



Aligning industrial, trade and VET policies (Vocational Education and Training) to ensure the right skills in the digital economy

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The challenge...

Digitalisation and vocational
education and training



Digitalised jobs, for example
a brewer and



a plant operator/service technician

...and four core messages in response...

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Occupational competency is the goal of vocational education and training

Basic professionalisation/vocational education and training

- forms the basis of employability and professional careers,
- strengthens personal responsibility and
- the participation of skilled workers in society.

The German dual system of vocational education and training is characterised by...



| | | |
|--------------------|---|-----------------------------------|
| Number of options? | 327 training occupations | |
| Who is involved? | approx 520,000 trainees per year / 1.3 million in total | |
| Financed by? | approx 450,000 training companies | approx. 1,600 vocational schools |
| | Training companies | Federal states and municipalities |

Regular updating of training regulations ensures quality

Screening (realized by Federal Ministry of Education and Research and BIBB)

Selected Training Occupations

1. Industrial clerk
2. Sewage engineering technician
3. Warehouse logistics operator
4. Agricultural and construction machinery mechatronics engineer
5. Farmer; agricultural services specialist
6. Machine and plant operator in food engineering
7. Machine and plant operator in textile engineering/finishing
8. Media designer for images and sound; designer of digital and print media
9. Orthopaedic technician
10. Road builder
11. Mechanic in plastics and rubber processing
12. Plant mechanic for sanitary, heating and air conditioning systems

Method

Sector analysis

- Delineation and definition of the field of investigation
- Identification of areas of innovation relevant to vocational education and training
- Key figures relating to training, the economy and employment
- Selection of experts and case studies

Company case studies

- Help with determining the working contexts, work tasks, work processes and organisational structures relevant for the sector examined
- Work observations
- Semi-structured expert interviews
- Expert discussions at all levels

Online survey

- Testing of the hypothesis set up as part of the qualitative investigation

Alignment of regulatory instruments

Recommendations for action
Results

Third core message

Digitalisation and technological change are additional drivers of the transformation required

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Fourth core message

The updating of vocational education and training contributes to ensuring society is fit for the future

Training potential is part of the economic power of a country.

The personal and social competencies of the individual strengthen society.

Attractive vocational education and training motivates and enables young people to set out on the path to a secure future.

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Thank you for your attention

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Background information

The German occupational concept

The **327 training occupations** currently in existence are each socially negotiated constructs and serve as minimum standards for the training.

Each occupation is defined by a legally binding training regulation.

These consist of an occupational profile, a company-based general training plan, a school-based curriculum, and nationally standardized examination regulations and requirements.

The training generally lasts for three years.

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