

**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 to Learn Competence (LLC)	Communication and Social Competence (CSC)	Occupational and/or Vocational Competence (OVC)
<p align="center">8th CYCLE DOCTORATE</p> <p align="center">EQF-LLL: 8th CYCLE</p> <p align="center">QF-EHEA: 3rd CYCLE</p>	<p>KNW 1- have utmost knowledge on basic sciences, mathematics, and engineering sciences; and apply this knowledge.</p> <p>KNW 2- have extensive knowledge in the field, including recent developments.</p>	<p>SKL 1- have access to the most recent information in the field; have advanced methods and skills required to conduct research, using this information.</p> <p>SKL 2- 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>SKL 3- define and apply basic sciences, mathematics, and engineering sciences at the utmost level</p> <p>SKL 4- have profound and extensive knowledge in the field, including recent developments.</p> <p>SKL 5- independently design, apply, finalize and manage the process of an original research.</p>	<p>ACR 1- contribute to national and international literature of science and technology, publishing the outcomes of academic research in prestigious academic journals.</p> <p>ACR 2- 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>ACR 3- evaluate scientific, technological, social and cultural developments and impart such knowledge to the society, in consideration of scientific impartiality and ethical responsibility.</p>	<p>LLC 1- design, apply, finalize and manage independently the process of an original research.</p> <p>LLC 2- have access to the most recent information in the field; have advanced methods and skills required to conduct research, using this information.</p> <p>LLC 3- 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>LLC 4- contribute to national and international literature of science and technology, publishing the outcomes of academic research in prestigious academic</p>	<p>CSC 1- make critical analysis, synthesis and evaluation of ideas and developments in the related field.</p> <p>CSC 2- 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>OVC 1- evaluate scientific, technological, social and cultural developments and impart such knowledge to the society, in consideration of scientific impartiality and ethical responsibility.</p> <p>OVC 2- 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>