

BEM Micro-credential



BEM content (for all partners)	Title/name of the credential	Roofing		
	Function of the micro-credentials / purpose	The program is designed on the needs of industry-specific skills and is an upskilling program.		
	Possible target groups	all interested parties		
	Branch/sector of application	Architecture and construction		
	Fields of application / work environment	Architecture and construction		
	Typical work/professional tasks	1. Understanding and explaining different types of roofing systems, including their components, benefits, and installation requirements. 2. Interpreting blueprints and construction plans to accurately estimate the necessary materials for roofing projects. 3. Ensuring that the work area is safe and organized according to occupational health and safety regulations to minimize hazards. 4. Installing roofing systems with attention to insulation, soundproofing, and waterproofing to ensure energy efficiency and durability. 5. Safely installing and removing tin roofing materials, ensuring proper sealing and attachment for longevity. 6. Installing and taking down Ondulin roofing, ensuring correct alignment and secure attachment to withstand weather conditions.		
	Learning outcomes (personal and job related)	Knowledge	Skills	competences
Knowledge 1. Understanding roofing systems:				

		<ul style="list-style-type: none"> ○ In-depth knowledge of different types of roofing systems and their principles of construction. <ol style="list-style-type: none"> 2. Material awareness: <ul style="list-style-type: none"> ○ Familiarity with construction materials required for roof installations, including tin and ondulin roofing. 3. Technical drawing literacy: <ul style="list-style-type: none"> ○ Knowledge of how to read architectural and construction drawings to calculate material quantities accurately. 4. Safety regulations: <ul style="list-style-type: none"> ○ Awareness of labor safety norms specific to roofing projects and construction sites. <p>Skills</p> <ol style="list-style-type: none"> 1. Roof construction and installation skills: <ul style="list-style-type: none"> ○ Proficiency in installing roof constructions with proper heat, sound, and waterproofing measures. 2. Roof maintenance and dismantling: <ul style="list-style-type: none"> ○ Practical skills in dismantling and reinstalling tin and ondulin roofs. 3. Material estimation: <ul style="list-style-type: none"> ○ Ability to determine the required amount of construction materials based on architectural drawings. <p>Competencies</p> <ol style="list-style-type: none"> 1. Workplace organization and safety compliance: <ul style="list-style-type: none"> ○ Competence in organizing the working environment while adhering to safety standards and regulations. 2. Problem-solving in roofing tasks: <ul style="list-style-type: none"> ○ Ability to adapt techniques to complex roofing challenges, including insulation and waterproofing requirements.
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		3. Project execution: <ul style="list-style-type: none"> ○ Capability to independently plan and execute roofing projects from material estimation to installation or dismantling. 	
	Validation	criteria	procedures
		Each 6 learning outcome have its own formative and determinative assessment during the study process.	
	Recognised/accepted (documented by MoU)	Name of companies	
	Provider(s)	LLC “Gorgia”	
Additional information (if needed)	Entry level / prerequisites	Prerequisite for admission to the program general education, age 18 years or above. Program duration in hours: 96 h. Program duration in weeks: 8 weeks	
	Possible duration (recommendation)		
Specific content (national) (if needed)	Position in the chain of educational programmes	Level III – vocational education (NQF).	
	Reference to NQF		
	Credits		