

NATIONAL QUALIFICATIONS FRAMEWORK FOR HIGHER EDUCATION IN TURKEY-PROGRAM COMPETENCES-BASIC FIELD COMPETENCES RELATIONSHIP ¹

Basic Field Competencies (Manufacturing and Processing)			PROGRAM COMPETENCES														National Qualifications Framework For Higher Education In Turkey (NQF-HETR, 5. Level, Associate Degree Education)			
			1	2	3	4	5	6	7	8	9	10	11	12	13	14				
KNOWLEDGE	1-Math, science and these areas have sufficient knowledge about the implementation of the basic engineering sciences.		X 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	
	2-Has the basic concepts related to basic engineering departments.			X	X		X		X				X							
SKILLS	1-Understands basic engineering perspective and solution to engineering problems identified in the field makes with.			X X	X 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. 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-A modern technical equipment and tools necessary for engineering practice by studying additional technical uses.			X	X X	X X	X X		X X		X X		X							
	3-Makes technical drawings.												X							
	4-Algorithmic thinking.			X	X		X													
	5-Conduct experiments to study engineering problems, data collection, based on the presentation and interpretation of data collected makes.			X	X		X		X		X									
COMPETENCES	Bağımsız alışabilme ve Sorumluluk Alabilme Yetkinliği	1-Engineering teams or individual Works.			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.	Competence to Work Independently and Take	COMPETENCES
					X		X								X					
								X								X				

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Basic Field Competencies (Manufacturing and Processing)			PROGRAM COMPETENCES														National Qualifications Framework For Higher Education In Turkey (NQF-HETR, 5. Level, Associate Degree Education)		
COMPETENCES	Learning Competence	1-Aware of the need for lifelong learning is monitoring developments in the field of vocational and academic shows, constantly renews itself.	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 Competence	COMPETENCES
		2-A modern technical equipment and tools necessary for engineering practice by studying additional technical uses.		X	X				X	X			X						
			X							X									
COMPETENCES	Communication and Social Competence	1-Area required by the European Computer User License Key Level at least in conjunction with computer software uses information and communication technologies.						X				X					1. Transfer the ideas based on the basic knowledge and skills acquired within the field through written and oral communication. 2. Share the ideas and solution proposals to problems about issues within the field with professionals and non-professionals. 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.	Communication and Social Competence	COMPETENCES
		2-Communicates using the technical drawings.					X	X		X									
		3-At least one foreign language in the field using the European Language Portfolio A2 Level General monitors information and communicate with colleagues.						X				X							
				X					X										
COMPETENCES	Field Specific Competence	1-Awareness about the observance of Professional ethics in engineering applications has.					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. 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.	Field Specific Competence	COMPETENCES
														X	X	X			