

ENGINEERING COMPETENCIES		PROGRAMME OUTCOMES (POs)							
		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8
Knowledge	KNW 1								
	KNW 2								
Skills	SKL 1								
	SKL 2								
	SKL 3								
	SKL 4								
	SKL 5								
Competence (Autonomy and Responsibility Competence)	ACR 1								
	ACR 2								
	ACR 3								
Competence (Learning to Learn Competence)	LLC 1								
	LLC 2								
	LLC 3								
	LLC 4								
Competence (Communication and Social Competence)	CSC 1								
	CSC 2								
Competence (Occupational and/or Vocational Competence)	OVC 1								
	OVC 2								

NATIONAL QUALIFICATIONS FRAMEWORK FOR HIGHER EDUCATION IN TURKEY (NQF-HETR) 8. Level (Associate's) Qualifications						
NQF-HETR LEVEL	KNOWLEDGE	SKILLS	COMPETENCES			
	-Theoretical -Conceptual	-Cognitive -Practical	Competence to Work Independently and Take Responsibility	Learning Competence	Communication and Social Competence	Field Specific Competence
<p>8</p> <p>DOCTORATE</p> <p>EQF-LLL: 8. Level</p> <p>QF-EHEA: 3. Cycle</p>	<p>KNW 1- Understands and applies basic sciences, mathematics and engineering sciences at a high level.</p> <p>KNW 2- Has extensive and in-depth knowledge, including the latest developments in the field</p>	<p>SKL 1- Reaches the latest information in a field and has a high level of proficiency in the methods and skills necessary to comprehend and conduct research.</p> <p>SKL 2- Carries out a comprehensive study that brings innovation to science or technology, develops a new scientific method or technological product/process, or applies a known method to a new field.</p> <p>SKL 3- Identifies and applies basic sciences, mathematics and engineering sciences at a high level.</p> <p>SKL 4- Gain extensive and in-depth knowledge, including the latest developments in the field.</p> <p>SKL 5- Independently perceives, designs, implements and concludes an original research process; manages this process.</p>	<p>ACR 1- Contributes to the science and technology literature by publishing the outputs of its academic studies in respected academic areas.</p> <p>ACR 2- Carries out a comprehensive study that brings innovation to science or technology, develops a new scientific method or technological product/process, or applies a known method to a new field.</p> <p>ACR 3- It evaluates scientific, technological, social and cultural developments and conveys them to the society with the awareness of scientific impartiality and ethical responsibility.</p>	<p>LLC 1- Independently perceives, designs, implements and concludes an original research process; manages this process.</p> <p>LLC 2- Reaches the latest information in a field and has a high level of proficiency in the methods and skills necessary to make research by comprehending them.</p> <p>LLC 3- Carries out a comprehensive study that brings innovation to science or technology, develops a new scientific method or technological product/process, or applies a known method to a new field.</p> <p>LLC 4- Contributes to the science and technology literature by publishing the outputs of its academic studies in respected academic areas.</p>	<p>CSC 1- Performs critical analysis, synthesis and evaluation of ideas and developments in the field of expertise.</p> <p>CSC 2- Communicates effectively, both oral and in writing, with those working in the field of specialization and the wider scientific and social community, communicating and discussing at an advanced level of written, oral and visual communication using a foreign language at least at the C1 General Level of the European Language Portfolio.</p>	<p>OVC 1- Evaluates scientific, technological, social and cultural developments and conveys them to the society with scientific objectivity and ethical responsibility awareness.</p> <p>OVC 2- Communicates effectively, both oral and in writing, with those working in the field of specialization and the wider scientific and social community, communicating and discussing at an advanced level of written, oral and visual communication using a foreign language at least at the C1 General Level of the European Language Portfolio.</p>