

FIELDS OF QUALIFICATIONS IN NQF-HETR: ENGINEERING		PROGRAMME OUTCOMES (POs)												
		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PO13
Knowledge	KNW 1	■												
Skills	SKL 1	■	■				■							
	SKL 2		■											
	SKL 3				■	■								
	SKL 4				■									
	SKL 5					■								
Competence (Autonomy and Responsibility Competence)	ARC 1			■			■	■						
	ARC 2								■					
Competence (Learning to Learn Competence)	LLC 1								■					
	LLC 2									■				
	LLC 3	■	■				■							
	LLC 4		■											
	LLC 5				■	■								
	LLC 6					■								
	LLC 7							■						
Competence (Communication and Social Competence)	CSC 1				■									
	CSC 2								■					
	CSC 3				■									
	CSC 4								■					
	CSC 5													■
Competence (Occupational and/or Vocational Competence)	OVC 1										■			
	OVC 2											■		
	OVC 3										■			

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

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">6 BACHELOR'S</p> <hr/> <p align="center">EQF-LLL: 6. Level</p> <hr/> <p align="center">QF-EHEA: 1. Cycle</p>	<p>KNW 1- The student has sufficient background in the fields of mathematics, science and engineering fields related to his field.</p>	<p>SKL 1- The student has the ability to use mathematics, sciences and theoretical knowledge together to solve problems related to engineering.</p> <p>SKL 2- The student identifies, defines, formulates and solves the problems in engineering, selects and applies appropriate analytical methods and modeling techniques.</p> <p>SKL 3- The student applies modern design techniques to analyze a process which defines the requirements of a system.</p>	<p>ACR 1- The student works efficiently either individually or in a very disciplined team</p> <p>ACR 2- The student uses the databases and other informative sources to gather information.</p>	<p>LLC 1- The student uses the databases and other informative sources to gather information.</p> <p>LLC 2- The student is aware of the need for 'Lifelong Learning' and develops his knowledge about his job.</p> <p>LLC 3- The student has the ability to use mathematics, sciences and theoretical knowledge together to solve problems related to engineering</p> <p>LLC 4- The</p>	<p>CSC 1- The student uses advanced computer programs(European Computer Using License at least) and communicative technologies in his field</p> <p>CSC 2- The student uses a foreign language to communicate effectively in spoken and written ways</p> <p>CSC 3- The student has the ability to communicate using technical drawings</p> <p>CSC 4- The student uses the databases and other informative sources to gather information.</p> <p>CSC 5- The student is</p>	<p>OVC 1- The student has professional and ethical responsibility.</p> <p>OVC 2- The student is aware of project management, workplace practices, employee health, environmental and occupational safety; and about the legal implications of engineering applications.</p> <p>OVC 3- The student is aware of the effects of engineering solutions and applications shows</p>

		<p>SKL 4- The student has the ability to choose the correct modern and technical equipment for engineering applications.</p> <p>SKL 5- The student designs and makes experiments, and collects the data and interprets the results.</p>		<p>student identifies, defines, formulates and solves the problems in engineering, selects and applies appropriate analytical methods and modeling techniques.</p> <p>LLC 5- The student applies modern design techniques to analyze a process which defines the requirements of a system.</p> <p>LLC 6- The student has the ability to choose the correct modern and technical equipment for engineering applications.</p> <p>LLC 7- The student works efficiently either individually or in a very disciplined team.</p>	<p>aware of engineering solutions in a global and societal context and practices, and the effects of entrepreneurship and innovation.</p>	<p>that the global and societal context; aware of entrepreneurship and innovation and a knowledge of contemporary issues.</p>
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