FIELDS OF QUALIFICATIONS IN NQF- HETR: ENGINEERING		PROGRAMME OUTCOMES (POs)							
		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8
Knowledge	KNW 1	■		■	■				■
	KNW 2	■	■			■			
	KNW 3			■					
	KNW 4	■	■						
Skills	SKL 1	■	■	■	■				
	SKL 2			■					
	SKL 3			■					
	SKL 4			■					
Competence (Autonomy and Responsibility Competence)	ACR 1				■				
	ACR 2			■	■				
	ACR 3	■			■				
	ACR 4				■				
	ACR 5			■	■				
	ACR 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 designs. **ACR 6**- design and conduct analytical, modeling and experiment-based research; solve and interpret complex problems encountered in this 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 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.	**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.