

Field of Education Qualifications		LEARNING OUTCOMES															National Qualifications Framework for Higher Education in Turkey	
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15		
KNOWLEDGE	1. Possessing advanced level theoretical and practical knowledge supported by textbooks with updated information, practicing equipment and other resources.	X X	X X	X X	X X	X	X X	X X	X X			X X	X X	X X			1. Possessing advanced level theoretical and practical knowledge supported by textbooks with updated information, practicing equipment and other resources.	KNOWLEDGE
SKILLS	1. Adapting and transmitting the acquired field knowledge to secondary education.	X X		X X	X X	X X	X X	X X	X X			X X	X X	X X			1. Using of advanced theoretical and practical knowledge within the field.  2. Interpreting and evaluating data, defining and analyzing problems, developing solutions based on research and proofs by using acquired advanced knowledge and skills within the field.	SKILLS
	2. Using the acquired advanced institutional and applied knowledge within field.	X X	X X	X X	X X	X X	X X	X X	X X	X X		X X	X X	X X				
	3. Using the acquired advanced institutional and applied knowledge within field.	X	X	X	X	X	X	X	X	X	X	X	X	X				
	4. Interpreting and evaluating the acquired advanced knowledge and skills within field, defining problems that are in correlation with the up-to-date technological progresses, analyzing them, producing solution offers depending on researches and facts.	X	X	X	X	X	X	X	X	X	X	X	X	X				
	5. Having the ability to conceptualized the field related facts and phenomena, investigating them with scientific method.	X	X	X	X	X	X	X	X	X	X	X	X	X				
	6. Designing and conducting experiments for investigating problems, collecting data, analyzing and interpreting the results.	X	X	X	X	X	X	X	X	X	X	X	X	X				

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COMPETENCES	Competence to Work Independently and Take Responsibility	1. Conducting a field related advanced work independently.	x x	x x	x x	x x	x x	x x	x x	x x	x x	x x	x x	x x	x x	x x		1. Conducting studies at an advanced level in the field independently.	Competence to Work Independently and Take Responsibility	COMPETENCES
		2. Taking responsibility as an individual or a member of team in order to solve the unexpected problems encountered in field related applications.					x x	x x	x x	x x	x x	x x	x x			x x	x x	2. Taking responsibility both as a team member and individually in order to solve unexpected complex problems faced within the implementations in the field.		
		3. Planning and managing the activities that are for the improvement of the team members working under his/her supervision.										x x				x x	x x	3. Planning and managing activities towards the development of subordinates in the framework of a project.		
		4. Playing a role in the decision process of encountered problems of different field areas.					x x	x x	x x	x x		x x	x x			x x	x x			
		5. Using the time efficiently in the deduction process by using analytical thinking ability.		x x	x x			x x	x x	x x	x x	x x	x x			x x	x x			
	Learning Competence	1. Approaching the acquired advanced level knowledge of the field with a critical approach.		x x				x x	x x	x x	x x	x x	x x			x x		1. Evaluating the knowledge and skills acquired at an advanced level in the field with a critical approach.	Learning Competence	
		2. Detecting learning needs and directing his/her learning.		x x				x x			x x	x x	x x			x x		2. Determining learning needs and direct the learning.		
		3. Developing positive attitude towards lifelong learning.																3. Developing positive attitude towards lifelong learning.		
		4. Having the awareness of the need for lifelong learning, and continuously improving the professional knowledge and skills.																		

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COMPETENCES	Communication and Social Competence	1. Informing the people and institutions related with his/her field; expressing the thoughts and solution proposals to problems both written and verbally.	x x	x x		x x	x x	x x	x x	x x	x x	x x	x x	x x	x x	x x	x x	Communication and Social Competence	1. Informing people and institutions, transferring ideas and solution proposals to problems in written and orally on issues in the field.	COMPETENCES
		2. Sharing the thoughts and solution proposals to problems related with his/her field with experts and non-experts by supporting them with qualitative and quantitative data.	x x	x x		x x	x x	x x	x x	x x	x x	x x	x x	x x	x x	x x	x x			
		3. Organizing and implementing projects and activities for the social environment lived with a sense of social responsibility awareness and applying these.		x x					x x	x x	x x	x x	x x		x x	x x	x x			
		4. Monitoring the developments in the field and communicating with peers by using a foreign language at least at a level of European Language Portfolio B1 General Level.			x x															
		5. Using field related the informatics and communication technologies with at least a minimum level of European Computer Driving License Advanced Level software knowledge..			x x															
		6. Using the knowledge about human health and environment awareness related with the field for the benefit of society.	x	x		x		x	x	x	x	x	x	x	x	x	x			

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COMPETENCES	Field Specific Competence	1. Acting properly according to the social, scientific, cultural and ethical values in the phases of collecting, interpreting and applying the field related data, and announcing it.		x x				x x	x x	x x	x x	x x	x x		x x	x x	x x	1. Acting 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	COMPETENCES
		2. Having sufficient consciousness regarding the issues of universality of social nations, social justice, quality management, protecting the environment through protecting cultural values, occupational health and safety.						x x								x x				