BEM Micro-credential

# BEM content (for all partners)

Title/name of the credential

Function of the micro- credentials / purpose

**Creator of Sustainable Digital Textile Printing**

This micro-credential provides knowledge and skills in the field of digital textile printing with an emphasis on sustainable technologies and processes. The program integrates technical, creative, and green skills, covering modern printing techniques, resource optimization, and reducing environmental impact. The goal is to equip participants with processes aligned with sustainability and innovation in the textile industry, enabling the development of competitive products that meet market demands.

Possible target groups

Branch/sector of application

Fields of application /

* Professionals from the textile industry who wish to expand their
* knowledge and improve their work using innovative technologies.
* Designers and creators of textile products interested in sustainable
* production methods.

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* Beginners and entrepreneurs in the textile sector who want to develop eco-friendly products.

Individuals from vulnerable groups (unemployed, people with disabilities, rural populations) interested in developing new skills. Women who want to start their own business in the textile industry. Migrants and refugees interested in working in the textile industry.

Textile and fashion industry, sustainable production, design, and decoration.

* Textile printing facilities and fabric production plants.

work environment

Typical work/professional tasks

Learning outcomes

(personal and job related)

* Fashion houses applying digital printing techniques.
* Design studios specializing in textile design.
* Craft centers and manufacturers of eco-friendly textile products.
* Applying digital printing methods to various types of fabrics.
* Creating sustainable and aesthetically appealing textile products.
* Adapting printing techniques to material-specific requirements.
* Implementing sustainable practices to reduce waste in production.
* Utilizing software tools for design and quality control. Knowledge Skills competences
	+ Understanding

different digital printing technologies (inkjet, sublimation, UV printing) and their applications.

* + Principles of

sustainability in textile production.

* + Material-specific

properties for textile printing and their impact on the final product.

* Using digital

tools for design creation and production optimization.

* Efficient

handling with printing equipment.

* Applying

sustainable practices in raw material handling and waste management.

* Developing

innovative textile products

* Independent

organizing and executing digital printing processes.

* Initiating and

implementing sustainable solutions in textile production.

* Applying quality

and sustainability standards in everyday work.

* Using innovations

to improve business processes.

* + National and EU standards for sustainability and textile product safety.

by adapting designs to specific customer requirements.

Validation

* + Basics of eco- friendly dyes and pigments in the textile industry.

Criteria Procedures

□Compliance with digital printing □ Formation of the Evaluation

and sustainability standards.

□ Application of acquired knowledge through practical work.

□Reliability and accuracy in handling equipment.

Committee to assess knowledge and skills.

* Implementation of a practical
* project on a given topic. Assessment of competencies and issuance of certificates or digital badges.

# Additional information (if needed)

Recognised/accepted (documented by MoU) Provider(s)

Entry level / prerequisites Possible duration

Vocational Education and Training Centre Education Centre

* Educational institutions specialized in textile technology and graphic

design, private printing companies or textile design institutes. Local schools

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Vocational Education and Training Centre

It is necessary that the individual has basic knowledge and skills of drawing and painting and computer skills.

# Specific content (national) (if needed)

(recommendation)

Position in the chain of

educational programmes

Reference to NQF Credits

Theoretical and practical training: 80 hours. Validation: 20 hours.

Total duration: 100 hours.

NQF level IV-V

Adapt the content to the specific market characteristics and regulations

for digital textile printing in the country. For example, local regulations regarding ink safety in contact with the skin may apply.

The micro-credential can be linked to the National Qualifications Framework (NQF) in the field of textile technology and graphic design. 4 Credits. Credits can be added based on an agreed scoring system according to the national education system.