

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

FIELD QUALIFICATIONS (Manufacturing and Processing)			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				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	
SKILLS	1- Understands the problems and solutions in the implementation of improved technologies.			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. 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.	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					
	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	To work individually or in teams.	X		X		X					X	X				1. Conduct studies at basic level within the field independently. 2. Take responsibility as a team member in order to solve unexpected complex problems faced in the implementations within the field. 3. Conduct activities towards the development of subordinates within a project.	Learning Competency	COMPETENCIES
				X							X	X							
				X			X			X			X						

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

FIELD QUALIFICATIONS (Manufacturing and Processing)			THE PROGRAM COMPETENCIES														NATIONAL QUALIFICATIONS FRAMEWORK FOR HIGHER EDUCATION IN TURKEY (NQF- HETR) 5. Level (Associate's) Qualifications		
COMPETENCIES	Learning Competency		1	2	3	4	5	6	7	8	9	10	11	12	13	14		Learning Competency	COMPETENCIES
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.	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.	
			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	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							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						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- Have professional awareness about the ethics of the legal consequences of technological applications	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.	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.	