

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"><b>7</b></p> <p align="center"><b>MASTER'S</b></p> <p align="center">————</p> <p align="center"><b>EQF-LLL:</b> 7. Level</p> <p align="center">————</p> <p align="center"><b>QF-EHEA:</b> 2. Cycle</p>	<p><b>KNW 1-</b> 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><b>KNW 2-</b> The student has comprehensive information about current techniques and methods applied to engineering and their constraints.</p> <p><b>KNW 3-</b> The student completes the limited or missing information using the data and applies scientific methods, different disciplines and integrates information.</p> <p><b>KNW 4-</b> The student is aware of new and emerging applications in his profession and examines and learns</p>	<p><b>SKL 1-</b> The student completes the limited or missing information using the data and applies scientific methods, different disciplines and integrates information.</p> <p><b>SKL 2-</b> The student constructs engineering problems, develops methods to solve them and implements innovative methods of solutions.</p> <p><b>SKL 3-</b> The student develops new and/or original ideas and methods, develops innovative solutions to system, component or process designs.</p> <p><b>SKL 4-</b> The student designs and implements analytical</p>	<p><b>ACR 1-</b> The student leads multi-disciplinary teams, develops approaches to the solutions to the complex situations and takes responsibility.</p> <p><b>ACR 2-</b> 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><b>ACR 3-</b> The student integrates information by using the limited or missing data applying scientific method.</p> <p><b>ACR 4-</b> The student constructs engineering problems, develops methods to solve them and implements</p>	<p><b>LLC 1-</b> The student is aware of new and emerging applications in his profession and examines and learns them when necessary.</p> <p><b>LLC 2-</b> The student integrates information by using the limited or missing data applying scientific method.</p> <p><b>LLC 3-</b> The student constructs engineering problems, develops methods to solve them and implements innovative methods of solutions.</p> <p><b>LLC 4-</b> The student develops new and/or original ideas and methods, develops innovative solutions</p>	<p><b>CSC 1-</b> 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><b>CSC 2-</b> 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><b>CSC 3-</b> Describe the social and environmental aspects of engineering applications.</p> <p><b>CSC 4-</b> 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><b>CSC 5-</b> The student</p>	<p><b>OVC 1-</b> The student respects social, scientific and ethical values in all data collection, processing, using, interpretation, announcing.</p> <p><b>OVC 2-</b> The student integrates information by using the limited or missing data applying scientific method.</p> <p><b>OVC 3-</b> The student leads multi-disciplinary teams develops approaches to solutions to the complex situations and takes responsibility.</p> <p><b>OVC 4-</b> 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>

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