													N.	ATION	IAL QI	UALIF	ICATIO	NS OF	RELAT	ED FIE	LD*											
PhD in MOLECULAR BIOLOGY, GENETICS AND BIOENGINEERING PROGRAM OUTCOMES										EERING	-														RAL SCI							
		A1	A2	B1	B2	B3	B4 E	5 C1	L C2	C3	D1	D2 [03 D	4 E1	E2	F1	F2	A1 A	2 B:	1 B2	В3	В4	C1	C2	C3 D:	1 E:	1 E2	E3	E4	E5 F:	1 F2	F
1	Develop and deepen the current and advanced knowledge in the field with original thought and/or research and come up with innovative definitions based on Master's degree qualifications	2	x		x		>	:			x	x		x				x														
2	Conceive the interdisciplinary interaction which the field is related with; come up with original solutions by using knowledge requiring proficiency on analysis, synthesis and assessment of new and complex ideas.	š	х			:	x											х	:										x x	×		
3	Evaluate and use new information within the field in a systematic approach.		x	x		:	x												x													
4	Develop an innovative knowledge, method, design and/or practice or adapt an already known knowledge, method, design and/or practice to another field; research, conceive, design, adapt and implement an original subject.	2			x		x	1	x		x	х	•							x									x x	ĸ		
5	Critical analysis, synthesis and evaluation of new and complex ideas.									x				x		x					x											
6	Gain advanced level skills in the use of research methods in the field of study.	x		x		x																x										
7	Contribute the progression in the field by producing an innovative idea, skill, design and/or practice or by adapting an already known idea, skill, design, and/or practice to a different field independently.	,			x		,	1	х			×											x									
8	Broaden the borders of the knowledge in the field by producing or interpreting an original work or publishing at least one scientific paper in the field in national and/or international refereed journals.	4						x					x											х								
9	Demonstrate leadership in contexts requiring innovative and interdisciplinary problem solving.				x		x		x		x	х	(x							
10	Develop new ideas and methods in the field by using high level mental processes such as creative and critical thinking, problem solving and decision making.	1		x	x				x			х	(х							
11	Investigate and improve social connections and their conducting norms and manage the actions to change them when necessary.									x					x		x									x						
12	Defend original views when exchanging ideas in the field with professionals and communicate effectively by showing competence in the field.	2													x	x	х										x					
13	Ability to communicate and discuss orally, in written and visually with peers by using a foreign language at least at a level of Europear Language Portfolio C1 General Level.	4													x		х											x				
14	Contribute to the transition of the community to an information society and its sustainability process by introducing scientific, technological, social or cultural improvements.	,								х						х														х		
15	Demonstrate functional interaction by using strategic decision making processes in solving problems encountered in the field.		х							х						х															х	
16	Contribute to the solution finding process regarding social, scientific, cultural and ethical problems in the field and support the development of these values.									x						x																x

^{*} Please check http://tyyc.yok.gov.tr/ for the list of national qualifications.

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