FIELDS OF QUALIFICATIONS IN NQF-HETR: ENGINEERING		PROGRAMME OUTCOMES (POs)										
		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
Knowledge	KNW 1	■	■									
	KNW 2	■	■									
	KNW 3	■	■									
	KNW 4	■	■									
Skills	SKL 1	■	■	■								
	SKL 2	■	■	■								
	SKL 3		■	■								
	SKL 4		■	■								
Competence (Autonomy and Responsibility Competence)	ARC 1		■		■							
	ARC 2	■		■		■						
	ARC 3	■	■			■			■			
	ARC 4		■	■								
	ARC 5			■		■			■			
	ARC 6			■		■						
Competence (Learning to Learn Competence)	LLC 1					■	■					
	LLC 2		■		■	■	■		■			
	LLC 3		■		■	■	■					
	LLC 4		■		■	■	■					
Competence (Communication and Social Competence)	CSC 1							■				
	CSC 2						■					
	CSC 3											■
	CSC 4	■	■	■	■	■						
	CSC 5		■	■		■						
	CSC 6		■	■		■						
	CSC 7	■	■	■			■					
	CSC 8		■	■	■	■						
Competence (Occupational and/or Vocational Competence)	OVC 1									■	■	
	OVC 2		■	■	■							
	OVC 3				■	■						
	OVC 4						■					

Master's Degree Qualifications for Engineering (Academically-oriented)
7th Level (MASTER'S DEGREE)

NQF-HETR LEVEL	KNOWLEDGE (KNW) -Theoretical -Conceptual	SKILLS (SKL) -Cognitive -Practical	PERSONAL & OCCUPATIONAL COMPETENCES Autonomy & Responsibility Competence (ACR)	Learning to Learn Competence (LLC)	Communication and Social Competence (CSC)	Occupational and/or Vocational Competence (OVC)
	Qualifications that signify completion of the seventh cycle are awarded to students who					
7th CYCLE MASTER'S **EQF-LLL:** 7th CYCLE **QF-EHEA:** 2nd CYCLE	**KNW** 1- have access to advanced knowledge in the field of engineering through scientific research; evaluate, interpret and apply knowledge. **KNW** 2- have extensive knowledge on recent techniques and methods used in engineering, and the constraints of these techniques and methods. **KNW** 3- complete and apply knowledge based on limited or deficient data through scientific methods; integrate knowledge from different disciplines. **KNW** 4- are aware of new and developing applications in the profession; examine and learn these applications, when required.	**SKL** 1- complete and apply knowledge based on limited or deficient data through scientific methods; integrate knowledge from different disciplines. **SKL** 2- define problems related with engineering; and develop methods for their solution, and use innovative methods in problem solving. **SKL** 3- generate new and/or original ideas and methods; and develop innovative solutions in system, component or process designs. **SKL** 4- design and conduct analytical, modeling and experiment-based research; solve and interpret complex problems encountered in this process.	**ACR** 1- assume the leadership role in multi-disciplinary teams; produce solutions in complicated situations and take responsibility. **ACR** 2- have access to advanced knowledge in the field of engineering through scientific research; evaluate, interpret and apply knowledge. **ACR** 3- complete and apply knowledge based on limited or deficient data through scientific methods; integrate knowledge from different disciplines. **ACR** 4- define problems related with engineering; and develop methods for their solution, and use innovative methods in problem solving. **ACR** 5- generate new and/or original ideas and methods; and develop innovative solutions in system, component or process	**LLC** 1- are aware of new and developing applications in the profession; examine and learn these applications, when required. **LLC** 2- complete and apply knowledge based on limited or deficient data through scientific methods; integrate knowledge from different disciplines. **LLC** 3- define problems related with engineering; and develop methods for their solution, and use innovative methods in problem solving. **LLC** 4- generate new and/or original ideas and methods; and develop innovative solutions in system, component or process designs.	**CSC** 1- establish oral and written communication in a foreign language at minimum B2 level, as defined by the European Language Portfolio. **CSC** 2- report systematically and clearly in written or oral form the processes and results of their research/work in national and international settings. **CSC** 3- describe social and environmental aspects of engineering applications. **CSC** 4- have access to advanced knowledge in the field of engineering through scientific research; evaluate, interpret and apply knowledge. **CSC** 5- complete and apply knowledge based on limited or deficient data through scientific methods; integrate knowledge from	**OVC** 1- comply with social, scientific and ethical values in the process of collecting, interpreting and reporting data, and in all professional activities. **OVC** 2- complete and apply knowledge based on limited or deficient data through scientific methods; integrate knowledge from different disciplines. **OVC** 3- assume the leadership role in multi-disciplinary teams; produce solutions in complicated situations and take responsibility. **OVC** 4- report systematically and clearly in written or oral form the processes and results of their research/work in national and international settings.

			designs. **ACR** 6- design and conduct analytical, modeling and experiment-based research; solve and interpret complex problems encountered in this process		different disciplines. **CSC** 6- define problems related with engineering; and develop methods for their solution, and use innovative methods in problem solving. **CSC** 7- have extensive knowledge on recent techniques and methods used in engineering, and the restrictions of these techniques and methods. **CSC** 8- design and conduct analytical, modeling and experiment-based research; solve and interpret complex problems encountered in this process.	