KEY FACTS

DEGREE
Master of Science (M.Sc.)

FURTHER OPPORTUNITIES FOR STUDY
E.g. doctoral studies

STANDARD PERIOD OF STUDY
3 or 4 semesters

PROGRAMME START
Summer semester and winter semester

ALLOCATION OF PLACES
Unrestricted admission

PERIOD ABROAD
Possible

GENERAL ADMISSION REQUIREMENTS
www.hs-duesseldorf.de/requirements

SPECIAL ADMISSION REQUIREMENTS
The admission requirements include a successfully completed Bachelor or Diploma degree in the media information technology field or a University level Bachelor or Diploma study programme in a comparable field that was completed with an overall grade of „good" (2.5) or better, including 60 ECTS credits in the field of informatics.
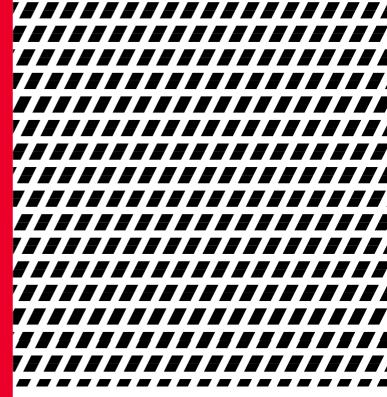
APPLICATIONS
www.hs-duesseldorf.de/application

APPLICATION DEADLINE
15th of January each year (for the summer semester)
15th of July each year (for the winter semester)

FURTHER INFORMATION
https://medien.hs-duesseldorf.de/en

HSD

Hochschule Düsseldorf
University of Applied Sciences

Faculty of Media

Master

Media Informatics

Profile

Media Informatics is a practice-oriented, technical and scientific subject, which is characterized by its strong interdisciplinary relationship to the various areas of media design and the production of digital media.

Alongside a focus on methods specific to informatics, media informatics specialists also require an understanding of and ability to communicate with the neighbouring disciplines of media design and production.

The Master Study Programme in Media Informatics expands and consolidates students' knowledge and skills in the field of informatics in the specific area of digital media, where it offers opportunities for specialization in "Virtual Environments" or "Multimedia Systems and Applications".

Each student can put together his/her own individual curriculum from a wide catalogue of subjects. This contains topics which each focus on a different area, such as multimedia communication, security management, mobile systems, computer animation, VR and AR systems as well as digital image and video technology or sound studio technology and sound engineering.

Career prospects

The Master Study Programme in Media Informatics qualifies students for demanding specialist and management tasks in the area of media informatics. Examples are advanced Web 2.0 architectures, interface and security engineering, mobile applications or the development of virtual environments and productions in the virtual studio.

The conceptualization and realization of special software components in the area of multimedia communication as well as video and audio technology are also relevant for graduates of this programme. Possible areas of employment are, for example, software development/software architecture, usability, media installations, sound engineering, virtual reality, computer animation, e-business and security, video/broadcasting and multimedia networks.

CURRI-CULUM

1ST SEMESTER
– Mathematics
– Theoretical computer science
– Project i

2ND SEMESTER
– Modelling and algorithms for multi-media systems
– Software engineering and usability engineering
– Project ii

3RD SEMESTER
– Individual project

1ST TO 3RD SEMESTER
– Elective modules:
   Computer animation
   Industrial sound design
   Digital audio signal processing
   VR and AR systems
   Interactive virtual studio
   Multimedia communications
   Advanced user interfaces
   Mobile systems
   Multimedia data analysis for web applications
   Security management
   Digital image and video processing
   Virtual acoustics
   Philosophy and media technology

3RD OR 4TH SEMESTER
– Master thesis with colloquium