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 processes  and 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. | | |
| 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. | |
| Recognised/accepted (documented by MoU) | Vocational Education and Training Centre Education Centre  Employers | | | |
| Provider(s) | * Specialized educational institutions for digital printing and visual communications. * Training centers in the printing industry. * Companies producing large-format advertising materials | | | |
| **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. |