



HSD

Hochschule Düsseldorf
University of Applied Sciences



Faculty of Media

Bachelor of Engineering

Media Engineering

Profile

This bachelor's programme qualifies you to work as a media engineer. You learn

- scientific, technical and informational fundamentals,
- basic principles and in-depth knowledge of audio and video, virtual reality and event technology as well as digital media, particularly digital transformation.

The programme includes media design and cross-media contents and enhances your key competences as well as transferable skills.

It features a broad choice of elective modules during all phases of the programme. You can choose modules from a total of four lists of elective modules. Thus, you can tailor the programme according to your individual specialisation – already from semester 2 onwards.

We offer extensive practical elements during all phases of the programme: e.g. projects or practical trainings at HSD, but also

an internship, semester abroad or research semester in the context of the external semester.

Once graduated, you can continue your studies in the consecutive three-semester master's programme Media Informatics at HSD.

Please note: The language of instruction is mainly German in both programmes.

Career Options

The programme aims to qualify you

– either as a *generalist* in media engineering

– or as a *specialist* in one of the five specialisation options:

acoustics and audio, audiovisual media, virtual systems, event technologies or digital media.

We prepare you for a career in fields which apply and produce state-of-the-art digital audiovisual media solutions.

As a media engineer, you can serve as the interface between informatics and audiovisual contents, technology and design, products and ergonomics. You build bridges between the complex media technology and users looking for individual media solutions – such as integrative solutions and intuitive graphical user interfaces.

SYLLABUS

SEMESTERS 1-3

Mathematics | Physics | Digital Engineering | Electrical Engineering | Image Engineering | Technical Acoustics | Computer Graphics | Media Theory and Media Design | Informatics for Engineers | Network Engineering | Sound Engineering | Technical Practical Training: Interactive Media and Knowledge Management | Signal Processing
Elective Modules 1:
Audiovisual Media Design | Computer Engineering

SEMESTER 4

– Fundamentals of Business Administration
– Virtual Studio
Elective Modules 2 – advanced studies in e.g.:
Acoustics | Sound Engineering | Room and Building Acoustics | Digital Literacy | Image Engineering | Computer Graphics | Cross-Media Production | Lighting Engineering | Noise Protection | Multimedia Story Telling | Pencils and Polygons | Student Research Project | Project: Media Engineering

SEMESTER 5

– Project Management, Media and IT Law
Elective Modules 3 – special focus on e.g.:
Acoustics | Sound Engineering | Image Engineering | Room and Building Acoustics | Information Visualisation | 3D Modelling | Corporate Learning | Digital Agency Simulation | Virtual Reality | Technical Exhibition Planning | Cross-Media Production | Student Research Project | Project: Media Engineering

SEMESTER 6

– External Semester
Internship Semester | Semester Abroad | Research Semester

SEMESTER 7

– Individual Compulsory Elective Module
– Scientific Work Based on a Chosen Subject
– Bachelor's Thesis and Colloquium

Further Information

Faculty contact:

bmt.medien@hs-duesseldorf.de

About the programme, admission requirements and application:

medien.hs-duesseldorf.de/bmt-en

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

Get in Touch

Admissions Office

zulassung@hs-duesseldorf.de

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

Student Advisory and Counselling Service (ZSB)

studienberatung@hs-duesseldorf.de

hs-duesseldorf.de/zsb-en

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

Office of Counselling and 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 Invites You

Visit us! Join courses during our yearly trial week (*Schnupperstudium*) and attend our information events (e.g. *Studio5-Infotag*, *Tag der offenen Tür*, *Hochschul-informationstage*, *Wochen der Studienorientierung*).

Information on all events (in German only):

hs-duesseldorf.de/zsb_veranstaltungen

Publisher: Hochschule Düsseldorf – University of Applied Sciences
Student Advisory and Counselling Service (ZSB)
in cooperation with the Department of Communication and Marketing
and the Department of Strategy and Innovation
Last updated: May 2019