

# Revising qualifications for industry 4.0

POLICY DEVELOPMENT

PRACTICAL MEASURE/INITIATIVE

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## Timeline

2017 Completed

ID number 27974

## Background

The increasing changes in the world of work and occupation, against the background of Industry 4.0 and digitalisation, raise the question of how training and further education can react to these changes to meet the changing competence requirements of companies and to ensure the employability of employees and jobseekers in the long term.

## Objectives

Identifying needs and possibilities to develop digital skills in initial and continuing VET.

## Description

In 2017, an expert group within the Association Industry 4.0 Austria started to reflect on how the qualifications and competences required for industry in the digital age could be developed in initial and continuing education and training. The topic was discussed in two expert workshops (with participation from companies, research institutions, training and further education institutions, social partners, etc.). The results of the workshops were published in a final report at the end of 2017. Seven fields of action were identified:

- (a) combining old and new learning content;
- (b) diversity of learning locations;
- (c) access to learning;
- (d) framework conditions;
- (e) cooperation;
- (f) promotion of women;
- (g) continuing education strategies.

A total of 81 recommendations were formulated and directed towards policy-makers and stakeholders in politics, administration, companies and education institutions.

2017 Completed

## Bodies responsible

- Federal Ministry of Transport, Innovation and Technology (BMVIT) (until 2020)
- Association Industry 4.0 Austria

## Target group

### Learners

Learners in upper secondary, including apprentices  
Adult learners

### Entities providing VET

VET providers (all kinds)

### Other stakeholders

Social partners (employer organisations and trade unions)

## Thematic categories

### Modernising VET offer and delivery

Modernising VET standards, curricula, programmes and training courses  
Acquiring key competences

## Subsystem

IVET CVET

## Further reading

[Plattform industrie 4.0](#)

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[Recommendations to policy-makers and stakeholders](#)

## Related policy developments

**2024 Implementation**

### Digital pioneers - voluntary digital year for women

The Digital pioneers project is being designed and piloted by the Association Industry 4.0 Austria together with the Digital Campus Vorarlberg and the Chamber of Labour on behalf of the digitalisation fund of the Chamber of Labour.

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#### Type of development

Practical  
measure/Initiative

#### Subsystem

IVET CVET

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2024 Implementation

## Strategy for artificial intelligence in education and training

In 2018, the Federal Ministry of Transport, Innovation and Technology (BMVIT) and the Federal Ministry of Digital and Economic Affairs (BMDW) jointly published the paper Artificial Intelligence Mission Austria 2030.

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### Type of development

Strategy/Action  
plan

### Subsystem

IVET CVET

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2024 Implementation

## Digital competence model for Austria (DigComp 2.2 AT)

In 2019, the Federal Ministry of Digital and Economic Affairs (BMDW) published the Digital competence model for Austria (DigComp 2.2 AT).

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### Type of development

Practical  
measure/Initiative

### Subsystem

IVET CVET

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2023 Discontinued

## Digitalisation strategy School 4.0. - now we are going digital

Since autumn 2017, all new teachers must acquire standardised digital competences, including digital subject-specific didactic, within their initial teacher training programme.

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### Type of development

Strategy/Action  
plan

### Subsystem

IVET CVET

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2024 Implementation

## Digital skills initiative

In 2019 the Austrian Public Employment Service (AMS) organised a total of 10 company workshops within the framework of the New digital skills initiative, which is a new development of the AMS New skills project, which has been running since 2009.

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**Type of development**

Practical  
measure/Initiative

**Subsystem**

IVET CVET

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