

COOPERATIVE STATE UNIVERSITY BADEN-WÜRTTEMBERG

ANNUAL REPORT
DHBW 2021/22

DUALE HOCHSCHULE BADEN-WÜRTTEMBERG



REPORTING PERIOD
01/10/2021 – 30/09/2022

CONTENTS

DHBW at a glance	8
Dual, regional and pretty clever	11
Highlights of the year	12
Our DHBW in numbers	22
Academic further education at DHBW CAS	34
DHBW international	36
Legal notice	38



PROF. DR. MARTINA KLÄRLE

Dear DHBW Family

I took over the role of President of the Baden-Württemberg Cooperative State University from my predecessor, Professor Arnold van Zyl, on 1 February 2022. So this annual report is the first that I have the privilege of presenting to you as President of this great university. The annual report looks a little different this year.

It highlights DHBW's achievements, each with their own success story.

The things that DHBW has achieved through its members fill me with gratitude.

With over 33,000 students, we have once again taken first place as the largest university in Baden-Württemberg and, with over 9,000 dual partners, have further expanded our position as the largest transfer university in Germany.

And in the coming year, the EU will make us the first dual 'European University' in the network.

The world is full of duality and we help shape that.

We will fill over 100 new professorships in teaching, including a large number of DUAL professorships. With more than 100 CAS employees, we will design academic further education for major transformations in companies – DUAL, of course.

Dual research, especially for medium-sized companies, and almost 100 dual cooperative doctorates round off the offering of an agile university that keeps pace with the times. In this annual report, take a look at the people who shape our university and our successes in teaching, training, research and transfer as well as our strategic cross-cutting issues: digitalisation, sustainability, internationalisation and equality.

Read about our renewed certification as a family-friendly university, about DHBW's research day on the topic of mobility, about the state-wide alumni meeting on Mainau Island, about the great deal of success with third-party funding applications at state and federal level and in Europe, about our nationwide DHBW AI Transfer Congress and about our sustainability strategy developments. And see if you're overwhelmed by how DHBW student numbers have progressed over the last few decades.

I would like to thank you all – each and every one of you – who held up the DHBW flag and contributed to the success and, of course, to quality assurance. I am sure that we are a university that is well positioned for the future. The future is full of cooperation and we are right in the middle of it.

Sincerely Martina Klärle



DHBW at a glance

Since 2011, DHBW has consistently been the university with the most students in the state of Baden-Württemberg. It is among the 20 largest in Germany and from 01/01/2023, it will even be one of the few European Universities.

210,000

ALUMNI
with 10,000 more
every year

12

EMPLOYEES
from 36 nations

2,500

LOCATIONS

Bad Mergentheim, Friedrichshafen, Heidenheim, Heilbronn, Horb, Karlsruhe, Lörrach, Mannheim, Mosbach, Ravensburg, Stuttgart, Villingen-Schwenningen

4

SUBJECT AREAS
Economy, technology,
social affairs, health

350

PARTNER UNIVERSITIES
from 73 countries

53

COURSES

32 accredited bachelor's courses in more than 100 fields of study with 21 professionally integrated, accredited, part-time master's courses

DUAL PARTNER

Cooperating companies
and social and health-
related institutions

No. 1

Transfer university

9,000

33,000

STUDENTS
AT DHBW

33,000 students and 9,000 dual partners make DHBW the largest university in Baden-Württemberg. Together with our dual partners, we qualify more than 10,000 young people every year at twelve locations and thousands of practice locations through a dual bachelor's or master's degree to go on to become specialists and managers.

And more than that: dual academic further education, dual research, dual professorships and dual doctorates strengthen our profile where science meets practice. And we can proudly say that we are the largest and most flexible state transfer university in Germany.



Dual, regional and pretty clever



When DHBW was founded, the state of Baden-Württemberg dared to do something that no other federal state could offer. When DHBW was founded, the state of Baden-Württemberg laid the foundations for the transfer. The young DHBW focuses on how knowledge is applied and how it can develop specialists. It is strongly application-oriented, industry-oriented and company-oriented. Every year, DHBW delights the market with 10,000 highly qualified specialists. If you can accuse DHBW of anything, then it's that it does so in a very understated way. But that's also typical for Baden-Württemberg.

DUAL THROUGH AND THROUGH

The Baden-Württemberg Cooperative State University, including its predecessor organisation, has been a pioneer and a quality leader in dual studies for around 50 years. It is the dual original and the blueprint for an extraordinarily successful, fast-growing study model that is being imitated worldwide and that combines theory and practice in the best possible way. At DHBW, students learn in a unique way: in small, individually supervised groups, at different learning locations, they develop the skills they want that make them successful in the working world. As members of the university, dual practice partners work together with professors to design teaching content that is cutting edge. Dedicated professors, lecturers with practical experience and trainers in companies give high-performing students the best possible start in their professional lives.

REGIONAL IN THE COUNTRYSIDE

With its study academies, DHBW is deeply rooted in the state of Baden-Württemberg's regional areas. It brings universities to places they are needed: rural areas and urban centres. It is a partner for the economic and social development in these regions. Together with its dual partners, it forms close educational and knowledge partnerships locally while developing specialists and retaining them in rural areas. Each DHBW study academy has a unique profile aligned to the regional needs of its partners.

UNIQUE AS A TRANSFER UNIVERSITY IN THE HIGHER EDUCATION SYSTEM

In the diverse university system, DHBW creates special added value with its graduates and their transfer strength. As a unique educational institution, it is a success story in the state of Baden-Württemberg – grown out of the local educational tradition and a special relationship between companies, the university and industry. With system-accredited quality management, the curricular, contractual and organisational networking of learning locations, the demand-oriented range of courses, the reliable course structure in the intensive dual course and the intensive support by dedicated course directors and experienced lecturers with practical experience, DHBW has unique selling points.

SUCCESSFUL FOR STUDENTS AND COMPANIES

9,000 dual partners are successfully developing the next generation of specialists and managers with DHBW. The well-paid course makes it possible for many student pioneers to be the first to graduate in their families. DHBW graduates study particularly quickly, have above-average success and create a safe and smooth transition for themselves into the world of work. Eight out of ten first-year students successfully complete their studies in the standard study period of six semesters. Eight out of ten graduates already have a contract offer before graduating. Many go on to continue their successful educational path with a master's degree and doctorate.

We are European University

In association with eight other dual universities in Europe, DHBW has successfully applied for funding as a 'European University'. The partner universities intend to jointly found the first dual european university under the name 'EU4Dual'. As a worldwide reference for high-quality dual study programmes, this alliance of independent universities aims to spread the successful model of dual studies, intensify international exchange and help to overcome Europe's major challenges through joint projects in teaching, research, training and transfer. These particularly include decarbonisation and digitalisation. The application was convincing with its main topics of 'Future of Work', 'Green Economy' and 'Healthy Living'.

"DHBW has not only grown into the largest university in the state of Baden-Württemberg in just a few years, but also into the largest transfer university in Germany. DHBW combines economy and science to form a symbiotic relationship for transfer. We want to show Europe how this works," stresses DHBW President Prof. Dr. Martina Klärle. "I am particularly pleased that DHBW and its partners have been successful from the very beginning with an application that has been most excellently assessed. Together, we want to take on the great challenges of our time and make Europe more sustainable from an ecological, economic and social perspective."

"Together with our European partner universities, we want to increase the international mobility of our university members, initiate joint research projects and advance the dual study model through joint master's programmes, a micro-credentials platform and dual doctorates," stresses DHBW Vice President Prof. Dr. Peter Väterlein. The EU4Dual consortium leader is Mondragon University in Spain. In addition to the Baden-Württemberg Cooperative State University, seven other European universities are part of the network.

- 📍 **Baden-Württemberg Cooperative State University**
- 📍 **ESTIA School of Advanced Industrial Technologies (France)**
- 📍 **FH Joanneum University of Applied Sciences in Graz (Austria)**
- 📍 **Savonia UAS (Finland)**
- 📍 **John von Neumann University in Kecskemét (Hungary)**
- 📍 **MCAST Malta College of Arts, Science and Technology (Malta)**
- 📍 **Mondragon University (Spain)**
- 📍 **PAR Visoka Poslovna University College (Croatia)**
- 📍 **Koszalin University of Technology (Poland)**



Diversity makes us stronger! More professorships, more women!

DHBW has successfully applied to the Federal Ministry of Education and Research (BMBF) for the federal and state programme entitled 'Funding the recruitment and development of professorial staff at universities of applied sciences' ('UAS staff'). As one of a total of 34 universities in the second selection round in Germany, DHBW will receive around 5 million euros for five years to develop new staff recruitment tools. The core element of the successful application is the establishment of a DHBW Academic Career Center (ACC). The intention is for the ACC to serve as a central information and advice centre for those who are potentially interested in DHBW professorships. This should make the application processes more successful and identify opportunities while lowering the hurdles for applicants. In particular, the goal is for women and people from underrepresented groups to be shown the path to a DHBW professorship and for this path to be opened to them. Prof. Dr. Beate Land from DHBW Mannheim and Prof. Dr. Seon-Su Kim from the Bad Mergentheim Campus at DHBW Mosbach, who are jointly leading the project, explain the importance of the funded project: "Attracting highly qualified professors is crucial for securing the successful future of the university and its graduates but is also one of the biggest challenges. This particularly applies to professorships in the health sector and in rural areas. With this funded project, we will make more people aware of the opportunities a university career brings and support them on their pathway to a professorship," Professor Land says. "We need more professors with different, diverse or atypical life and educational backgrounds who can be role models for our students. At DHBW, we want to help ensure that the opportunities and advantages offered by equality and diversity are anchored not only in everyday university life but also in the industrial and societal environment," says Professor Kim. The Federal Ministry of Education and Research (BMBF) and the federal states are providing a total of more than 430 million euros for the programme as a whole.



Scan here for the video

Equality as a guiding principle

With equality and equal opportunities as its guiding principles, combined with its focus on being family friendly, DHBW is living up to its special responsibility for helping advance the cause of social justice. These principles remain strategically important, action-guiding cross-sectional tasks at all levels, in all structures and in all university decisions. Following on from this starting point, further dimensions and fields of action will be added in the future as part of a diversity strategy. DHBW aims to become even more aware of how diverse its members are. It wants to promote equal participation in university life for everyone – regardless of age, gender, ethnic or social origin, disability, religion or sexual orientation – and to advocate for this diversity in all areas. The intended goal is a cultural change that will lead the organisation and society towards greater equality of participation – including people who have been marginalised until now – as well as raising awareness in the university of the diversity of perspectives.

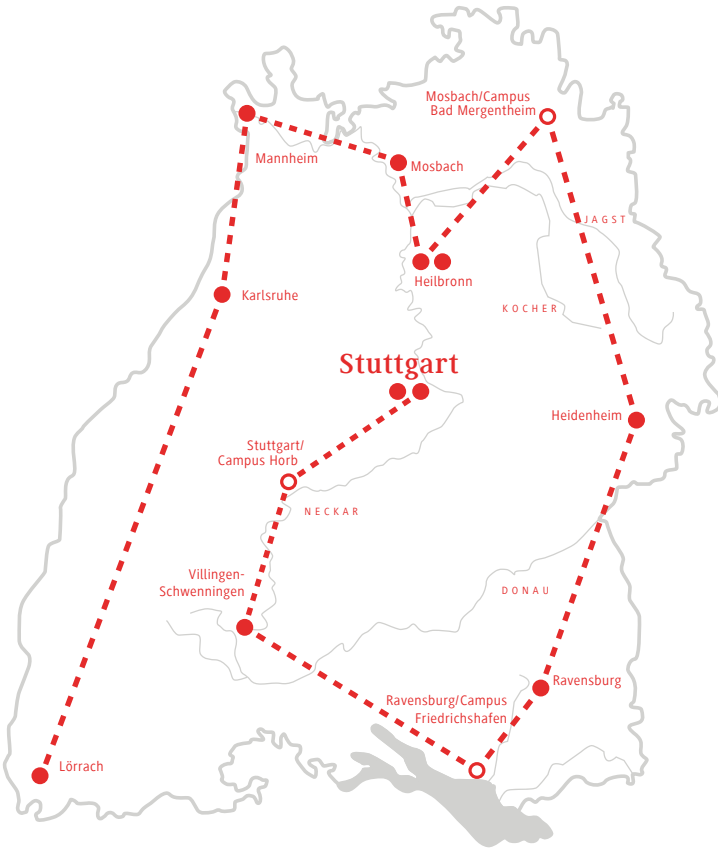
The aim of the development of diversity management is to improve the visibility and attractiveness of DHBW for a diverse range of professors, students, employees, lecturers and managers for the long term. We want to become more attractive as a university and an employer for both students and employees from underrepresented groups. We see this as the basis for creating a future-oriented and competitive place to learn and work, for continuous improvement with respect to courses and as the basis for first-class academic achievement.

DHBW wants to use its participation in the 'Shaping diversity' audit for this purpose. Within a period of three years, it will work on its organisational structures and courses, inviting the participation of various stakeholders who are involved in this issue.

DHBW bands together to set an example for climate protection: Academic Bicycle Challenge 2022

In August 2022, DHBW took to the saddle with gusto and covered a lot of kilometres as part of the Academic Bicycle Challenge (ABC). This challenge is an international cycling competition which spent the time from April to November looking for the most active cycling universities in the world. In August, DHBW had the opportunity to rack up as many kilometres as possible throughout the month. "Together we can show that we're also a good team when it comes to cycling and exemplify sustainability not only at work, but also on our way to work and in our spare time," said passionate cyclist DHBW President Prof. Dr. Martina Klärle.

During the campaign period, all DHBW students and members were invited to combine healthy exercise with practical climate protection and set an example for sustainable mobility. In recent years, over 60 universities from four continents have taken part. DHBW was there for the first time in 2022 and took 9th place in the global ranking with around 7,809 kilometres cycled. "The Academic Bicycle Challenge unites what our university sports are trying to achieve with education, fitness and health and combines all this with climate protection. In my role as a representative of university sports at DHBW, I can only call on you to take part in the challenge and notch up as many kilometres as possible," emphasised Prof. Dr. Stefan Krause before the challenge.



Results and all additional info



Tour de DHBW

HEIDENHEIM			
Founded	1976	Employees	113
Students	2,367	Professors	64
HEILBRONN			
Founded	2010	Employees	121
Students	1,427	Professors	36
KARLSRUHE			
Founded	1979	Employees	189
Students	3,210	Professors	76
LÖRRACH			
Founded	1981	Employees	104
Students	1,932	Professors	54
MANNHEIM			
Founded	1974	Employees	268
Students	5,743	Professors	144
MOSBACH			
Founded	1980	Employees	143
Students	2,694	Professors	68
CAMPUS BAD MERGENTHEIM			
Founded	2002	Employees	35
Students	489	Professors	15
RAVENSBURG			
Founded	1978	Employees	116
Students	1,999	Professors	67
CAMPUS FRIEDRICHSHAFEN			
Founded	1980	Employees	55
Students	1,446	Professors	28
STUTTGART			
Founded	1974	Employees	261
Students	7,021	Professors	155
CAMPUS HORB			
Founded	1990	Employees	32
Students	797	Professors	19
VILLINGEN-SCHWENNINGEN			
Founded	1975	Employees	98
Students	2,433	Professors	58
DHBW CENTER FOR ADVANCED STUDIES			
Founded	2014	Employees	96
Students	1,353	Professors	5

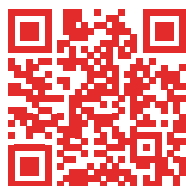
DHBW on the path to becoming a sustainable university

Sustainability plays a key role in DHBW's university development planning and is defined in a strategic goal in the 10-point plan and in DHBW's structure and development plan. For this purpose, all DHBW members were called upon to take part in developing a joint sustainability strategy. Almost 200 people from DHBW teamed up to formulate ideas for sustainable measures and goals in teaching, research and their own infrastructure and university operations.

At DHBW, we will be able to maximise our impact on sustainability if our 10,000 graduates enrich society year after year as ambassadors for sustainability, our Dual Partners work with us to step up when it comes to sustainability, and research findings from the DHBW act as boosters for sustainability in business, technology, social affairs and health.

The establishment of Green Offices at DHBW locations in the 2021/22 academic year will support the process with local sustainability campaigns. It is particularly students who will contribute their views on the development of more sustainable campus life and ideas to promote relevant awareness raising at DHBW.

At the same time, projects for renovating DHBW buildings to improve their carbon footprint were initiated by hiring climate protection managers in the regional associations of financial and building authorities.



Collection of the approx. 60 sustainability projects at DHBW

DHBW AI Transfer Congress

On 23 September 2022, DHBW brought around 350 guests from academics and business together at the Heilbronn educational campus for its first transfer congress on the subject of artificial intelligence. Academics from all university locations and faculties and practical partners from companies including Bosch, EnBW and SAP presented around 60 projects with specific applications.

"When properly applied, artificial intelligence will boost the grand transformation of business, science and society. This applies to digitalisation in an increasing number of areas of life, just as it does to the mobility and heating transition. As the largest transfer university, with 9,000 partner companies, DHBW seems predestined to bring the business and academic worlds together for this major task," said DHBW President Prof. Dr. Martina Klärle at the opening of the first DHBW AI Transfer Congress.

The head of the programme committee, Prof. Dr. Dirk Reichardt from DHBW Stuttgart, was enthusiastic about the quality, number and variety of the research projects and degree theses submitted for the congress and personally presented a project in which DHBW is using artificial intelligence to collect data from the over 10,000 degree theses submitted to it each year, with the aim of identifying important trends.

The topics of the research projects presented over the course of the day ranged from technical solutions for document analysis to robots that learn to applications for social work and elderly care or supervision assistance in swimming pools. Ethical questions of artificial intelligence and negotiating its acceptance in society – a central topic for the Intersectoral School of Governance based at DHBW's Center for Advanced Studies (CAS) – were also part of the programme.

The Best Spotlight Award went to researchers from the Center for Digitalisation and Electrification of Aviation Systems (ZDEL) at DHBW Ravensburg, Friedrichshafen Campus, for their work on artificial intelligence in aviation. The award for the best AI bachelor's thesis went to Jona Ruthardt on the computer science course at DHBW Stuttgart. His topic was 'Automatic Ground Truth Generation for Drivable Corridor Estimation'. The award for the best AI master's thesis, which was entitled 'Deep Learning in the Cloud: Scalable GPU Acceleration with Kubernetes', went to Timo Zerrer from DHBW's Center for Advanced Studies (CAS).



Take a look at the DHBW AI Transfer Congress



Research highlights

Knowledge about artificial intelligence for companies in the region

In the Ministry of Economic Affairs’ ‘Regional AI Labs’ programme, DHBW was the only applicant, with two successful project applications: with the DIANA AI lab, under the leadership of Prof. Dr. Bozena Lamek-Creutz, DHBW Mannheim is contributing its expertise in automation technology, Industry 4.0 and data science to the metropolitan region. The lab is geared towards use cases in factory and process automation and will highlight possible uses of big data in an entrepreneurial context. DHBW Stuttgart’s new interdisciplinary AI support platform for medium-sized companies (KISMi) under the leadership of Prof. Dr. Dirk Reichardt and Prof. Dr. Thomas Kessel covers topics from machine learning to investigating societal impact. The AI activities of the university’s existing knowledge centres are being integrated, expanded and focused on SMEs.

Research data management for successful knowledge transfer

A continuously growing volume of research data is being generated in more and more disciplines and a diverse range of research contexts. As the scope increases, so too do the requirements for the professional collection, processing and archiving of research data. The ‘FDM@DHBW’ project funded by the BMBF focuses on the framework conditions and potential of research data management at DHBW. Together with colleagues from DHBW Stuttgart and Karlsruhe, Prof. Dr. Harald Kornmayer is developing processes to make it possible to provide research data management as a service at DHBW. The BMBF is funding the project with a total of around 450,000 euros spread over three years.

Learner-Centric Advanced Manufacturing Platform for CoVEs – LCAMP

Under the leadership of Prof. Dr. Günter Käßer-Pawelka, DHBW Heilbronn was awarded the LCAMP project. LCAMP brings together a group of 21 organisations from European and non-European regions in which Advanced Manufacturing (Industry 4.0) is a top priority. These organisations are represented by various representatives: vocational training centres, university centres, companies, regional governments, research and development centres, business associations, clusters and a European association of regional governments. On a joint platform, the partners are establishing a network to develop and exchange micro-certificates, to develop new learning methods relevant in the context of Industry 4.0, to cooperate in applied research and to offer services for SMEs, to name a few examples.

Establishing an institutional outpatient clinic at the University of Dohuk

The goal of the institutional outpatient clinic led by Prof. Dr. Dr. Jan Ilhan Kizilhan, which is being set up at the Institute for Psychotherapy and Psychotraumatology (IPP) at the University of Dohuk/Northern Iraq, is to offer free immediate therapeutic help to people traumatised by having to leave their homes and by war. The institution’s outpatient clinic is being funded by the state ministry to the tune of around 94,000 euros and comes in the wake of the training structure that has already been established at the IPP. The work done in the outpatient clinic is to be scientifically led and evaluated by the IPP.

More efficient moulding processes for plastics

A new type of thermal process is being developed in the ZIM project ‘ThermEqual’, which is being funded to the tune of 220,000 euros. At DHBW Karlsruhe, Prof. Dr. Axel Kauffmann and his colleague Florian Schwär (research innovation programme) are studying the material behaviour of common thermoforming plastics when exposed to local heating and, based on this, determining optimal temperature profiles for homogeneous material distribution. The project is taking place in cooperation with industrial partners Indula GmbH and Plastec GmbH.

Joint research on smart aircraft cabins

One important future question, to which the i+sCabin2.0 (intelligent and smart cabin operation) research project, funded by the Federal Ministry for Economic Affairs and Climate Action (BMWK), is dedicated, concerns the exchange of data obtained from the cabin during flights with ground stations and its automatic evaluation with the help of AI. As part of a large consortium, DHBW Ravensburg, Friedrichshafen Campus, is researching an approach for model-based systems engineering. The goal of the Ravensburg researchers led by Prof. Dr. Thomas Mannchen is the further development and testing of model-based systems engineering methodology to support the development and certification process for complex technical aircraft systems.



News about FIT activities

Doctorates at DHBW

The 71 doctoral projects at DHBW are being carried out together with universities with the right to award doctorates. Almost 40 of these doctoral projects are being funded as part of DHBW’s own Innovation Programme for Research, which is supporting the development of academic staff at DHBW to expand research capacity.



8 Heidenheim, 3 Heilbronn, 10 Karlsruhe, 6 Lörrach, 12 Mannheim, 8 Mosbach, 7 Ravensburg, 12 Stuttgart, 5 Villingen-Schwenningen

0.000455925436x the area of Baden-Württemberg

1,638,191x the surface area of a DHBW certificate

DHBW covers 36% of the area of Mainau Island

8.6x the area of the Office of the Federal Chancellor

16.3x the area of the Stuttgart Airport terminal

23 football fields

Our DHBW in numbers

We will be showing you a lot of numbers for DHBW over the next twelve pages. Many of these can be expected in an annual report, but others might amaze you or even put a smile on your face. DHBW calls twelve locations and a total of 65 buildings home, covering a main usable area of 163,000 square metres. This equates to:

Employees – our most valuable resource

	Female	Male	Total	Change compared to previous year
Professor*innen	166	625	791	+ 1.8 %
davon Studiengangsleitungen	72	312	382	+ 0.5 %
Akademische Beschäftigte	95	67	162	+ 11.7 %
Studentische und wissenschaftliche Hilfskräfte	57	62	119	- 0.1 %
Verwaltung	1,010	153	1,163	+ 0.7 %
Technischer Dienst	32	237	269	+ 1.1 %
Auszubildende	12	12	24	0.0 %
Gesamt	1,372	1,156	2,528	
Leitungsebene zentral (Präsidium)	4	11	15	0.0 %
Leitungsebene dezentral	4	19	23	- 0.04 %
Verwaltungsdirektor*innen	5	3	8	+ 14.3 %

As of 01/09/2022

	Female	Male	Total
CAS	114	404	518
Heidenheim	245	482	727
Heilbronn	153	370	523
Karlsruhe	258	842	1,100
Lörrach	113	382	495
Mannheim	342	1,304	1,647
Mosbach	160	712	872
Bad Mergentheim	52	140	192
Ravensburg	270	550	820
Friedrichshafen	42	393	435
Stuttgart	779	1,750	2,530
Horb	33	299	332
Villingen-Schwenningen	290	477	767

Fields of study for each location

	Business	Technology	Social affairs	Health
HDH	•	•	•	•
HN	•			
KA	•	•		•
LÖ	•	•		•
MA	•	•		•
MOS	•	•		
MGH	•	•		
RV	•			
FN		•		
S	•	•	•	•
Horb		•		
VS	•		•	

More than 10,000 lecturers – a guarantee for practical relevance

Lecturers are the backbone of DHBW teaching staff. They guarantee practical relevance and are an indispensable building block of our transfer university. They apply experience from their companies directly to their teaching and are always in touch with the latest trends. A very special thank you goes out to all of them – to a total of over 10,000 experts who are passionately committed to working for our students.

Students at DHBW

With 32,911 students, DHBW is the largest university in the state of Baden-Württemberg.

BACHELOR’S STUDENTS BY FIELD OF STUDY – 2021/22

	Male	Female	Total	Percentage of field of study
Wirtschaft	9,186	8,712	17,898	56.7%
Technik	8,368	1,694	10,064	31.9%
Sozialwesen	513	1,947	2,460	7.8%
Gesundheit	119	1,017	1,136	3.6%
Total bachelor’s students	18,186	13,370	31,558	100.0%

As of 01/10/2021

DHBW CAS MASTER’S STUDENTS BY FIELD OF STUDY – 2021/22

	Male	Female	Total	Percentage of field of study
Wirtschaft	370	246	616	45.5%
Technik	523	100	623	46.0%
Sozialwesen	35	79	114	8.4%
Total master’s students	928	425	1,353	100.0%

As of 01/10/2021

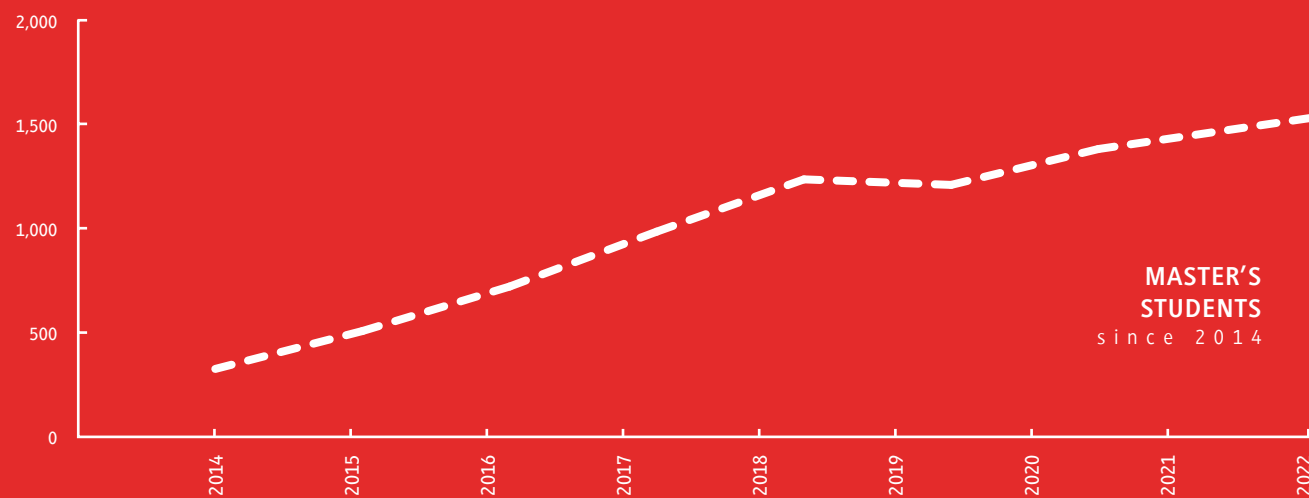
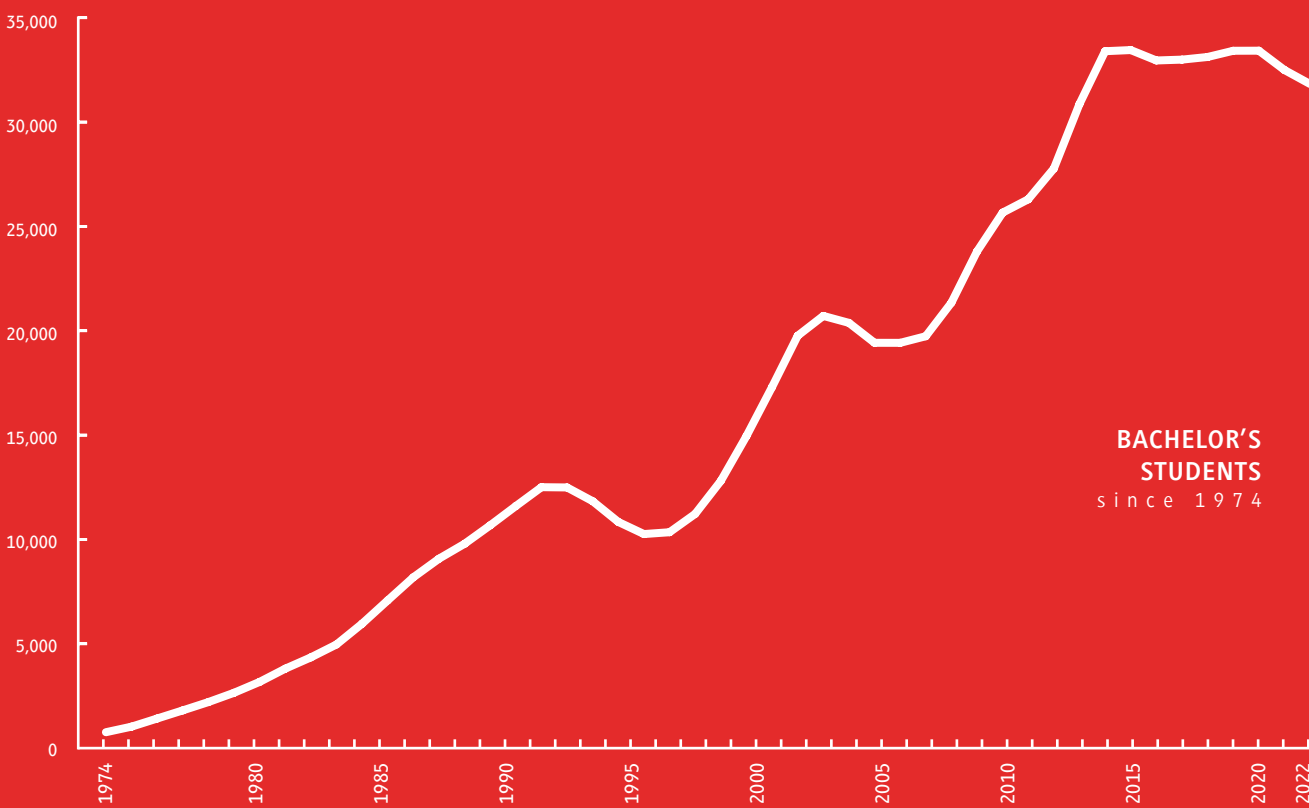
DHBW STUDENTS BY LOCATION – 2021/22

Heidenheim	2,367	7.5%
Heilbronn	1,427	4.5%
Karlsruhe	3,210	10.2%
Lörrach	1,932	6.1%
Mannheim	5,743	18.2%
Mosbach	2,694	8.5%
Bad Mergentheim	489	1.5%
Ravensburg	1,999	6.3%
Friedrichshafen	1,446	4.6%
Stuttgart	7,021	22.2%
Horb	797	2.5%
Villingen-Schwenningen	2,433	7.7%
Total bachelor’s students	31,558	100%

DHBW CAS	1,353	100%
Total master’s students	1,353	100%

As of 01/10/2021

Our success speaks for itself. Our study concept is in demand. DHBW produces the most bachelor’s graduates in Germany every year and we keep on growing. Together with our Dual Partners, we live up to our responsibility for developing valuable specialists. 31,558 DHBW bachelor’s students are enrolled for the 2021/2022 academic year, including 11,053 first-year students. 1,353 students are studying for a master’s degree, of whom 505 are first-year students.



The field of study of business

A total of **17,898 bachelor’s students** are studying 7 courses in 38 fields of study in the business faculty at nine DHBW locations. At DHBW CAS, there are twelve master’s programmes in the business field, with 616 students. The Chairperson of the Business Expert Commission is Prof. Dr. Otto Weidman. His deputy is Thomas Wagner. The managing directors are Prof. Dr. Florian Lohmann, Prof. Dr. Gregor Hopf and Prof. Dr. Boris Kuehnle.



” DHBW currently offers 41 bachelor’s degree programmes in the business faculty, with around 18,000 students enrolled. The courses in business administration, with 23 fields of study and over 4,000 graduates, and business information systems, with almost 1,000 graduates, are the biggest courses in their subject areas in the country. DHBW CAS also offers 12 advanced master’s courses in the business faculty. “

Prof. Dr. Otto Weidmann, Chairperson of the Business Expert Commission

BACHELOR

Betriebswirtschaftslehre	67%
Bank	
Controlling & Consulting	
Deutsch-Französisches Management	
Dienstleistungsmanagement	
Digital Business Management	
Digital Commerce Management	
Finanzdienstleistungen	
Food Management	
Gesundheitsmanagement	
Handel	
Handwerk	
Immobilienwirtschaft	
Industrie	
International Business	
Marketing Management	
Medien- und Kommunikationswirtschaft	
Messe-, Kongress-, und Eventmanagement	
Öffentliche Wirtschaft	
Personalmanagement	
Spedition, Transport und Logistik	
Technical Management	
Tourismus, Hotellerie und Gastronomie	
Versicherung	
International Business Management Trinational	1.6%
Medien	2.7%
Digitale Medien	
Mediendesign	
Online Medien	
Rechnungswesen, Steuern, Wirtschaftsrecht	9%
Accounting & Controlling	
Betriebswirtschaftliche Steuerlehre, Unternehmensrechnung und Finanzen	
Steuern und Prüfungswesen	
Wirtschaftsprüfung	
Unternehmertum	0.6%

Wein-Technologie-Management	0.3%
Wirtschaftsinformatik	18.8%
Application Management	
Business Engineering	
Data Science	
E-Government	
E-Health	
International Management for Business and Information Technology	
Sales & Consulting	
Software Engineering	

MASTER

Accounting, Controlling, Taxation**	6.5%
Digital Business Management**	4.4%
Finance**	3.6%
General Business Management**	8.8%
Marketing**	3.1%
Master in Business Management*	31%
Accounting, Controlling & Steuern	
Finance	
General Business Management	
Marketing	
Medien und Marketing	
Personal und Organisation	
Supply Chain Management, Logistik und Produktion	
Master of Business Administration**	1.8%
Media and Data-driven Business**	1.8%
Personalmanagement und Wirtschaftspsychologie**	4.4%
Sales**	1.8%
Steuern, Rechnungslegung, Prüfungswesen	6.6%
Supply Chain Management, Logistics, Production**	2.7%
Wirtschaftsinformatik	23.5%

* expiring
** These 10 courses were developed from the earlier course Master in Business Management and offered by the CAS since 01/04/2021.

Wirtschaftsinformatik

General Business Management

Spedition, Transport und Logistik

Betriebswirtschaftslehre

Steuern, Rechnungslegung, Prüfungswesen

Handel

Bank

Digital Commerce Management

Digital Business Management

International Business

Marketing Management

Medien- und Kommunikationswirtschaft

Finance

E-Health

Handwerk

International Business Management

Trinational

Supply Chain Management, Logistics, Production

Master in Business Management

Gesundheitsmanagement

Öffentliche Wirtschaft

Versicherung

Wein-Technologie-Management

Wirtschaftsinformatik

Tourismus, Hotellerie und Gastronomie

Rechnungswesen, Steuern, Wirtschaftsrecht

Deutsch-Französisches Management

Steuern, Wirtschaftsrecht

Digital Business Management

Technical Management

International Management for Business and Information Technology

Finanzdienstleistungen

Dienstleistungsmanagement

Supply Chain Management, Logistik und Produktion

Industrie

Messe-, Kongress-, und Eventmanagement

Application Management

Medien

Accounting, Controlling und Steuern

Food Management

Sales

Immobilienwirtschaft

Personal und Organisation

Data Science

Unternehmertum

Business Engineering

Betriebswirtschaftliche Steuerlehre, Unternehmensrechnung und Finanzen

Controlling & Consulting

Sales & Consulting

Mediendesign

Accounting & Controlling

Software Engineering

Steuern und Prüfungswesen

Wirtschaftsprüfung

Personalmanagement und Wirtschaftspsychologie

The field of study of technology

A total of **10,064 bachelor's students** are studying in 14 courses in 53 fields of study in the technology faculty at seven DHBW locations. At DHBW CAS, there are five master's programmes in technology with 623 students. The Chairperson of the Technology Expert Commission is Prof. Dr. Joachim Frech. His deputy is Steffen Quadt. Prof. Dr. Claus Mühlhan is the Managing Director.

BACHELOR

Bauingenieurwesen	5.3%
Fassadentechnik	
Öffentliches Bauen	
Projektmanagement	
Chemische Technik	0.4%
Chemie- und Bioingenieurwesen	
Technische und Angewandte Chemie	
Elektrotechnik	15%
Automation	
Elektrische Energietechnik	
Elektronik	
Energie- und Umwelttechnik	
Fahrzeugelektronik	
Medizintechnik	
Nachrichtentechnik	
Embedded Systems	0.4%
Aerospace Engineering	
Automotive Engineering	
General Engineering	
Holztechnik	0.9%
Holz- und Kunststofftechnik	
Holztechnik	
Wirtschaftsingenieurwesen Holztechnik	
Informatik	23.9%
Angewandte Informatik	
Cyber Security	
Informatik	
Informationstechnik	
IT Automotive	
Medizinische Informatik	
Integrated Engineering	1.2%
Projekt Engineering	
Service Engineering	
Luft- und Raumfahrttechnik	1.2%
Luft- und Raumfahrtelektronik	
Luft- und Raumfahrtsysteme	
Maschinenbau	21.8%
Allgemeiner Maschinenbau	

MASTER

Elektrotechnik	6.1%
Informatik	15.1%
Integrated Engineering	19.3%
Maschinenbau	18.4%
Wirtschaftsingenieurwesen	41.1%



Over 10,000 students are currently enrolled on the 54 courses currently offered in DHBW's technology field of study. The more than 3,000 graduates from bachelor's and master's courses every year are very much appreciated by our Dual Partners as strongly performing new employees. In the future, we will continue to work with companies in the Technology Expert Commission to develop innovative dual courses and further training so that we will continue to be a leading partner in lifelong learning.

Prof. Dr. Joachim Frech, Chairperson of
the Technology Expert Commission
and Director of DHBW CAS



The field of study of social affairs

A total of **2,460 bachelor’s students** are studying in two courses in 16 fields of study in the social affairs faculty at three DHBW locations. At DHBW CAS, there are four master’s programmes in social affairs with 114 students. The Chairperson of the Social Affairs Expert Commission is Prof. Dr. Paul-Stefan Roß. His deputy is Thomas Feistauer. Prof. Dr. Michael Batz is the Managing Director.

BACHELOR

Soziale Arbeit	95.5%
Arbeit - Integration - Soziale Sicherung	
Bildung und Beruf	
Case Management im Sozial- und Gesundheitswesen	
Erziehungshilfen/ Kinder- und Jugendhilfe	
Jugend-, Familien- und Sozialhilfe	
Kinder- und Jugendarbeit	
Kinder- und Jugendhilfe	
Netzwerk- und Sozialraumarbeit	
Soziale Arbeit - Psychische Gesundheit und Sucht	
Soziale Arbeit im Gesundheitswesen	
Soziale Arbeit in der Elementarpädagogik	
Soziale Arbeit in Pflege und Rehabilitation	
Soziale Arbeit mit älteren Menschen / Bürgerschaftliches Engagement	
Soziale Arbeit mit Menschen mit Behinderung	
Soziale Dienste in der Justiz	
Sozialmanagement	
Sozialwirtschaft	4.5%

MASTER

Digitalisierung der Sozialen Arbeit	4.4%
Governance Sozialer Arbeit	52.6%
Soziale Arbeit in der Migrationsgesellschaft	26.3%
Sozialplanung	16.7%



” Around 2,500 young people are studying at DHBW in one of the 16 fields of study in the social work course and in the social economy course. We are now training 8% of all new social work graduates in the country at DHBW. The master’s portfolio – organised via DHBW CAS – was further enriched on 1 October 2021 with the addition of the new master’s course entitled Digitalisation in social work. “

Prof. Dr. Paul-Stefan Roß, Chairperson of the Social Affairs Expert Commission



The field of study of health

A total of **1,136 bachelor’s students** are studying in 9 courses in the health faculty at five DHBW locations. Since 1 October 2021, DHBW has been offering an undergraduate primary qualifying course in midwifery in accordance with the new Midwifery Act (Hebammengesetz) in addition to the integrated training course. This dual course has a theoretical and practical element, where each element makes up 50% of the course. The practical midwifery training takes place at one of the Dual Partner clinics and theoretical training takes place only at the university. The Chairperson of the Health Expert Commission is Prof. Dr. Anne Simon. Her deputy is Gabriele Hönes. Katrin Heeskens is the Managing Director.

BACHELOR

Angewandte Gesundheits- und Pflegewissenschaften	29.4%
Angewandte Hebammenwissenschaft	9.1%
Angewandte Hebammenwissenschaft - Hebammenkunde	20.6%
Angewandte Hebammenwissenschaft - berufsintegrierend	7.1%
Angewandte Pflegewissenschaft	7.7%
Physician Assistant	12.1%
Interprofessionelle Gesundheitsversorgung	5.9%
Medizintechnische Wissenschaften	4.8%
Physiotherapie	3.3%



” Health is the newest and fastest growing field of study. Over 1,000 students are enrolled in one of the nine health courses at DHBW. We are pleased that our flexible portfolio is attracting young professionals and those who already have professional qualifications. The primary qualifying dual midwifery course, which is now running throughout Germany and replaces midwifery training, was also originally developed at DHBW. “

Prof. Dr. Anne Simon, Chairperson of the Health Expert Commission

Interprofessionelle Gesundheitsversorgung

Angewandte Hebammenwissenschaft

Physiotherapie

Angewandte Hebammenwissenschaft
- berufsintegrierend

Angewandte Gesundheits-
und Pflegewissenschaften

Medizintechnische
Wissenschaften

Angewandte Hebammenwissenschaft
- Hebammenkunde

Physician Assistant

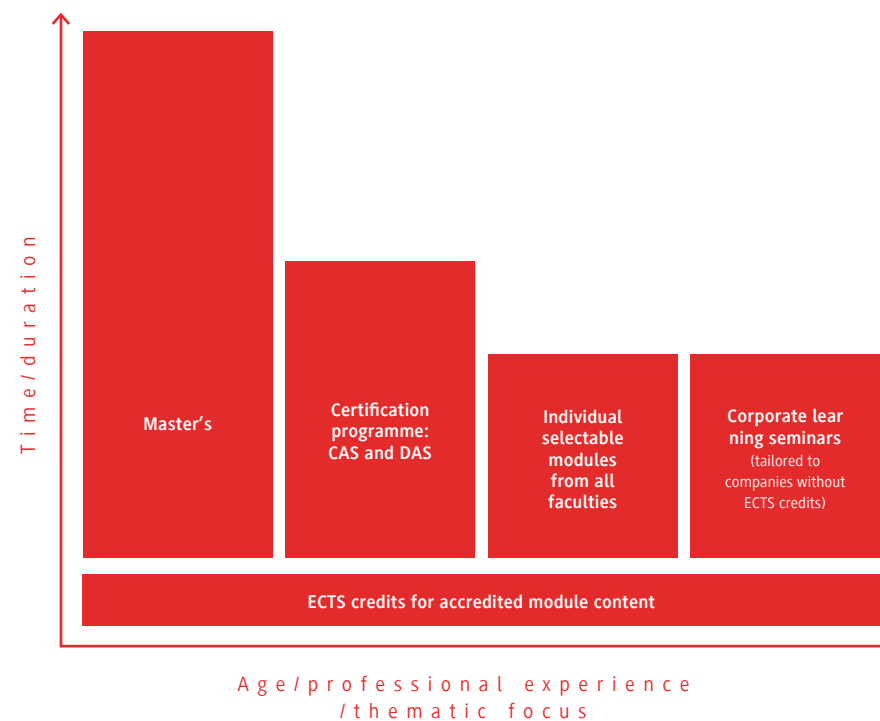
Angewandte Pflegewissenschaft

Academic further education at DHBW CAS

individual, flexible, dual

DHBW's academic further education is pooled, designed, coordinated and implemented in cooperation with all DHBW locations at the Center for Advanced Studies (DHBW CAS), DHBW's further education institution. "Individual, flexible, dual" – these are the characteristic features of teaching and learning at and with DHBW CAS.

Fig.: DHBW CAS partner for lifelong learning



DHBW President Klarle on a visit to DHBW CAS. (from left): Prof. Dr. Andreas Föhrenbach, Dean of Technology at DHBW CAS; Dr. Wolf Bonsiep, Chairperson of the CAS Council; Prof. Dr. Martina Klärle, DHBW President; Prof. Dr. Doris Ternes, Head of the ZHL; Prof. Dr. Paul-Stefan Roß, Dean of Social Affairs and Deputy Director; Prof. Dr. Joachim Frech, Director; Chris Neumann, Administrative Director; Prof. Dr. Boris Alexander Kühnle, Dean of Business. Prof. Dr. Monika Gonser, Head of the ISOg, is not pictured.

DHBW CENTER FOR ADVANCED STUDIES

DHBW CAS offers many solutions that can be flexibly combined, from targeted training on a specific topic to a broader range of certificate programmes and a complete master's degree: 25 dual master's courses, 57 subject-specific certificated programmes (including the Intersectoral School of Governance [ISOg]'s Future Skills and the Executive Programme) and more than 350 individual freely selectable modules are part of the portfolio. In the 2021/22 academic year, 509 students started a master's degree and 893 events were booked for certificates and as individual events. In addition, DHBW CAS supports companies and organisations as a partner for lifelong learning (LLL) with individual, tailored further education solutions. Last year, DHBW CAS became Audi Sport's corporate learning partner for electromobility.

INTERNAL TRAINING AT DHBW CAS

The CAS Center for Higher Education Didactics and Lifelong Learning (ZHL) has also been active in the past 12 months, having offered numerous further education opportunities in the areas of university didactics and staff development for DHBW employees.

DHBW CAS COLLABORATIONS AND PROJECTS

DHBW CAS also works on and in various collaborations and projects on the subject of training. DHBW CAS's offer is partly AZAV-certified by the state employment agency as part of employee qualification. This means that participation in these events can be funded by the employment agency. DHBW has also been part of the state of Baden-Württemberg's Weiter.mit.Bildung@BW training campaign since 2021, especially in the 'University weiterbildung@BW' project. Thanks to this project, DHBW CAS's offer was placed on the 'südwissen' (nationwide) and 'hoch&weit' (nationwide) platforms. This integration made it possible to improve the reach and visibility of the individual offerings.

DHBW international

BMBF and the German Academic Exchange Service (DAAD): DHBW German/Turkish exchange project

In the ‘HAW.International’ programme, the DAAD draws on funds from the Federal Ministry of Education and Research (BMBF) to support the internationalisation of dual universities and universities of applied sciences. DHBW’s cross-location project, ‘Improving employability through enhanced international mobility’ is being funded to the tune of almost one million euros over a four-year period from 2019 to 2023. The Mannheim, Karlsruhe, Ravensburg and Mosbach locations are active in cooperation with the DHBW Presidium in the following sub-projects:

- Expansion of English language courses through the increased use of foreign lecturers
- Development of English language online modules (open educational resources)
- Development of a ‘mobility portal’
- Development and expansion of joint practice-oriented projects

At the start of May 2022, a group of students from the Turkish-German University visited DHBW Mannheim. The programme for the visit was organised by Prof. Dr. Hulusi Bozkurt, director of the sub-project for the development and expansion of joint practice-oriented projects. In collaboration with students from DHBW Mannheim last semester in Istanbul, an outlet valve was developed which the students subjected to a thorough design review in the mechanical engineering course’s newly inaugurated co-learning space. They also carried out some brainwriting to look for other exciting topics for future design studies. The visit was rounded off by a get-together, an excursion to the John Deere company and a short cultural programme in Heidelberg.



Students and employees of the preparatory college with (from left): Dr. Manfred Wittenstein, Mayor Udo Glatthaar, Principal Prof. Dr. Gabi Jeck-Schlottmann, President Prof. Dr. Martina Klärle, Head of Campus Prof. Dr. Seon-Su Kim, Ralf Sturm (ebm-papst) and Project Manager Prof. Dr. Axel Gerloff



Preparatory college under construction

In the summer of 2022, 25 international applicants from Egypt, Bolivia, India, Indonesia, Iran, Yemen, Cape Verde, Morocco, Nepal, Peru, Sudan, South Korea, Tajikistan, Ukraine, Uruguay and Vietnam were selected in a two-stage process to take part from Autumn 2022 in a two-semester technical, linguistic and cultural preparatory course for the dual study programme at DHBW Mosbach’s Bad Mergentheim Campus. This programme, which has in the first instance officially been launched as an extension of the Konstanz preparatory college, prepares prospective international students without a university entrance qualification for technical courses. DHBW is responding to the fact that small and medium-sized companies are having increasing difficulties in filling the course places offered with German high school graduates and working to compensate for the lack of strong applicants for these courses. However, as shown by the generous donation from Porsche, large companies and regional financiers are also interested in recruiting international dual students as future specialists.

The establishment of a preparatory college is part of DHBW’s internationalisation strategy, the primary goal of which is to strengthen the state’s innovative and competitive abilities. The needs of the Dual Partners are particularly concentrated in the computer science, applied computer science and electrical engineering courses, in which qualified

junior staff are trained to overcome the challenges of digital transformation. The preparatory college offers technology courses which allow participants to study in the above-mentioned courses after successfully completing the one-year university preparatory course and signing a study contract. Of the 25 selected participants, 16, i.e. almost two-thirds, have the goal of obtaining a computer science degree. As such, the international applicants are interested in courses in which the demand for young professionals is highest and where study places have so far remained unfilled.

The preparatory college is helping to strengthen the international profile of DHBW within the German university landscape by increasing the number of dual students with an international background and embedding it in the internationalisation strategy. It is making an important contribution to reducing the asymmetry between high outgoing numbers with peak values compared to other universities in Baden-Württemberg and the extremely low proportion of international undergraduate students in the total student body at DHBW. The nationwide establishment of contacts with Dual Partners is a DHBW-specific component of the one-year university preparatory course. As part of the cross-location approach, there are excursions to companies in various regions of Baden-Württemberg, especially in rural areas.

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