

Microcredentials for VET and labour market – The manufacturing sector

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Reasons for selecting the manufacturing sector

- ❖ A broad economic sector one of the largest and most dominant sectors in the EU, which employ a large portion of the EU working population .
- It possesses different development trajectories and skills systems.
- Historically the sector aims at different demographics for its workforce.
- Manufacturing has VET systems with different starting points and trends between countries.
- The manufacturing and service industries demand continuous learning, given that products and working conditions are subject to rapid change



Main changes taking place in manufacturing

Manufacturing

Introduction of new production technologies and growing level of technological complexity

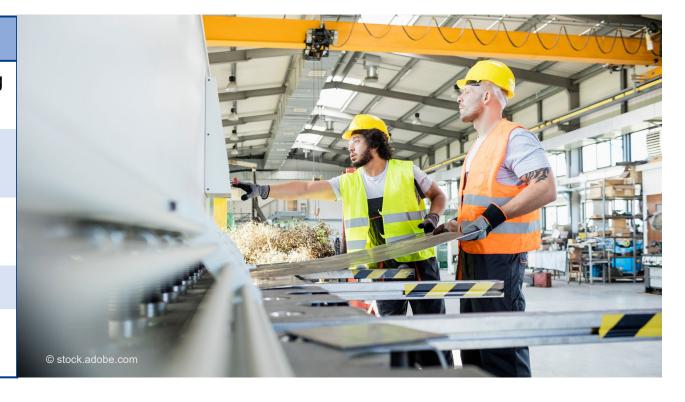
Advent of new materials

Growing atomisation and robotisation of industrial production through Industry 4.0

Digitalisation and shortening of value chains

Growing need for interdisciplinary and broader basic

knowledge



Source: Cedefop, 2023

Examples of sectoral and professional skills certificates

- Manufacturing operations for the medical device/pharma industry (life sciences manufacturing operations), offered in Ireland;
- the qualification in additive manufacturing offered in Portugal;
- and the quality management system and welding coordination offered in Denmark.

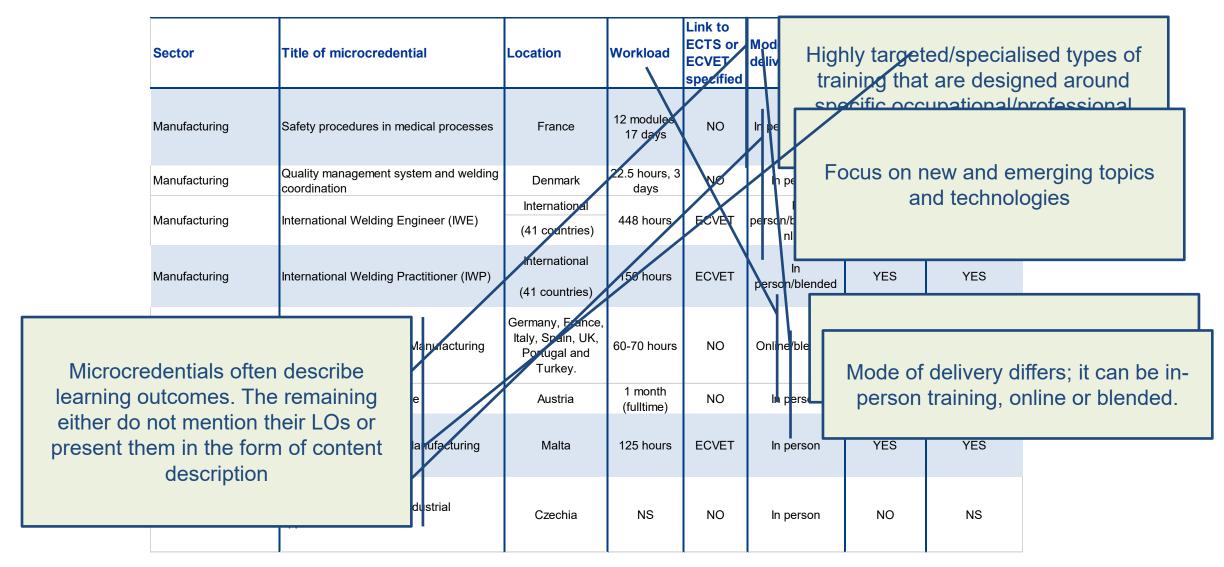


Information collected (via a template) in selected examples in manufacturing

(a) a title; (b) a provider or awarding body; (c) learning outcomes (LOs); (d) duration and pace; (e) notional workload or credits; (f) type of assessment; (g) option to accumulate and combine; (h) link to European qualifications framework (EQF) and national qualifications frameworks (NQF);(i) link to occupational standards; (j) mode of delivery; (k) format of certification; (I) prerequisites needed to start a learning activity; (m) target group; (n) country or region where available; (o) purpose; (p) costs and funding options; (q) additional information where and if relevant



Main characteristics of microcredentials in the manufacturing sector









For further information:

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Project page

www.cedefop.europa.eu/en/projects/microcredentials-labour-market-education-and-training

Podcast

https://www.cedefop.europa.eu/en/podcasts/cedefop-podcast-episode-23-how-microcredentials-empower-you-work

Briefing Note

https://www.cedefop.europa.eu/en/publications/9192