	THE RELATIONSHIP BETWEEN BASIC FIELD FRAMEWOR											
Basic Field Qualifications						OG IFI	GRA [CA]	M TON	IS		Qualifications Framework for Higher Education in Turkey	
	1. Reach expanded and in-depth information performing scientific research in engineering, evaluate, interpret and apply the information.	1 X X	X	3 X X	X	5 X X	6	7 8	9	10 X X	1. Based on the undergraduate studies qualifications, develop and deepen the knowledge acquired in the field as well as in other fields at the expert level.	
KNOWLEDGE	2. Possess extensive knowledge of engineering techniques, methods, and their respective restrictions.	X	X		X				X	X		KNOW
KNOW	3. Complete and apply information using scientific methods with limited or uncompleted data; integrate information from different disciplines.					X	X		X	X		KNOWLEDGE
	4. Be aware of the new and developing applications; examine and learn them as required.					X	X		X	X		
	1. Complete and apply information using scientific methods with limited or uncompleted data; integrate information from different disciplines.					X	X X		X	X	1. Use the expert level theoretical and practical knowledge in the field.	
SKILLS	2. Devise engineering problems, develop methods to solve them and apply technological advancements in these solutions.								X		2. Interpret and produce new information by integrating the knowledge acquired in the field with information generated in other fields.	SKILLS
SK	3. Develop new and original ideas and methods, generate innovative solutions for the design of a system, a component, or a process.					X			X			LS
	4. Design and apply analytical model based research and experimental research; solve and interpret complex situations faced during this process.								X	X		

	THE RELATIONSHIP BETWEEN BASIC FIELD QUALIFICATIONS - PROGRAM QUALIFICATIONS - THE QUALIFICATIONS FRAMEWORK FOR HIGHER EDUCATION IN TURKEY													
	Basic Field Qualifications			ON		PR	00	GRA			ION	Qualifications Framework for Higher Education in Turkey		
		1. Show leadership in multi-discipline teams, develop solutions to complex situations and take responsibilities.	1	2	3	4	5	6 X	7 8	3 9 X	9 10 X	Conduct independent studies that require expertise in the field.		
COMPETENCIES	e responsibility	2. Reach expanded and in-depth information performing scientific research in engineering, evaluate, interpret and apply the information.					X	X		2	XXX	2. Take leadership as an individual or as a team member towards solving practical problems and complex issues in the field.		
	ently and take	3. Complete and apply information using scientific methods with limited or uncompleted data; integrate information from different disciplines.					X	X X		7	X X X	3. As the leader of the team, plan and direct the members of the project team for their Professional developments.		
	ork independ	4. Devise engineering problems, develop methods to solve them and apply technological advancements in these solutions.					X				X	ENCIES ently and take		
	Competence w	5. Develop new and original ideas and methods, generate innovative solutions for the design of a system, a component, or a process.				-	X				X	responsibility		
	ŭ	6. Design and apply analytical model based research and experimental research; solve and interpret complex situations faced during this process.				X	X				X	- Q		

		THE RELATIONSHIP BETWEEN BASIC FIELD												
		RK FOR HIGHER EDUCATION IN PROGRAM QUALIFICATIONS 1 2 3 4 5 6 7 8 9 10									Qualifications Framework for Higher Education in Turkey			
COMPETENCIES		1. Aware of the new and developing applications in the profession, investigate and learn them when needed.	X	X		_				X	X	Critical evaluation of the acquired knowledge and skills in the field and direct its learning.		
	nce to learn	2. Complete and apply information using scientific methods with limited or uncompleted data; integrate information from different disciplines.				X	X			XX	X X		Competence to learn	COMPETENCIES
	Competer	3. Devise engineering problems, develop methods to solve them and apply technological advancements in these solutions.			×	XX	X			X	X		e to learn	ENCIES
		4. Develop new and/or innovative solutions in the design of a system, a component, or a process.				X				X	X			
		1. Communicate verbally and in written at least one foreign language at European Language Portfolio Level B2.					X		X	X		1. Transfer the recent developments and own studies in the field in writing, verbally, and visually systematically to groups inside and outside the field.		
	ce	2. Disseminate the process and results of studies to national and international environments verbally or in written clearly and in a systematic way in the field and outside the field.			X X			X				2. Investigate, develop, and make changes as needed social relationships and norms that direct these relationships with a critical view.	Co	
	competence	3. Define the social and environmental aspects of engineering applications.						X	X			3. Speak and write at least one foreign language at European Language Portfolio Level B2.	ommun	
COMPETENCIES	d social co	4. Reach expanded and in-depth information performing scientific research in engineering, evaluate, interpret and apply the information.				X				X	X	4. Utilize advaced computer software and information and communication technologies in the field at the desired level of expertise.	Communications and	COMPETENCIES
	nications an	5. Make up for the information and apply it using scientific methods with limited or uncompleted data; integrate information from different disciplines.				X				X	X		social	ENCIES
	Communicati	6. Devise engineering problems, develop methods to solve them and apply technological advancements in these solutions.				X				X	X		competenc	
	S	7. Have extensive knowledge of engineering techniques, methods, and their restrictions.	X	-	X	X				X			če	
		8. Design and apply analytical model based research and experimental research; solve and interpret complex situations faced during this process.			X	XX					X			

	THE RELATIONSHIP BETWEEN BASIC FIELD QUALIFICATIONS - PROGRAM QUALIFICATIONS - THE QUALIFICATIONS FRAMEWORK FOR HIGHER EDUCATION IN TURKEY													
	Basic Field Qualifications					RO LIF	GRA	AM ATON		10	Qualifications Framework for Higher Education in Turkey			
COMPETENCIES	1	1. Consider the scientific, social and ethical values in the collection, interpretion, and announcements of data and in all professional activities.	X	X				2	ζ	X	1. Audit and teach collection, interpretion, application and announcements of data in the field while observing cultural, ethical, scientific, and social values.			
	ed to the field	2. Make up for the information and apply it using scientific methods with limited or uncompleted data; integrate information from different disciplines.				X		2	X	X	2. Develop strategic, political, and application plans and evaluate produced solutions within the quality framework in the field.	COMPE		
	etence related	3. Show leadership in multi-discipline teams, develop solutions to complex situations and take responsibilities.					X			X	slated to	ETENCIES		
	Сотр	4. Disseminate the process and results of studies to national and international environments verbally or in written clearly and in a systematic way in the field and outside the field.		X							field	S		

¹ Combined matrix is formed by the combination of Basic Field Qualifications (blue colored zone on left side) - Program Qualifications and Qualifications Framework for Higher Education in Turkey (pink colored zone on right side). Individual remarks (X) pertinent to each zone are given with the same color of the zones.