

THE RELATIONSHIP BETWEEN BASIC FIELD QUALIFICATIONS AND PROGRAM QUALIFICATIONS

Basic Field Qualifications		PROGRAM QUALIFICATIONS													National Qualifications Framework for Higher Education in Turkey (NQF-HETR) 5. Level (Associate's) Qualifications	
Computer Programming		1	2	3	4	5	6	7	8	9	10	11	12	13		
KNOWLEDGE	1. Has basic theoretical and practical know ledge in Mathematics, calculating and computer sciences.	X	X X				X	X	X X	X	X X		X X		1. Possess theoretical and practical know ledge supported by textbooks w ith updated information, practice equipments and other resource on basic level based on qualifications gained at secondary education level.	KNOWLEDGE
	1. Functionalises the identified informatics and/or computer sciences problems and applies basic solution suggestions.	X X	X X	X	X	X	X X	X X	X			X X	X		1. Gain the skills to use basic level theoretical and pract	SKILLS
SKILLS	2.Uses algorithmic thinking and planning approach in the practices.	X	X	X	X	X	X X								2. Interpret and evaluate data, define problems, do analy	
	3.Develops softw are components w hose specifications are identified.	X	X				X									

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COMPETENCES	Competence of Working Independently and Taking	1. Works effectively either individually or in a group.	X					X			X	X			1. Conduct studies at basic level within the field inde	Competence of Working Independently
							X				X	X			2. Take responsibility as a team member in order to s	
								X	X			X			3. Conduct activities tow ards the development of sub	
		1. Follow s current developments in information and communication technologies w ith consciousness of the need for lifelong learning.		X			X	X		X	X	X			1. Evaluate the acquired know ledge and skills at basi	Learning Competence
										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						3. Gain aw areness of lifelong learning.	

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COMPETENCES	Communication and Social Competence	1. Communicates both in written and verbal forms; speaks at least one foreign language at the level of A2 of the European Language Portfolio, follows developments in informatics and computer sciences and communicates with colleagues.	X	X	X	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	COMPETENCES
												X				2. Share the ideas and solution proposals to problems about issues within the field with professionals and non-professionals.		
												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.		
										X	X					4. Use informatics and communication technologies with at least a minimum level of European Computer Driving License Basic Level software knowledge.		

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COMPETENCES	Field Specific Competence	1.Has occupational and ethical responsibility, the awareness of importance of occupational ethics in informatics 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.	Field Specific Competence	COMPETENCES
												X	X		X			

