### Vocational training and studies combined – dual courses of study in Germany

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**Dual studies**: definition, basic types, characteristics, etc.



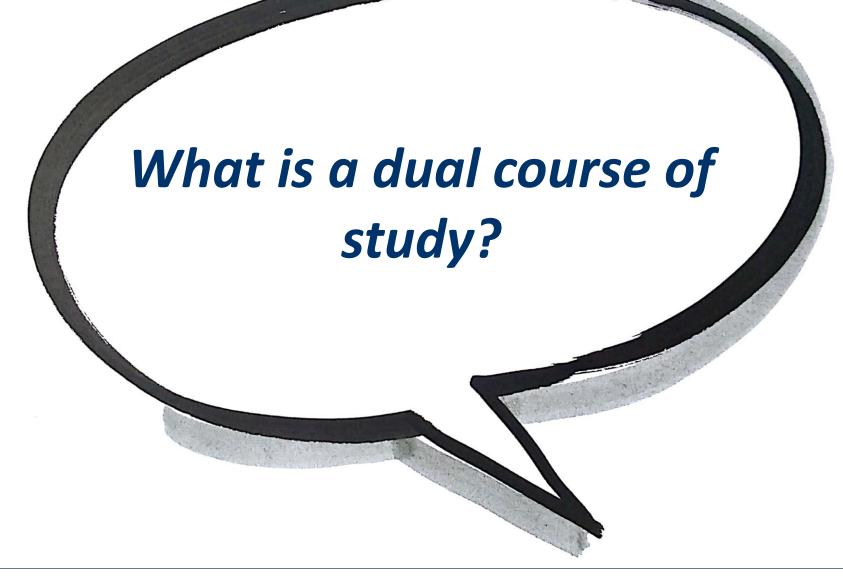
**Developments** in dual studies: facts and figures

Combinable vocational training occupations

#### **Examples from practice**



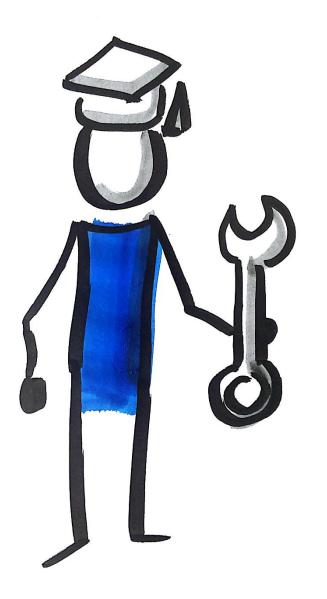








Dual courses of study combine a course of study at a university with vocational training, phases of practical experience in a company or a relevant practical occupation. They lead either to just an academic degree or additionally to another recognised vocational qualification.







# What are the basic types of dual courses of study?







## **Courses of study that integrate training**

combine the **course of study** with **training** in a recognised skilled occupation

## Courses of study that integrate practical experience

combine the **course of study** with extended **phases of practical experience** in the company or part-time professional activity





### What are the characteristics of dual courses of study?







Combination	bination Combination of course of study with vocational training or phases of practical experience		
Learning venues	rning venues At least two learning venues (technical university/university/vocational academy and company)		
Organisation	Switching between university and company		
	al practice and study are harmonised in terms of on and curricula	Integration	
University admission and training/internship or employment contract with a company		Requirement	
•	degree (usually Bachelor's), possibly plus qualification	Qualifications	





# What organisational models exist?





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#### **Block model**

There are alternate phases of theory and practice.

Blocks span between 8 and 16 weeks.

University Company University Company Universi
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#### **Special form of block model**

The vocational training begins around 6-18 months before the course of study begins.

Preliminary occupational practice	University	Company	University	Practical semester

#### **Rotation model**

During the semester, the week is divided into practical days in the company and lectures.





### What are the advantages of a dual course of study?





#### Direct transfer between theory and practice

- High level of subject knowledge, method expertise and social skills
- Excellent chances for a permanent position
- Possibly two or more qualifications within 3-5 years: Bachelor's degree + vocational qualification + optionally further certificates or further training qualifications
- Company usually pays study/semester fees and a (training) remuneration





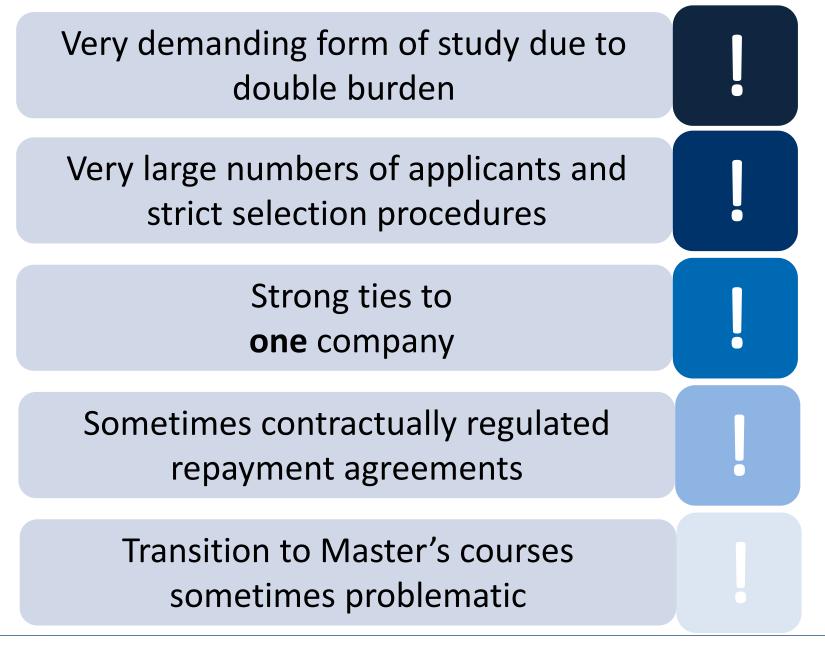


### What conditions can be found in a dual course of study?













Which vocational training occupations can be combined with a dual course of study?

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## Occupations in courses of study that integrate training

Occupation	Number of courses of study that can be combined with the occupation
Industrial mechanic	129
Mechatronics fitter	116
IT specialist (all subjects)	89
Industrial clerk	86
Electronics technician (all subjects)	81
Office manager	64
Banker	53
Wholesale and retail trader (all subjects)	52
IT merchandiser	50
Technical product designer (mechanical and plant engineering)	47
	Source: BIBB



# Preparation for a dual course of study







## Preparation for courses of study that integrate training

Applications to companies are submitted around one year before commencing training. With the signed vocational training contract, applicants can apply for a place at the university

Source: BIBB 2017

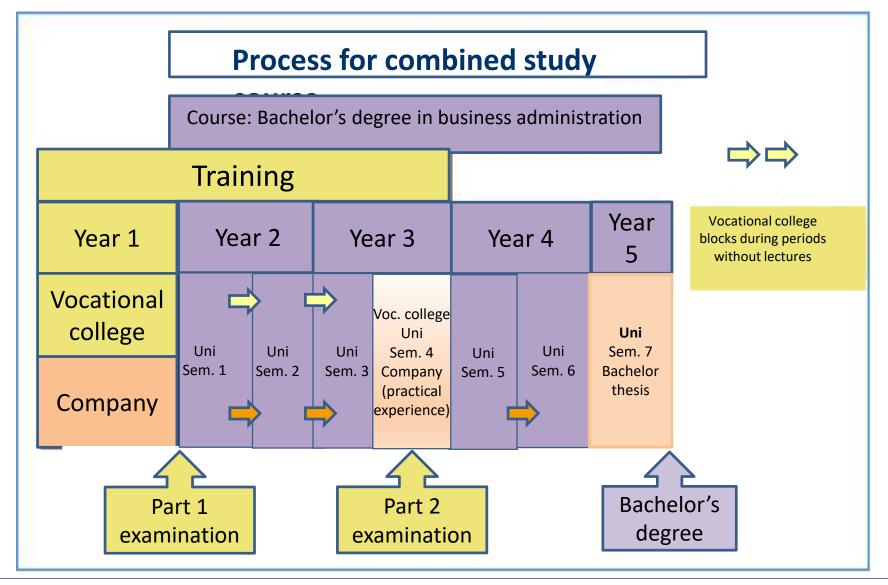


### **Examples from practice**



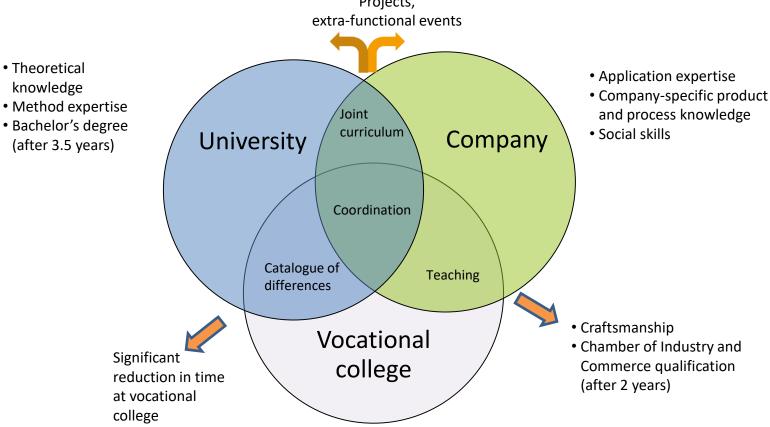


#### **Time model**





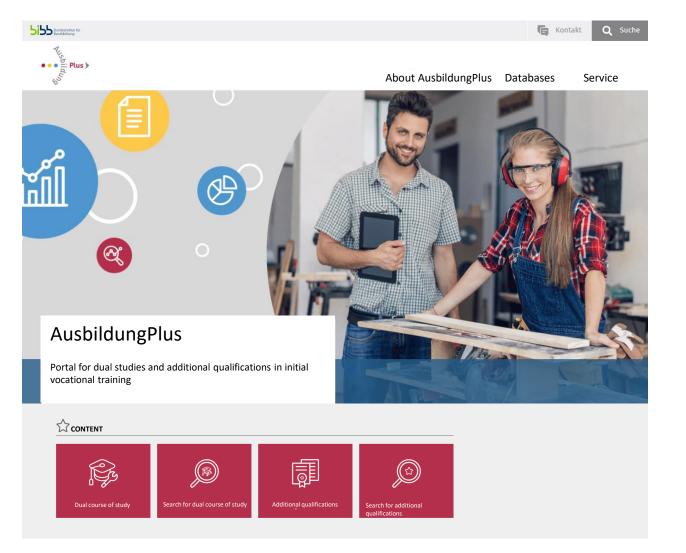
## Cooperation between vocational training and academic education







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# Thank you for listening!

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### How many dual courses of study are there and how has dual study developed in recent years?





## Courses of study, cooperation companies and students in initial training (2004-2016)

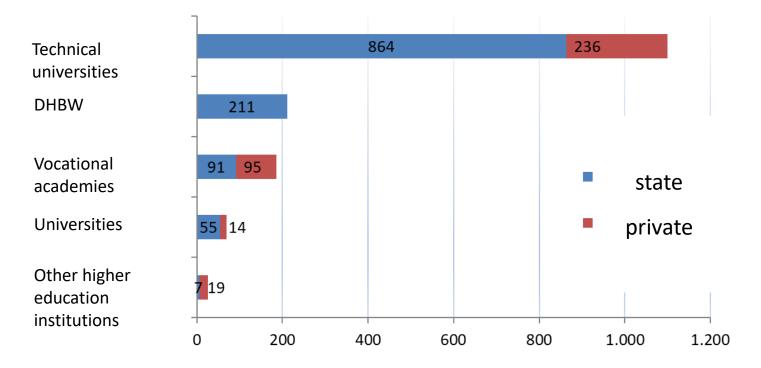
Year	Number of dual courses of study	Number of cooperating companies	Number of students
2004*	512	18,168	40,982
2005*	545	18,911	42,467
2006*	608	22,003	43,536
2007*	666	24,246	43,220
2008*	687	24,572	43,991
2009*	712	26,121	48,796
2010*	776	27,900	50,764
2011*	929	40,874	61,195
2011	879	40,555	59,628
2012	910	45,630	64,093
2013	1,014	39,622	64,358
2014	1,505	41,466	94,723
2015	1,553	42,951	95,240
2016	1,592	47,458	100,739

\* Values comprise offers in the area of initial training and further training

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### Distribution of dual courses of study in initial training by provider and organisational form in 2016



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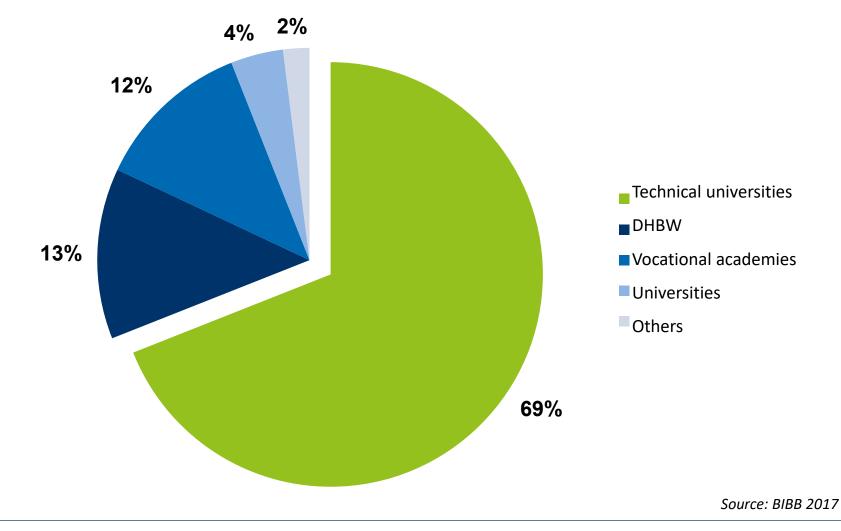


## Proportion of dual course students out of the total number of students in Germany in 2016

Figure 2.2 Form of study by type of higher education institution in columns (%)				
Form of study	Total	Uni	Tech. uni	
Classroom course	93	99	82	
Part-time course while working	2	1	5	
Dual course of study	5	<1	13	
DSW/DZHW 21st social survey				



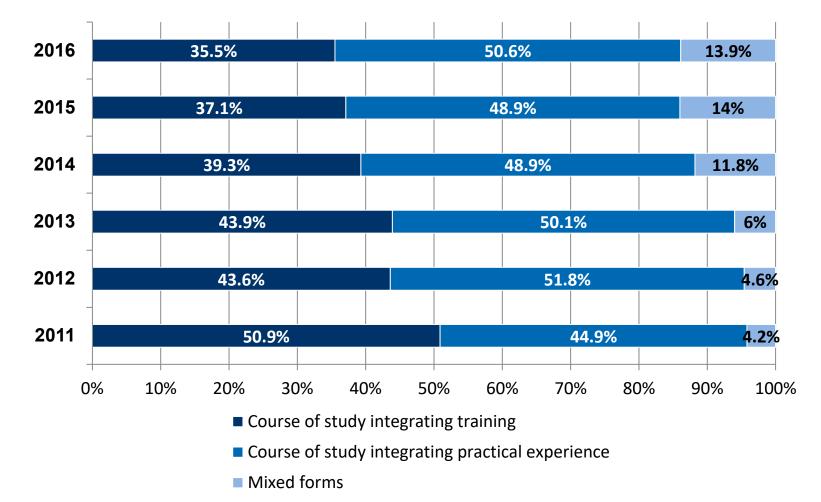
## Providers of dual courses of study in initial training (2016)





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## Distribution of dual formats of study in initial training (2011-2016)

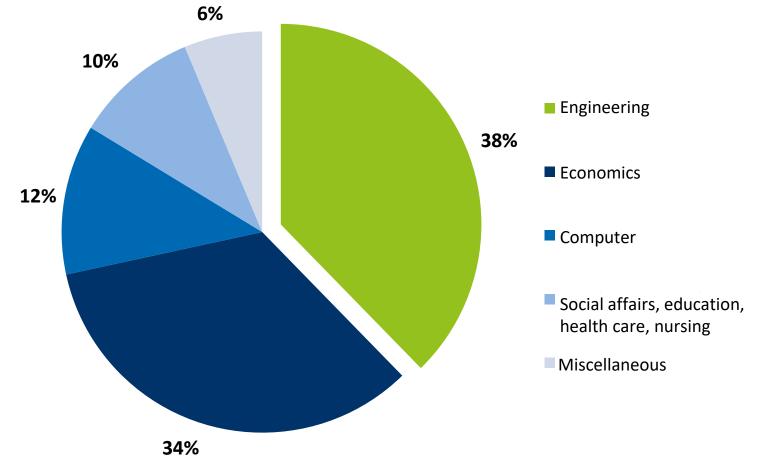


Source: BIBB 2017



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## Subjects of dual courses of study in initial training (2016)





Source: BIBB 2017



### Regional distribution of dual courses of study in initial training (2016)



Source: BIBB 2017



