BEM Micro-credential

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| **BEM content (for all partners)** | Title/name of the credential | **Assistant for Sustainable Large-Format Printing** |
| Function of the micro- credentials / purpose | This micro-credential provides practical and specialized knowledge and skills in the field of large-format printing, emphasizing innovative digital technologies and sustainable practices. The program combines technical, creative, and green skills to produce high-quality printed materials while optimizing resources and reducing environmental impact. The goal is to equip participants with techniques for large-format printing using eco-friendly processesand technologies, enhancing their competitiveness in the modern market. |
| Possible target groups | * Professionals in printing and design seeking to expand their knowledge and improve their business through sustainable practices.
* Designers and technicians interested in modern large-format printing technologies.
* Entrepreneurs in the advertising materials and interior design industries.
* Individuals with limited access to employment (the unemployed and rural

populations) who want to develop new skills. |
| Branch/sector of application | Printing industry, advertising sector, visual communications, interior and exterior design. |
| Fields of application / work environment | * Companies producing advertising materials (billboards, posters, banners).
* Design studios specializing in large-format printed materials.
* Production facilities for interior and exterior decoration.
* Visual communication and promotional industries.
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|  | Typical work/professional tasks | * Applying digital technologies to print on various large-format materials (PVC, textile, paper, metal).
* Preparing materials and designs for printing.
* Optimizing printing processes to reduce waste and save energy.
* Managing large-format digital printing equipment.
* Implementing sustainable practices in printing processes.
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| Learning outcomes (personal and job related) | Knowledge | Skills | competences |
|  | * Understanding large-format printing technologies (UV, solvent, eco- solvent, sublimation).
* Principles of sustainability in the printing and visual communications industry.
* Specific material properties for large- format printing and their impact on the final product.
* National and EU

standards for | * Using software tools for design and material preparation (e.g., Adobe Illustrator, Adobe Photoshop, CorelDRAW).
* Operating large- format printing equipment efficiently.
* Optimizing production processes with minimal resource usage.
* Developing innovative

solutions for | * Independent managing large-format printing processes.
* Implementing sustainable solutions in daily printing operations.
* Applying quality standards in the field of digital printing.
* Developing innovative approaches to the design and production of printed materials.
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|  |  | sustainability in production processes.* Basics of color and the use of eco- friendly inks in large-format

printing. | printed products based on client requirements. |  |
| Validation | Criteria | Procedures |
| 1. Application of modern printing technologies in compliance with sustainability standards.
2. Demonstration of acquired knowledge through practical work.
3. Reliability and precision in

handling printing equipment. | 1. Formation of the Evaluation Committee.
2. Execution of a practical project on a given topic.
3. Assessment of competencies and issuance of certificates or digital badges.
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| Recognised/accepted (documented by MoU) | Vocational Education and Training Centre Education CentreEmployers |
| Provider(s) | * Specialized educational institutions for digital printing and visual communications.
* Training centers in the printing industry.
* Companies producing large-format advertising materials
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| **Additional information (if needed)** | Entry level / prerequisites | It is necessary that the individual has basic knowledge and skills of drawing and painting and computer skills.Theoretical and practical training: 80 hours. Validation: 20 hours. |
| Possible duration (recommendation) |
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|  |  | Total duration: 100 hours. |
| **Specific content (national)****(if needed)** | Position in the chain of educational programmes | NQF level IV-V.The micro-credential can be linked to the National Qualifications Framework (NQF) in the field of printing and graphic design. |
| Reference to NQF |
|  | Credits | 4 Credits |
|  |  | Credits can be added based on an agreed scoring system according to the national education system. |