TURKISH HIGHER EDUCATION QUALIFICATIONS FRAMEWORK-PROGRAM COMPETENCIES-BASED COMPETENCIES RELATIONSHIP

FİELD QUALIFICATIONS (Area of Fundamental Engineering)		THE PROGRAM COMPETENCIES														NATIONAL QUALIFICATIONS FRAMEWORK FOR HIGHER EDUCATION IN TURKEY (NQF-HETR) 5. Level (Associate's) Qualifications	
		1	2	3	4	5	6	7	8	9	10	11	12	13	14		
KNOWLEDGE	1- Mathematics, science and issues related to their areas have adequate infrastructure.	X	X X	X	X	X X						X				1.Possess theoretical and practical knowledge supported by textbooks with updated information, practice equipments and other resource on basic level based on qualifications gained at secondary education level.	**KNOWLEDGE i**
SKILLS	1- Understands the problems and solutions in the implementation of improved technologies.		X X	X X	X	X				X X						1. Gain the skills to use basic level theoretical and practical knowledge acquired within the field in the same field of a higher education level or in a field of same level.	**SKILLS**
	2- Taking additional technical training in the field of Technology uses the most current techniques and tools.		X X	X X	X X	X		X		X			X			2. Interpret and evaluate data, define problems, do analysis, produce solutions based on proof with using basic level knowledge and practices gained within the field.	
	3- Ability to effectively use the technical drawing practice.											X					
	4- Makes the experiment, collect data, presents the collected data.		X	X		X											
COMPETENCIES — Learning Competency		X		X	X		X					X X	X			1. Conduct studies at basic level within the field independently.	**Learning Competency** — **COMPETENCIES**
				X								X	X			2. Take responsibility as a team member in order to solve unexpected complex problems faced in the implementations within the field.	
				X		X				X			X			3. Conduct activities towards the development of subordinates within a project.	

TURKISH HIGHER EDUCATION QUALIFICATIONS FRAMEWORK-PROGRAM COMPETENCIES-BASED COMPETENCIES RELATIONSHIP (CONTINUE)

FİELD QUALIFICATIONS (Area of Fundamental Engineering)			THE PROGRAM COMPETENCIES														NATIONAL QUALIFICATIONS FRAMEWORK FOR HIGHER EDUCATION IN TURKEY (NQF-HETR) 5. Level (Associate's) Qualifications		
			1	2	3	4	5	6	7	8	9	10	11	12	13	14			
COMPETENCIES	Learning Competency	1- Becomes conscious of the need for lifelong learning	X X		X X		X			X	X X	X		X			1. Evaluate the acquired knowledge and skills at basic level within the field with a critical approach, determine and respond to learning needs. .	Learning Competency	COMPETENCIES
		2- Taking additional technical training in the field of Technology uses the most current techniques and tools.		X	X	X			X	X	X X		X	X			2. Direct the education received to a higher education level in the same field or to an occupation in the same level.		
		3- Lifelong learning is conscious.	X X		X					X X	X X						3.Gain awareness of lifelong learning		
COMPETENCIES	Communication and Social Competence	1- Uses of information technologies, space required by the European Computer User License Key Level at least in conjunction with computer software uses information and communication technologies		X	X						X			X X			1. Transfer the ideas based on the basic knowledge and skills acquired within the field through written and oral communication	Communication and Social Competence	COMPETENCIES
		2- Effective oral and written communication establishes at least one foreign language in middle-high level general level of A2 uses the European Language Portfolio.		X	X		X X		X		X	X					2. Share the ideas and solution proposals to problems about issues within the field with professionals and non-professionals		
		3-. Communicate using technical drawings.										X	X				3. Monitor the developments in the field and communicate with peers by using a foreign language at least at a level of European Language Portfolio A2 General Level.		
																	4. Use informatics and communication technologies with at least a minimum level of European Computer Driving License Basic Level software knowledge.		
COMPETENCIES	Field Specific Competency	1- Teknolojik uygulamaların hukuksal sonuçları ve meslek etiği konusunda farkındalığa sahiptir.	X	X	X	X				X				X	X		1. Possess social, scientific, cultural and ethic values on the stages of gathering, implementation and release of the results of data related to the field.	Field Specific Competency	COMPETENCIES
			X														2. Possess sufficient consciousness about the issues of universality of social rights, social justice, quality, cultural values and also, environmental protection, worker's health and security.		