

Qualifications' Profiles for NQF-HETR Levels

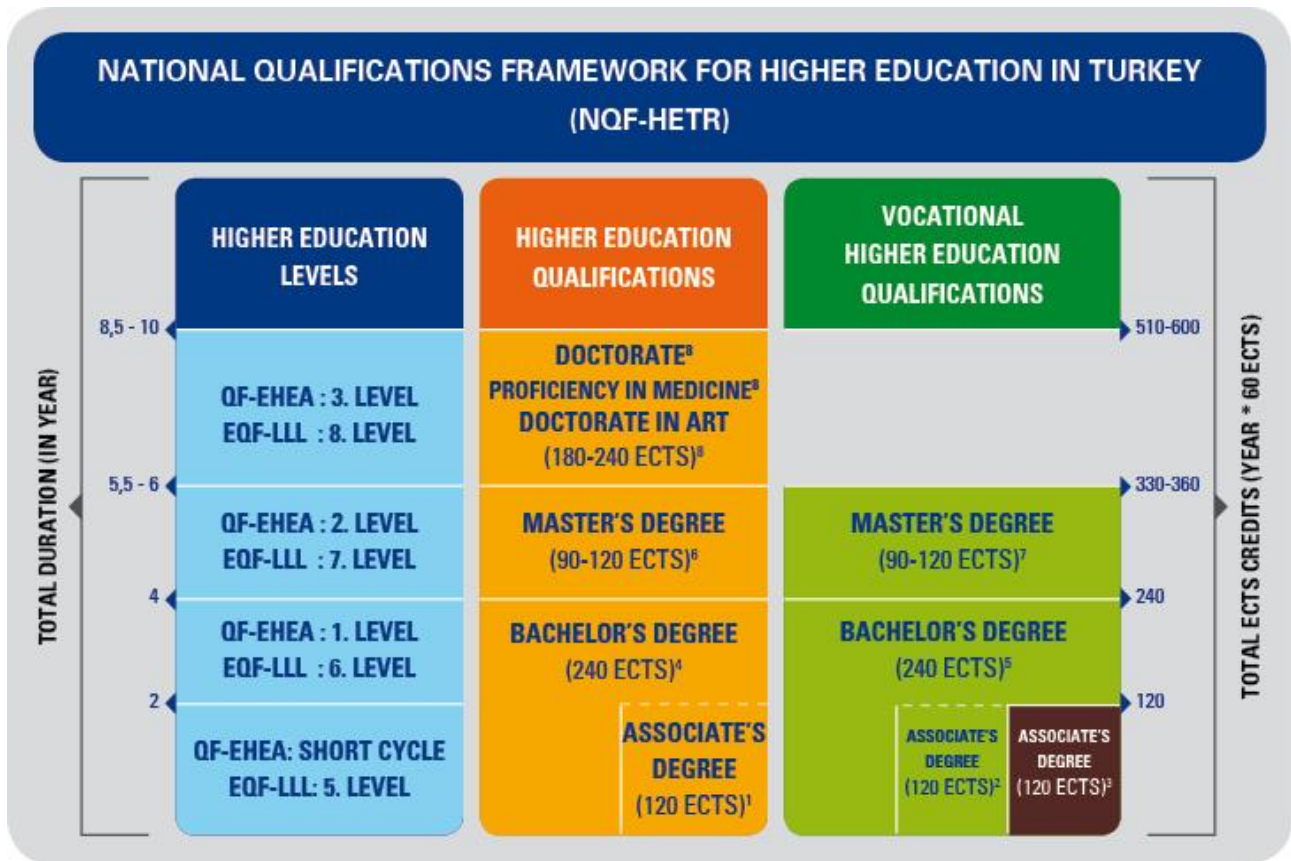


Table 1: National Qualifications Framework For Higher Education In Turkey (NQF-HETR) Level 7 (Graduate Education) Qualifications

Important Note: For Level 5, Level 7 and Level 8 qualifications, see: <http://tyyc.yok.gov.tr/?pid=33>

(Level Higher Education Qualifications Framework is equivalent for TR and TRNC.)

NATIONAL QUALIFICATIONS FRAMEWORK FOR HIGHER EDUCATION IN TURKEY (NQF-HETR)						
7. Level Qualifications						
NQF-HETR LEVEL	KNOWLEDGE -Theoretical -Conceptual	SKILLS -Cognitive -Practical	COMPETENCES			
			Competence to Work Independently and Take Responsibility	Learning Competence	Communication and Social Competence	Field Specific Competence
7 MASTER'S EQF-LLL: 7. Level QF-EHEA: 2. Cycle	-Develop and deepen knowledge in the same or in a different field to the proficiency level based on Bachelor level qualifications. -Conceive the interdisciplinary interaction which the field is related with.	-Use of theoretical and practical knowledge within the field at a proficiency level. -Interpret the knowledge about the field by integrating the information gathered from different disciplines and formulate new knowledge. -Solve the problem faced related to the field by using research methods.	-Independently conduct studies that require proficiency in the field. -Take responsibility and develop new strategic solutions as a team member in order to solve unexpected complex problems faced within the applications in the field. -Demonstrate leadership in contexts that require solving problems related to the field.	-Evaluate knowledge and skills acquired at proficiency level in the field with a critical approach and direct the learning.	-Communicate current developments and studies within the field to both professional and non-professional groups systematically using written, oral and visual techniques by supporting with quantitative and qualitative data. -Investigate, improve social connections and their conducting norms with a critical view and act to change them when necessary. -Communicate with peers by using a foreign language at least at a level of European Language Portfolio B2 General Level. -Use advanced informatics and communication technology skills with software knowledge required by the field.	-Audit the data gathering, interpretation, implementation and announcement stages by taking into consideration the cultural, scientific, and ethic values and teach these values. -Develop strategy, policy and implementation plans on the issues related to the field and assess the findings within the frame of quality processes. -Use the knowledge, problem solving and/or implementation skills in interdisciplinary studies. - Evaluates people, events and facts involved in the development of the field in terms of their effects on the practices of the field.

Table 2. List of Turkey Higher Education Qualifications Framework Definitions

Develop and deepen knowledge in the same or in a different field to the proficiency level based on Bachelor level qualifications.	NQF-HETR 1
Conceive interdisciplinary interaction which the field is related with	NQF-HETR 2
Use of theoretical and practical knowledge within the field at a proficiency level.	NQF-HETR 3
Interpret the knowledge about the field by integrating the information gathered from different disciplines and formulate new knowledge.	NQF-HETR 4
Solve the problem faced related to the field by using research methods	NQF-HETR 5
Independently conduct studies that require proficiency in the field.	NQF-HETR 6
Take responsibility and develop new strategic solutions as a team member in order to solve unexpected complex problems faced within the applications in the field.	NQF-HETR 7
Demonstrate leadership in contexts that require solving problems related to the field	NQF-HETR 8
Evaluate knowledge and skills acquired at proficiency level in the field with a critical approach and direct the learning	NQF-HETR 9
Communicate current developments and studies within the field to both professional and non-professional groups systematically using written, oral and visual techniques by supporting with quantitative and qualitative data.	NQF-HETR 10
Investigate, improve social connections and their conducting norms with a critical view and act to change them when necessary.	NQF-HETR 11
Communicate with peers by using a foreign language at least at a level of European Language Portfolio B2 General Level	NQF-HETR 12
Use advanced informatics and communication technology skills with software knowledge required by the field.	NQF-HETR 13
Audit the data gathering, interpretation, implementation and announcement stages by taking into consideration the cultural, scientific, and ethic values and teach these values.	NQF-HETR 14
Develop strategy, policy and implementation plans on the issues related to the field and assess the findings within the frame of quality processes.	NQF-HETR 15
Use the knowledge, problem solving and/or implementation skills in interdisciplinary studies	NQF-HETR 16
Evaluates people, events and facts involved in the development of the field in terms of their effects on the practices of the field.	NQF-HETR 17

Table 3. Matrix of NATIONAL QUALIFICATIONS FRAMEWORK FOR HIGHER EDUCATION IN TURKEY (NQF-HETR) and COURSES in BIOTECHNOLOGY

NQF-HETR Courses	NQF-HETR R 1	NQF-HETR R 2	NQF-HETR R 3	NQF-HETR R 4	NQF-HETR R 5	NQF-HETR R 6	NQF-HETR R 7	NQF-HETR R 8	NQF-HETR R 9	NQF-HETR R 10	NQF-HETR R 11	NQF-HETR R 12	NQF-HETR R 13	NQF-HETR R 14	NQF-HETR R 15	NQF-HETR R 16	NQF-HETR R 17
BASC501	3	3	4	3	5	3	3	3	3	4	5	5	5	3	3	4	4
BIOE535	4	4	4	3	3	3	3	3	4	4	3	3	3	4	3	3	3
BIOT511	4	4	4	3	3	3	3	3	4	4	3	3	3	4	3	3	3
BIOT512	4	4	4	3	3	3	3	3	4	4	3	3	3	4	3	3	3
BIOT513	4	4	4	3	3	3	3	3	4	4	3	3	3	4	3	3	3
BIOT514	4	4	4	3	3	3	3	3	4	4	3	3	3	4	3	3	3
BIOT515	4	4	4	3	3	3	3	3	4	4	3	3	3	4	3	3	3
BIOT516	4	4	4	3	3	3	3	3	4	4	3	3	3	4	3	3	3
BIOT517	4	4	4	3	3	3	3	3	4	4	3	3	3	4	3	3	3
BIOT518	4	4	4	3	3	3	3	3	4	4	3	3	3	4	3	3	3
BIOT519	4	4	4	3	3	3	3	3	4	4	3	3	3	4	3	3	3
BIOT520	4	4	4	3	3	3	3	3	4	4	3	3	3	4	3	3	3
BIOE522	4	4	4	3	3	3	3	3	4	4	3	3	3	4	3	3	3
ENVE525	4	4	4	3	3	3	3	3	4	4	3	3	3	4	3	3	3
BIOT509	4	4	4	3	4	3	3	3	4	3	3	3	3	4	3	3	3
BIOT500	5	5	5	5	5	5	4	4	4	4	4	5	5	5	5	5	3
BASC590	5	4	4	4	5	4	3	3	4	4	4	5	5	4	4	4	4

5. Very High 4. High 3. Average 2. Low 1. Very Low

Table 4. National Qualifications Framework For Higher Education In Turkey (NQF-HETR) for Masters in Biotechnology

IMPORTANT NOTE: Each program must enter its own level and field definitions. <http://www.tyyc.yok.gov.tr/>

Faculty/ Institute: Institute of Graduate Studies and Research		
Program: Biotechnology (Masters in English)		
Number	Main Field	Program Qualifications
1	Knowledge	T1. Develop and deepen knowledge in Biotechnology to the proficiency level based on Bachelor level qualifications
2		T2. Conceive interdisciplinary interaction with fields Biotechnology is related with
3	Skills	A1. Use of theoretical and practical knowledge including laboratory skills within the field of Biotechnology at a proficiency level.
4		A2. Interpret knowledge about Biotechnology by integrating information gathered from different disciplines such as Genetics, Molecular Biology, Cell Biology, Biology, Microbiology, Biochemistry, Cancer Biology and Neuroscience and formulate new knowledge both in the classroom and laboratory.
5		A3. Solve problems related to Biotechnology by using ethical and rigorous research methods
6	Competence to Work Independently and Take Responsibility	R1. Independently conduct both theoretical and laboratory studies and thesis work that require proficiency in the field of Biotechnology
7		R2. Take responsibility and develop new strategic solutions as a team and laboratory member in order to solve unexpected complex problems faced in the pharmaceutical, agricultural, food, health, medicine and biodefense sectors by applying knowledge of Biotechnology
8		R3. Demonstrate leadership in contexts that require solving problems related to Biotechnology
9	Learning Competence	L1. Evaluate knowledge and skills acquired at proficiency level in Biotechnology with a critical approach and direct learning appropriately
10	Communication and Social Competence	C1. Communicate current developments and studies within Biotechnology to both professional and non-professional groups systematically using written, oral and visual techniques by supporting with quantitative and qualitative data.
11		C2. Investigate, improve social connections and their conducting norms with a critical view and act to change them when necessary.
12		C3. Communicate with peers by using a foreign language at least at a level of European Language Portfolio B2 General Level
13		C4. Use advanced informatics and communication technology skills with software knowledge required by Biotechnology
14	Field Specific Competence	P1. Audit data gathering, interpretation, implementation and announcement stages by taking into consideration the cultural, scientific, and ethic values and teach these values.
15		P2. Develop strategy, policy and implementation plans on the issues related to Biotechnology and assess the findings within the frame of quality processes.
16		P3. Use the knowledge, problem solving and/or implementation skills in interdisciplinary studies

