THE RELATIONSHIP BETWEEN THE QUALIFICATIONS FRAMEWORK FOR HIGHER EDUCATION - PROGRAMME QUALIFICATIONS - BASIC FIELD QUALIFICATIONS

Basic Field Qualifications (Computer Science Basic Field)			PROGRAMME QUALIFICATIONS										Qualifications Framework for Higher Education in Turkey (Level 6)	
			1	2	3	4	5	6	7	8	9	10		
KNOWLEDGE	1. Possess theory and practice in the field of mathematics and computer science subjects.		X X	X X	X X	X	X	X X	X X			X X	1. Possess advanced level theoretical and practical knowledge supported by textbooks with updated information, practice equipment and other resources.	KNOWLEDGE
SKILLS	1. Determine, detect, define and model information and/or computer science problems; select and apply appropriate analysis and modeling methods.			X			X	X X	X	X	X X	X	1. Use of advanced theoretical and practical knowledge within the field.	SKILLS
	2. Design, apply and evaluate interactive experimental environments, for the purpose of defining and solving information and/or computer science problems.					X	X	X	X X	X	X X	X	2. Interpret and evaluate data, define and analyze problems, develop solutions based on research and proofs by using acquired advanced knowledge and skills within the field.	
	3. Realizes life-cycle for computer based systems.				X				X					
	4. Choose and apply mathematics and theoretical computer science knowledge with information and communication technologies to the information and/or computer science problems.				X	X			X		X	X		
COMPETENCIES	WORKING INDEPENDENTLY AND TAKING RESPONSIBILITY	1. Work efficiently individually or in multi-discipline teams.				X			X X	X			1. Conduct studies at an advanced level in the field independently.	WORKING INDEPENDENTLY AND TAKING RESPONSIBILITY — COMPETENCIES
									X		X		2. Take responsibility both as a team member and individually in order to solve unexpected complex problems faced within the implementations in the field.	
									X				3. Planning and managing activities towards the development of subordinates in the framework of a project.	
	LEARNING COMPETENCE	1. Follow recent advances in information and/or computer science and information and communication technologies, as needed for the continued professional advancement.			X	X			X		X	X	1. Evaluate the knowledge and skills acquired at an advanced level in the field with a critical approach.	LEARNING COMPETENCE
					X	X							2. Determine learning needs and direct the learning.	
					X	X							3. Develop positive attitude towards lifelong learning.	

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			1	2	3	4	5	6	7	8	9	10			
COMPETENCIES	COMMUNICATION AND SOCIAL COMPETENCE	1. Establish oral and written communication, using at least one foreign language at the level of European Language category B1; follow the advances in the field of information and/or computer science field and communicate with the colleagues.			X	X		X	X X	X	X		1. Inform people and institutions, transfer ideas and solution proposals to problems in written and orally on issues in the field.	COMMUNICATION AND SOCIAL COMPETENCE	COMPETENCIES
		2. Aware of the effect of information technology applications at organizational, social and universal levels; is aware of innovative subjects.							X		X X		2. Share the ideas and solution proposals to problems on issues in the field with professionals and non-professionals by the support of qualitative and quantitative data		
											X		3. Organize and implement project and activities for social environment with a sense of social responsibility.		
					X	X							4. Monitor the developments in the field and communicate with peers by using a foreign language at least at a level of European Language Portfolio B1 General Level.		
					X	X			X	X			5. Use informatics and communication technologies with at least a minimum level of European Computer Driving License Advanced Level software knowledge.		
COMPETENCIES	FIELD-SPECIFIC COMPETENCE	1. Aware of professional and ethical responsibilities about the legal implications of the information technology applications			X X								1. Act in accordance with social, scientific, cultural and ethical values on the stages of gathering, implementation and release of the results of data related to the field.	FIELD-SPECIFIC COMPETENCE	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.		