



NEW STUDY COMPUTER SCIENCE

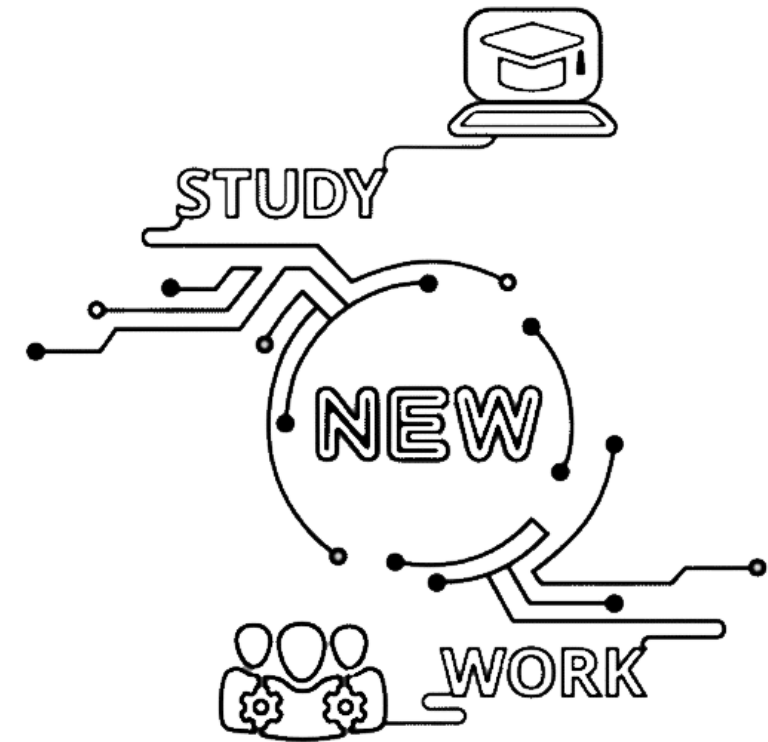
Online Bachelor Study Program (B.Sc.)

New Work – New Ways – New Study Model

The model New Study bridges the gap between study and the new world of work. It opens up the path to a successful future for students for whom in-class study has not been an option so far. Students can create their own learning spaces without moving their centre of life and still be part of the virtual community that develops the expertise, new skills and leadership qualities needed for New Work.

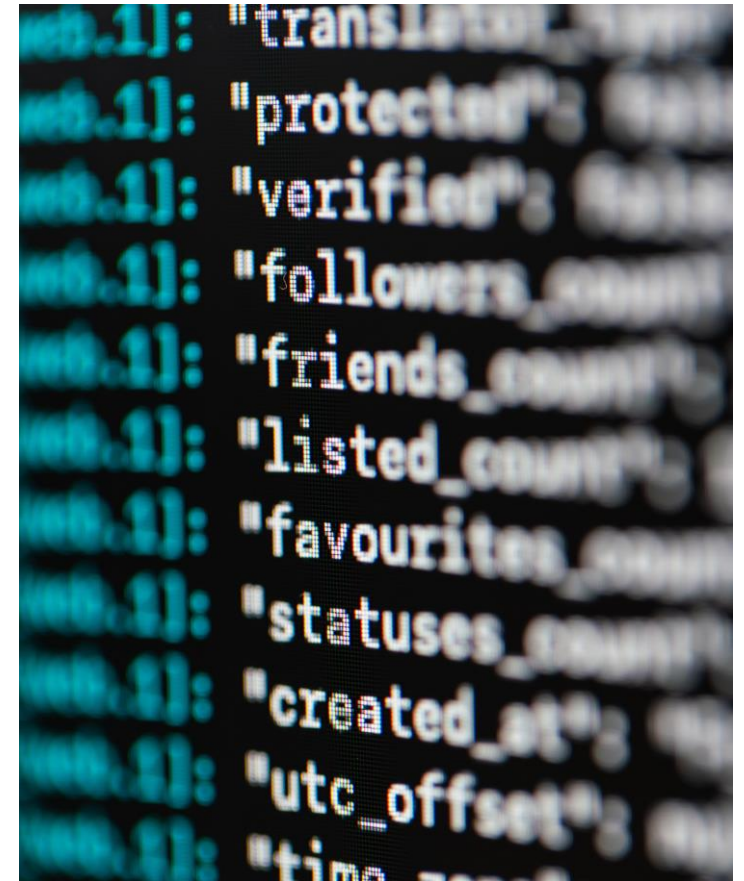
The courses of the online bachelor's program are held in English.

For accessibility, diversity, internationalisation and equal opportunities.



We are building the future - with natural and artificial intelligence

Lifelong learning and meaningfulness are increasingly coming into focus. Students should therefore also acquire the ability to analyse situations and help themselves.



Study Schedule

1st year

Mathematics I
Theoretical Computer Science I, II
Programming
Key Skills I, II
Computer Engineering
Web Engineering
Work Integrated Project I
Computer Science Project I

2nd year

Mathematics II
Theoretical Computer Science III
Software Engineering I
Database Systems
Computer Engineering II
Communication and Networks
Web Engineering II
Elective Module I
Work Integrated Project II
Computer Science Project II

3rd year

Software Engineering II
IT-Security
Databases
Big Data Architectures
Data Science
Artificial Intelligence and Machine Learning
Human Machine Interaction
Elective Module II
Work Integrated Project III
Student Research Project
Bachelor Thesis

The Dual Original

■ Interlocking of Theory and Practice

This new Bachelor Degree Program involves about three-monthly study terms that take place online and which alternate with internship terms of about the same length. A course of study at the DHBW lasts three years (six semesters). The theoretical content is composed on the basis of the requirements in practice and the entire training program and is fine-tuned after consultation with Dual Partners. This communication ensures that the students will receive a well-rounded education. Students obtain academic degrees and, in addition, the theoretical material covered is further supplemented and consolidated via practical experience.



The Dual Original

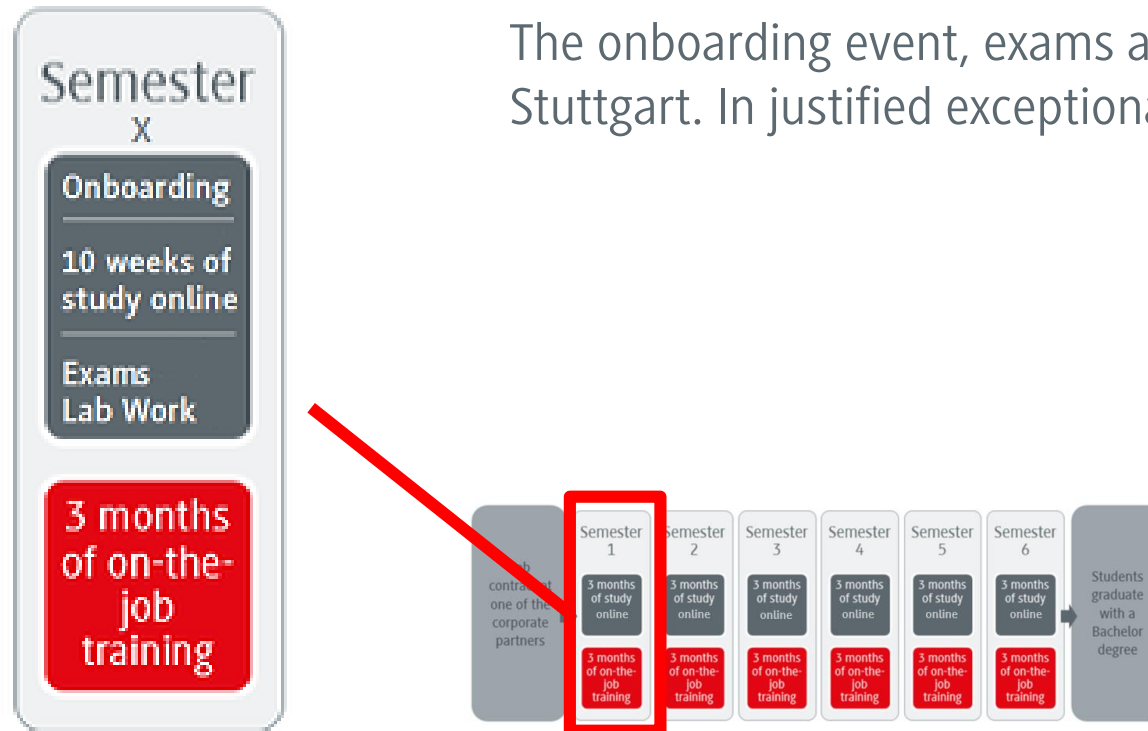
Condensed Learning

DHBW Bachelor Degree Programs have been awarded the maximum of 210 ECTS Credits due to condensed learning plus synergy effects through dovetailing of theory and practice. Moreover, small classes of about 30 students guarantee close supervision. The period of study is highly concentrated and effective, providing graduates with a very broad experience of professional practice that will enable them to find a footing in working life quickly and easily. Besides attaining specialist knowledge required for their future professions, students have the chance to acquire a high degree of social competence.



The Dual Original

Condensed Learning



The onboarding event, exams and laboratory work take place in Mosbach or Stuttgart. In justified exceptional cases, online participation is also possible.

The Dual Original

Financial Independence

Students possess an employment contract involving monthly salary throughout the entire study period of three years and insurance status of normal employees. Thus, anyone pursuing a course of study at the DHBW is, at the same time, a company trainee. Throughout the duration of his or her studies, the undergraduate will be receiving a monthly income from this company and will therefore be able to concentrate fully on the required course work.



Online Teaching Experience

Baden-Wuerttemberg Cooperative State University (DHBW) has shown that online teaching has been successful during the pandemic and that students wish for more hybrid or online learning formats. Most people have literally celebrated the end of the pandemic as the return to normal everyday life. However, there are also groups in society for whom this daily routine is quite challenging. Those people would never have considered to study, despite their skills and willingness to learn and join the modern working world. For different reasons, these people are not able to change their centre of life and move to another place for studying. The New Study Online Bachelor Program Computer Science offers the possibility to become part of a dedicated, international team that meets on a virtual campus – everyone from his or her own desired learning location. Students overcome the boundaries set by personal or family circumstances to strengthen diversity, inclusion and equal opportunities.



Studying Online

The new study model adopts the DHBW-specific dual intensive study program, following the tried and tested module structure of the computer science program at DHBW Stuttgart under the direction of Prof.in Kay Berkling (DHBW Karlsruhe), supported by Prof Dirk Saller (DHBW Mosbach) and Prof.in Carmen Winter (DHBW Stuttgart). All New Study courses are held in English, including key qualifications like time management, goal setting, progress measuring, finding appropriate learning methods, controlling distractions and building self-confidence. The program is constantly evaluated and engages experienced lecturers who offer mixed methods, group work and are flexible to easily adapt to new situations.



Studying Online

Thanks to the virtual learning spaces, the contact times between lecturers and students are not bound to the usual office hours.

The students can actively shape these learning spaces. Part of the education is the safe handling of core technologies such as social networks, video conferencing and learning platforms. In this way, new students can benefit from the experience of graduates in the future and at the same time establish contacts with participants from previous cohorts, as the members of the learning spaces can stay in contact beyond their studies.

As this is a cooperation project, the program benefits from more elective courses and networking between online and in-class students.



ABOUT US

Find out more about DHBW Dual Study Concept:
<https://www.mosbach.dhbw.de/en/international-office/international/about-us/#c3006>

Find out more about Kay Berkling:

<https://www.mosbach.dhbw.de/detail/prof-dr-kay-margarethe-berkling/>

<https://www.researchgate.net/profile/Kay-Berkling>

<https://de.linkedin.com/in/kay-berkling-prof-in-426785b1>

#NewStudyDHBW

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