FIELDS OF QUALIFICATIONS IN NQF- HETR: ENGINEERING		PROGRAMME OUTCOMES (POs)														
		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PO13	PO14	PO15
	KNW 1															
Knowledge	KNW 2															
	KNW 3															
	KNW 4															
	SKL 1															
Skills	SKL 2															
	SKL 3															
	SKL 4															
	ARC 1															
Competence	ARC 2															
(Autonomy and Responsibility	ARC 3															
Competence)	ARC 4															
	ARC 5															
	ARC 6															
Competence	LLC 1															
(Learning to Learn	LLC 2															
Competence)	LLC 3															
	LLC 4															
Competence	CSC 1															

(Communication and Social	CSC 2								
Competence)	CSC 3								
	CSC 4								
	CSC 5								
	CSC 6								
	CSC 7								
	CSC 8								
Competence	OVC 1								
(Occupational and/or	OVC 2								
Vocational Competence)	OVC 3								
Competence)	OVC 4								

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

NQF-HETR LEVEL	KNOWLEDGE (KNW)	SKILLS (SKL)	PERSONAL & OCCUPATIONAL COMPETENCES						
	-Theoretical -Conceptual	-Cognitive -Practical	Autonomy & Responsibility Competence (ACR)	Learning to Learn Competence (LLC)	Communication and Social Competence (CSC)	Occupational and/or Vocational Competence (OVC)			
	Qualifications that signify				I a a a a a a a a a a a a a a a a a a a	lowa			
	KNW 1- have access to advanced knowledge in	SKL 1- complete and apply knowledge based	ACR 1- assume the leadership role in multi-	LLC 1- are aware of new and developing	CSC 1- establish oral and written	OVC 1- comply with social, scientific and			
	the field of engineering	on limited or deficient	disciplinary teams;	applications in the	communication in a	ethical values in the			
	through scientific	data through scientific	produce solutions in	profession; examine	foreign language at	process of collecting,			
	research; evaluate,	methods; integrate	complicated situations	and learn these	minimum B2 level, as	interpreting and			
7 th CYCLE	interpret and apply	knowledge from	and take responsibility.	applications, when	defined by the	reporting data, and in			
MASTER'S	knowledge.	different disciplines.	and take responsionity.	required.	European Language	all professional			
	inio wieuge.	different disciplines.	ACR 2- have access to	required	Portfolio.	activities.			
EQF-LLL:	KNW 2- have extensive	SKL 2- define		LLC 2- complete and					
7 th CYCLE	knowledge on recent	problems related with	the field of engineering	apply knowledge based	CSC 2- report	OVC 2- complete and			
	techniques and methods	engineering; and	through scientific	on limited or deficient	systematically and	apply knowledge based			
QF-EHEA:		develop methods for	research; evaluate,	data through scientific	clearly in written or	on limited or deficient			
2 nd CYCLE	the constraints of these	their solution, and use	interpret and apply	methods; integrate	oral form the processes	data through scientific			
	techniques and methods.	innovative methods in	knowledge.	knowledge from	and results of their	methods; integrate			
		problem solving.		different disciplines.	research/work in	knowledge from			
	KNW 3- complete and		ACR 3- complete and		national and	different disciplines.			
	apply knowledge based	SKL 3- generate new	apply knowledge based	LLC 3- define	international settings.	OTIC A			
	on limited or deficient	and/or original ideas	on limited or deficient	problems related with	CCC 2 1 11 11	OVC 3- assume the			
	data through scientific	and methods; and	data through scientific	engineering; and	CSC 3- describe social and environmental	leadership role in multi-			
	methods; integrate	develop innovative	methods; integrate knowledge from	develop methods for their solution, and use		disciplinary teams; produce solutions in			
	knowledge from different disciplines.	solutions in system, component or process	different disciplines.	innovative methods in	aspects of engineering applications.	complicated situations			
	different disciplines.	designs.	different disciplines.	problem solving.	applications.	and take responsibility.			
	KNW 4- are aware of	designs.	ACR 4- define	problem sorving.	CSC 4- have access to	and take responsionity.			
	new and developing	SKL 4- design and	problems related with	LLC 4- generate new		OVC 4- report			
	applications in the	conduct analytical,	engineering; and	and/or original ideas	the field of engineering	systematically and			
	profession; examine and	modeling and	develop methods for	and methods; and	through scientific	clearly in written or oral			
	learn these applications,	experiment-based	their solution, and use	develop innovative	research; evaluate,	form the processes and			
	when required.	research; solve and	innovative methods in	solutions in system,	interpret and apply	results of their			
		interpret complex	problem solving.	component or process	knowledge.	research/work in			
		problems encountered		designs.		national and			
		in this process.	ACR 5- generate new		CSC 5- complete and	international settings.			
			and/or original ideas		apply knowledge based				
			and methods; and		on limited or deficient				
			develop innovative		data through scientific				

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	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
	used in engineering, and the restrictions of these techniques and methods.