Fundemental Field Qualifications (Engineering - Scientific Weight)		PY1	PY2		PY3	PF P		AMME Q	UALIFICA	ATIONS PY7	, ,	PY8	PY	/g	PY10	NATIONAL QUALIFICATIONS FRAMEWORK FOR HIGHER EDUCATION IN TURKEY (NQF-HETR) 6. Level (Associate's)	
KNOWLEDGE	The student has sufficient background in the fields of mathematics, science and engineering fields related to his field.				-			_									Possess advanced level theoretical and practical knowledge supported by textbooks with updated information, practice equipments and other resources.
		e student has the ability to use mathematics, sciences and oretical knowledge together to solve problems related to gineering.					Г				П						Use of advanced theoretical and practical knowledge within the field.
	The student identifies, defines, formulates and solves the problems in engineering, selects and applies appropriate analytical methods and modeling techniques.			П							П						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.
SKILLS	The stud															SKILLS	
	The student has the ability to choose the correct modern a technical equipment for engineering applications.																
		ent designs and makes experiments, and collects the interprets the results.															
	to Work ently	The student works efficiently either individually or in a very disciplined team.															Conduct studies at an advanced level in the field independently.
	Competence to W Independently	The student uses the databases and other informative sources to gather information.															Take responsibility both as a team member and individually in order to solve unexpected complex problems faced within the implementations in the field.
													L				Planning and managing activities towards the development of subordinates in the framework of a project.
	Learning Competence	The student uses the databases and other informative sources to gather information.	П														Evaluate the knowledge and skills acquired at an advanced level in the field with a critical approach.
		The student is aware of the need for 'Lifelong Learning' and develops his knowledge about his job.															Determine learning needs and direct the learning.
		The student has the ability to use mathematics, sciences and theoretical knowledge together to solve problems related to engineering.															Develop positive attitude towards lifelong learning.
		The student identifies, defines, formulates and solves the problems in engineering, selects and applies appropriate analytical methods and modeling techniques.															ning Comp
COMPETENCIES		The student applies modern design techniques to analyze a process which defines the requirements of a system.															etence
		The student has the ability to choose the correct modern and technical equipment for engineering applications.															COMP
		The student works efficiently either individually or in a very disciplined team.															ETENCIES
	Communication and Social Competence	The student uses advanced computer programs(European Computer Using License at least)and communicative technologies in his field															Inform people and institutions, transfer ideas and solution proposals to problems in written and orally on issues in the field.
		The student uses a foreign language to communicate effectively in spoken and written ways.															Share the ideas and solution proposals to problems on issues in the field with professionals and nonprofessionals by the support of qualitative and quantitative data.
		The student has the ability to communicate using technical drawings.															Organize and implement project and activities for social environment with a sense of social responsibility.
		The student uses the databases and other informative sources to gather information.															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.
		The student is aware of engineering solutions in a global and societal context and practices, and the effects of entrepreneurship and innovation.															Use informatics and communication technologies with at least a minimum level of European Computer Driving License Advanced Level software knowledge.
	tence	The student has professional and ethical responsibility.	П														Act in accordance with social, scientific, cultural and ethic values on the stages of gathering, implementation and release of the results of data related to the field.
	cific Competence	The student is aware of project management, workplace practices, employee health, environmental and occupational safety; and about the legal implications of engineering applications.															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	The student is aware of the effects of engineering solutions and applications shows that the global and societal context; aware of entrepreneurship and innovation and a knowledge of contemporary issues.															mpetence