



**Doctorate Degree Qualifications for Engineering (Academically-oriented)  
8th Level (DOCTORATE DEGREE)**

NQF-HETR LEVEL	KNOWLEDGE (KNW)- Theoretical -Conceptual	SKILLS (SKL) -Cognitive -Practical	COMPETENCES			
			Autonomy & Responsibility Competence (ACR)	Learning Competence (LLC)	Communication and Social Competence (CSC)	Field Specific Competence (OVC)
<p align="center"><b>8 DOCTORATE</b></p> <p align="center">EQF-LLL: 8. Level</p> <p align="center">QF-EHEA: 3. Cycle</p>	<p><b>KNW 1-</b> have utmost knowledge on basic sciences, mathematics, and engineering sciences; and apply this knowledge.</p> <p><b>KNW 2-</b> have extensive knowledge in the field, including recent developments.</p>	<p><b>SKL 1-</b> -have access to the most recent information in the field; have advanced methods and skills required to conduct research, using this information.</p> <p><b>SKL 2 -</b> conduct a comprehensive study that either develops a new scientific method or technological product/process, or applies a known method in another field, bringing innovation to science or technology.</p> <p><b>SKL 3 -</b> define and apply basic sciences, mathematics, and engineering sciences at the utmost level.</p> <p><b>SKL 4 -</b> have profound and extensive knowledge in the field, including recent developments.</p> <p><b>SKL 5 -</b>independently design, apply, finalize and manage the process of an original research.</p>	<p><b>ARC 1 -</b> contribute to national and international literature of science and technology, publishing the outcomes of academic research in prestigious academic journals.</p> <p><b>ARC 2-</b> conduct a comprehensive study that either develops a new scientific method or technological product/process, or applies a known method in another field, bringing innovation to science or technology.</p> <p><b>ARC 3-</b> evaluate scientific, technological, social and cultural developments and impart such knowledge to the society, in consideration of scientific impartiality and ethical responsibility.</p>	<p><b>LLC 1 -</b> design, apply, finalize and manage independently the process of an original research.</p> <p><b>LLC 2 -</b> have access to the most recent information in the field; have advanced methods and skills required to conduct research, using this information.</p> <p><b>LLC 3 -</b> conduct a comprehensive study that either develops a new scientific method or technological product/process, or applies a known method in another field, bringing innovation to science or technology.</p> <p><b>LLC 4 -</b>contribute to national and international literature of science and technology,</p>	<p><b>CSC 1-</b> make critical analysis, synthesis and evaluation of ideas and developments in the related field.</p> <p><b>CSC 2-</b> communicate effectively with specialist audience as well as with larger scientific and social communities; and communicate and discuss in oral and written form in a foreign language at minimum C1 level, as defined by the European Language Portfolio.</p>	<p><b>OVC 1-</b> evaluate scientific, technological, social and cultural developments and impart such knowledge to the society, in consideration of scientific impartiality and ethical responsibility.</p> <p><b>OVC 2-</b> communicate effectively with specialist audience as well as with larger scientific and social communities; and communicate and discuss in oral and written form by speaking a foreign language at minimum C1 level, as defined by the European Language Portfolio.</p>

				publishing the outcomes of academic research in prestigious academic		
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