

# BEM Micro-credential



BEM content (for all partners)	Title/name of the credential	Trout breeding specialist		
	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	Agriculture		
	Fields of application / work environment	The entire program is delivered in agriculture sector in Fishery		
	Typical work/professional tasks	<ol style="list-style-type: none"> <li>1. Explaining the entire trout farming process, including water flow systems, oxygenation, filtration, temperature control, and pond/tank management.</li> <li>2. Outlining health and safety procedures for workers to prevent injuries and maintain a safe working environment. This includes hygiene practices, protective gear usage, and emergency protocols.</li> <li>3. Providing detailed guidelines for maintaining fish health through proper sanitation, disease prevention, waste management, and compliance with environmental regulations to minimize ecological impact.</li> <li>4. Managing breeding schedules, ensuring optimal feeding plans, and implementing veterinary checks. Also, ensuring that environmental and sanitary standards are integrated into breeding and feeding activities.</li> <li>5. Monitoring the physical and mental well-being of staff members, ensuring efficient teamwork, and addressing any safety or productivity issues within the workforce.</li> <li>6. Organizing the proper handling, packaging, and transport of fish eggs (spawn) and trout at various life stages, following protocols to minimize stress and mortality during transportation.</li> </ol>		
	Learning outcomes (personal	Knowledge	Skills	competences

	and job related)	<p><b>Knowledge</b></p> <ol style="list-style-type: none"> <li><b>Trout farming principles:</b> <ul style="list-style-type: none"> <li>Understanding the principles of trout farming, including breeding, feeding, and growth stages.</li> </ul> </li> <li><b>Health management:</b> <ul style="list-style-type: none"> <li>Knowledge of the rules and practices for ensuring the general health of trout populations.</li> </ul> </li> <li><b>Veterinary-sanitary and environmental norms:</b> <ul style="list-style-type: none"> <li>Awareness of veterinary-sanitary requirements and environmental protection standards specific to trout farming.</li> </ul> </li> <li><b>Transportation processes:</b> <ul style="list-style-type: none"> <li>Understanding the preparation processes for transporting spawn and trout at different age stages.</li> </ul> </li> </ol> <p><b>Skills</b></p> <ol style="list-style-type: none"> <li><b>Trout breeding and feeding:</b> <ul style="list-style-type: none"> <li>Practical skills in breeding and feeding trout while adhering to veterinary-sanitary and environmental norms.</li> </ul> </li> <li><b>Health observation and assessment:</b> <ul style="list-style-type: none"> <li>Ability to monitor and evaluate the overall health condition of trout populations.</li> </ul> </li> <li><b>Transportation preparation:</b> <ul style="list-style-type: none"> <li>Skills in preparing spawn and trout for transportation, ensuring their safety and viability during the process.</li> </ul> </li> </ol> <p><b>Competencies</b></p> <ol style="list-style-type: none"> <li><b>Safe and sustainable trout farming:</b> <ul style="list-style-type: none"> <li>Competence in managing trout farming tasks in compliance with health, safety, and environmental standards.</li> </ul> </li> <li><b>Problem-solving in health management:</b> <ul style="list-style-type: none"> <li>Ability to identify and address issues affecting the health and well-being of trout populations.</li> </ul> </li> </ol>
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	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 The following companies are the partners for this program: 1. Dgyrissi Ltd 2. Bio Mari Ltd	
	Provider(s)	LLC Community College Amagi	
Additional information (if needed)	Entry level / prerequisites	Prerequisite for admission to the program: general education, age 18 years or above.  Program duration in hours: 60 h. Program duration in weeks: 15 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		