

**BEM Micro-credential**

**Dniprorudne Professional Lyceum**

**State educational institution**

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| **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 | * 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**   Range and grades of metal;   Types of surface defects in metal;   Rules and methods for marking metal during sorting;   Methods for stacking metal products; rules for sampling and specimen collection;   Principles of operation of devices and mechanisms used in the work. | **Skills**   * 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; * Adhere to occupational safety rules. | | **ACTIVITIES Competences (autonomy/responsibility)**   Ability to responsibly fulfill job duties;   Interaction with team members during work;   Knowledge of professional terminology;   Ability to act in non-standard situations;   Ability to work in a team;  Ability to make decisions independently. |
| Validation | **Criteria**   Application of acquired knowledge;   Improvement of production conditions;   Evaluation of the final product;   Compliance with work requirements;   Meeting customer expectations and requirements;   Mechanism for inspecting and testing completed work. | | **Procedures**   Formation of a qualification commission (QC);   The applicant completes practical and theoretical tasks;   Decision of the QC (employers, educational institution staff);   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) |
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| **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 |