

BEM Micro-credential



Dniprorudne Professional Lyceum
State educational institution

BEM content (for all partners)	Title/name of the credential	Metal Products Sorter		
	Function of the micro-credentials / purpose	Acquisition of appropriate skills by students for quick visual inspection and sorting of metal products.		
	Possible target groups	The micro-credential "Metal Products Sorter" within the framework of vocational education and training (VET) is aimed at students and workers who wish to acquire skills and abilities, awarding the qualification of "Metal Products Sorter".		
	Branch/sector of application	Ferrous and non-ferrous metallurgy, mechanical engineering, railway transport.		
	Fields of application / work environment	Metallurgical industry; Processing industry; Metal structure storage warehouses.		
	Typical work/professional tasks	<ul style="list-style-type: none"> - Receiving and sorting metal by grades; - Compiling and delivering finished products or semi-finished products by heats, grades, profiles, sizes, and orders; - Sorting finished products while simultaneously cleaning and removing surface defects; - Stamping metal products. 		
	Learning outcomes (personal and job related)	Knowledge <ul style="list-style-type: none"> <input type="checkbox"/> Range and grades of metal; <input type="checkbox"/> Types of surface defects in metal; <input type="checkbox"/> Rules and methods for marking metal during sorting; <input type="checkbox"/> Methods for stacking metal products; rules for sampling and specimen collection; 	Skills <ul style="list-style-type: none"> • Visually identify the type of metal; • Identify types of external defects; • Use devices and instruments employed in the work; • Operate electric loading devices; • Perform rigging work; • Pack metal products; 	ACTIVITIES Competences (autonomy/responsibility) <ul style="list-style-type: none"> <input type="checkbox"/> Ability to responsibly fulfill job duties; <input type="checkbox"/> Interaction with team members during work; <input type="checkbox"/> Knowledge of professional terminology; <input type="checkbox"/> Ability to act in non-standard situations; <input type="checkbox"/> Ability to work in a team; <input type="checkbox"/> Ability to make decisions independently.

		<input type="checkbox"/> Principles of operation of devices and mechanisms used in the work.	<ul style="list-style-type: none"> Adhere to occupational safety rules. 	
	Validation	Criteria <ul style="list-style-type: none"> <input type="checkbox"/> Application of acquired knowledge; <input type="checkbox"/> Improvement of production conditions; <input type="checkbox"/> Evaluation of the final product; <input type="checkbox"/> Compliance with work requirements; <input type="checkbox"/> Meeting customer expectations and requirements; <input type="checkbox"/> Mechanism for inspecting and testing completed work. 	Procedures <ul style="list-style-type: none"> <input type="checkbox"/> Formation of a qualification commission (QC); <input type="checkbox"/> The applicant completes practical and theoretical tasks; <input type="checkbox"/> Decision of the QC (employers, educational institution staff); <input type="checkbox"/> Awarding with a certificate or digital badge. 	
	Recognised/accepted (documented by MoU)	Cooperation agreement with enterprises: Public Joint Stock Company Integrated Iron And Steel Works Zaporizhstal (PJSC Zaporizhstal); Private Joint Stock Company Zaporizkyi Iron-Ore Plant (PJSC Zaporizkyi Iron-Ore Plant); Zaporizhzhia Nuclear Power Plant; DTEK; Zaporizhzhia Thermal Power Plant.		
	Provider(s)	Private and state sectors		
Additional information (if needed)	Entry level / prerequisites	150 hours		
	Possible duration (recommendation)			
Specific content (national)	Position in the chain of educational programmes	Independent unit with the capability of integration into another sorting production.		
	Reference to NQF			
	Credits			