



Bachelor of Engineering

Audio and Video

Profile

The bachelor's programme Audio and Video, originally evolved from the former, renowned study programme in sound engineering. It combines

- individual instrument or vocal classes at Robert Schumann Hochschule Düsseldorf (RSH) university of music
- with the technical fundamentals required for professional practice in the field of audio and video recordings.

This makes the programme unique in Germany.

The programme focuses on technology and science as well as creativity, design and art theory. At HSD, we teach you the technical skills, whilst RSH provides the artistic and musical qualification. This is why the artistic, musical aptitude test, which is an admission requirement, takes place at [RSH](#).

The programme combines a broad range of subjects: classical music recording meets media composition, musicology meets physics, communications engineering meets multi-camera production.

The technical part contains traditional engineering topics such as mathematics and physics, but also subject-specific elements such as sound engineering. The artistic, creative part includes musicology and design elements alongside musical instrument classes.

The formerly quite narrowly defined discipline has broadened. It now includes various combinations where a technical background is as important as a confident understanding of aesthetic categories to develop innovative solutions.

Please note: The language of instruction is mainly German.

Career Options

The programme offers you a classic sound or video engineering qualification. However, it can also serve as a first professional qualification for numerous other professional fields related to media – thanks to the diverse syllabus.

Possible areas of employment include:

- Audio recording
- Music informatics
- Development and distribution of audio and video technology
- Manufacturing of electronic musical instruments
- Software development
- Music production
- Event realisation
- Sound systems
- Room and building acoustics
- Noise protection
- Film soundtracks and film mixing
- Computer game design
- Audio and video editing
- Outside sound and TV broadcasting
- Studio engineering (audio and video)
- Sound in science and research
- Media production and design
- 3D audio, 3D video and virtual reality
- Theatre engineering
- Music composition
- Artistic sound design
- Industrial sound design
- Vehicle acoustics

Admission Requirements

Please check if you meet all requirements for admission to the study programme. Further information:

medien.hs-duesseldorf.de/btub-en

SYLLABUS

SEMESTERS 1-2

- Mathematics
- Physics
- Practical Training: Physics
- Basics of Sound Production
- Basic Audiovisual Design
- Instrument / Voice
- Music Theory

SEMESTERS 3-4

- Informatics for Engineers, Computer Engineering
- Network Engineering
- Fundamentals of Electrical Engineering
- Image Engineering
- Practical Training: Informatics, Electrical Engineering
- Compulsory Elective Modules
- Basic Module 1
- Instrument / Voice

SEMESTERS 5-6

- Acoustics
- Sound Engineering
- Compulsory Elective Modules
- Basic Module 2
- Instrument / Voice

SEMESTERS 7-8

- Optional: External Semester
- Compulsory Elective Modules
- Bachelor's Thesis and Colloquium

Please check the module manual for detailed information on the contents of the study programme at

Further Information

Events for prospective students (in German only)

hs-duesseldorf.de/zsb_veranstaltungen

How to apply

hs-duesseldorf.de/prospectivestudents/degreeseekings/application

Information for international applicants

hs-duesseldorf.de/degreeseeking

About the programme and admission requirements

medien.hs-duesseldorf.de/btub-en

Get in Touch

Dean's Office at the Faculty of Media

dekanat.medien@hs-duesseldorf.de

Student Advisory and Counselling Service (ZSB)

studienberatung@hs-duesseldorf.de

hs-duesseldorf.de/zsb-en

Admissions Office

zulassung@hs-duesseldorf.de

hs-duesseldorf.de/zulassungsstelle (in German only)

International Office (IO)

international-office@hs-duesseldorf.de

hs-duesseldorf.de/io-en

Family Support Centre

familienbuero@hs-duesseldorf.de

hs-duesseldorf.de/fam-en

Disability Services (ABS)

barrierefrei@hs-duesseldorf.de

hs-duesseldorf.de/abs-en

Psychological Counselling Service (PSB)

info.psb@hs-duesseldorf.de

hs-duesseldorf.de/psb-en

HSD on social media
facebook.de/hsduesseldorf
instagram.com/hsduesseldorf

Publisher: Hochschule Düsseldorf – University of Applied Sciences
Student Advisory and Counselling Service (ZSB)
in cooperation with the Department of Communication and Marketing and the Diversity unit
Last updated: December 2023