETENCY, Ability to Learn

E: COMPETENCY, Communication & Social Competencies

F: COMPETENCY, Field Specific