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											
	LLC 1											
Competence (Learning	LLC 2											
to Learn Competence)	LLC 3											
	LLC 4											
	CSC 1											
	CSC 2											
	CSC 3											
Competence (Communication and Social Competence)	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 <u>Engineering</u> (Academically-oriented) 7th Level (MASTER'S DEGREE)

NQF-HETR LEVEL	KNOWLEDGE (KNW)	N) 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						
	KNW 1- have access to	SKL 1- complete and	ACR 1- assume the	LLC 1- are aware of	CSC 1- establish oral	OVC 1- comply with	
	advanced knowledge in	apply knowledge based		new and developing	and written	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,	
a	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.		required.	European Language	all professional	
			ACR 2- have access to		Portfolio.	activities.	
EQF-LLL:		SKL 2- define	advanced knowledge in				
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:	used in engineering, and	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.		
	on limited or deficient	and/or original ideas	on limited or deficient	problems related with		OVC 3- assume the	
	data through scientific	and methods; and	data through scientific	engineering; and	CSC 3- describe social	leadership role in multi-	
	methods; integrate	develop innovative	methods; integrate	develop methods for	and environmental	disciplinary teams;	
	knowledge from	solutions in system,	knowledge from	their solution, and use	aspects of engineering	produce solutions in	
	different disciplines.	component or process	different disciplines.	innovative methods in	applications.	complicated situations	
		designs.		problem solving.		and take responsibility.	
	KNW 4- are aware of		ACR 4- define		CSC 4- have access to		
	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	A CID 5	designs.	0005	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,		methods; integrate		
			component or process		knowledge from		

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	designs.	different disciplines.
	ACR 6- design and conduct analytical, modeling and experiment-based research; solve and interpret complex problems encountered in this process	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.