

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
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)	CSC 1											■				

**DESCRIPTIONS OF FIELDS OF QUALIFICATIONS IN NQF-HETR
52 - ENGINEERING AND ENGINEERING TRADES**

7. Level (Associate's) Qualifications

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)
<p align="center">7</p> <p align="center">MASTER'S</p> <p align="center">—</p> <p align="center">EQF-LLL: 7. Level</p> <p align="center">—</p> <p align="center">QF-EHEA: 2. Cycle</p>	<p>KNW 1- The student reaches the expansion of knowledge and in-depth knowledge through scientific research in the field of engineering and evaluates, reviews and implements.</p> <p>KNW 2- The student has comprehensive information about current techniques and methods applied to engineering and their constraints.</p> <p>KNW 3- The student completes the limited or missing information using the data and applies scientific methods, different disciplines and integrates information.</p> <p>KNW 4- The student is aware of new and emerging applications in his profession and examines and learns</p>	<p>SKL 1- The student completes the limited or missing information using the data and applies scientific methods, different disciplines and integrates information.</p> <p>SKL 2- The student constructs engineering problems, develops methods to solve them and implements innovative methods of solutions.</p> <p>SKL 3- The student develops new and/or original ideas and methods, develops innovative solutions to system, component or process designs.</p> <p>SKL 4- The student designs and implements analytical</p>	<p>ACR 1- The student leads multi-disciplinary teams, develops approaches to the solutions to the complex situations and takes responsibility.</p> <p>ACR 2- The student reaches the expansion of knowledge and in-depth knowledge through scientific research in the field of engineering and evaluates, reviews and implements.</p> <p>ACR 3- The student integrates information by using the limited or missing data applying scientific method.</p> <p>ACR 4- The student constructs engineering problems, develops methods to solve them and implements</p>	<p>LLC 1- The student is aware of new and emerging applications in his profession and examines and learns them when necessary.</p> <p>LLC 2- The student integrates information by using the limited or missing data applying scientific method.</p> <p>LLC 3- The student constructs engineering problems, develops methods to solve them and implements innovative methods of solutions.</p> <p>LLC 4- The student develops new and/or original ideas and methods, develops innovative solutions</p>	<p>CSC 1- Using and knowing at least one foreign language at European Language Portfolio B2 General level, the student communicates verbally and in a written way.</p> <p>CSC 2- The student transfers process and the results of the work in the national and international media systematically and clearly in both oral and written forms.</p> <p>CSC 3- Describe the social and environmental aspects of engineering applications.</p> <p>CSC 4- The student reaches the expansion of knowledge and in-depth knowledge through scientific research in the field of engineering and evaluates, reviews and implements.</p> <p>CSC 5- The student</p>	<p>OVC 1- The student respects social, scientific and ethical values in all data collection, processing, using, interpretation, announcing.</p> <p>OVC 2- The student integrates information by using the limited or missing data applying scientific method.</p> <p>OVC 3- The student leads multi-disciplinary teams develops approaches to the complex situations and takes responsibility.</p> <p>OVC 4- The student transfers process and the results of the work in the national and international media systematically and clearly in both oral and written forms.</p>

	<p>them when necessary.</p>	<p>modeling and experimental-based research, and brings solutions and comments to complex situations encountered in this process.</p>	<p>innovative methods of solutions.</p> <p>ACR 5-The student develops new and/or original ideas and methods, develops innovative solutions to system, component or process designs.</p> <p>ACR 6- The student designs and implements analytical modeling and experimental-based research, and brings solutions and comments to complex situations encountered in this process.</p>	<p>to system, component or process designs.</p>	<p>integrates information by using the limited or missing data applying scientific method.</p> <p>CSC 6- The student constructs engineering problems, develops methods to solve them and implements innovative methods of solutions.</p> <p>CSC 7- The student has a thorough knowledge about the analysis and modeling methods in information and computer sciences and their limitations.</p> <p>CSC 8- The student designs and implements analytical modeling and experimental-based research, and brings solutions and comments on complex situations encountered in this process.</p>	
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