



Deutscher Akademischer Austauschdienst
German Academic Exchange Service



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Master's degree



Research in Media Engineering MSc Programme

Technische Universität Ilmenau • Ilmenau

Overview

Degree	Master of Science
Teaching language	<ul style="list-style-type: none">English
Languages	<p>Courses are held in English (50%) and German (50%). Participants can choose to write their Master's theses in either language.</p> <p>The programme can also be studied completely in English.</p>
Full-time / part-time	<ul style="list-style-type: none">full-time
Programme duration	4 semesters
Beginning	Winter and summer semester
Application deadline	<p>Winter semester:</p> <ul style="list-style-type: none">Application period for students with international certificates: 16 January to 15 MayApplication period for students with German certificates: 16 April to 15 September <p>Summer semester:</p> <ul style="list-style-type: none">Application period for students with international certificates: 16 July to 15 NovemberApplication period for students with German certificates: 16 October to 15 March <p>Foreign applicants who need to apply for a visa to enter Germany should submit their application at least three months before the application deadline.</p>
Tuition fees per semester in EUR	None
Combined Master's degree / PhD programme	No
Joint degree / double degree programme	No
Description/content	<p>In the Research in Media Engineering Master's programme (former: Master in Media Technology), students are encouraged to translate personal inspirations and curiosities into their own research projects. In order to make the programme more flexible, we thus group connecting fields into the following main focuses:</p>

- Media Technology
- Signal Processing and Transmission
- Practical Computer Science
- Graphic Imaging and Virtual Techniques
- Light and Optics

Examples of these priorities include the following modules:

- Audio Signal Processing & Audio Systems
- Advanced Psychoacoustics
- Audio Coding
- Video Coding
- Video Systems Technology
- Image, Video, and Perception
- User-Centric Engineering
- Communication Networks
- Multirate Signal Processing
- Adaptive and Array Signal Processing
- Mobile Communications
- Practical Informatics
- Neuroinformatics
- Advanced Computer Graphics
- Game Development
- Virtual Reality in Industry
- Technical Optics

Students can combine these modules according to their interests and goals. Typical module combinations for job possibilities in research, development, and management include the following examples:

- Audio Engineering
- Video Engineering
- Virtual Reality
- User Interface Design
- Multimedia Engineering
- Lighting Engineering
- Television Studio Engineering

Course Details

Course organisation

The programme offers a great variety of interdisciplinary fields of specialisation and will be completed in four semesters:

- first three semesters: modules and media project, in which students can apply their new knowledge and inspirations
- fourth semester: Master's thesis (independent work on a research project)

The finalisation of the Master's thesis will allow students to enter a subsequent PhD programme at the TU Ilmenau.

A Diploma supplement will be issued

Yes

Course-specific, integrated German language courses

No

Course-specific, integrated English language courses

No

Costs / Funding

Tuition fees per semester in EUR	None
Semester contribution	Approx. 150 EUR (including a public transportation ticket)
Costs of living	Approx. 860 EUR per month (including apartment)
Funding opportunities within the university	No

Requirements / Registration

Academic admission requirements	<p>Bachelor's degree in electrical engineering, computer science, or computer engineering of at least six semesters (180 credits) from a university.</p> <p>Basic knowledge of media technology (audio, video) is very helpful for a successful start to your studies.</p>
Language requirements	<p>Applicants must provide proof of their proficiency in English at level C1 with one of the following certificates:</p> <ul style="list-style-type: none">• TOEFL IBT 95• TOEIC 945• IELTS 7• CEFR C1• CAE
Application deadline	<p>Winter semester:</p> <ul style="list-style-type: none">• Application period for students with international certificates: 16 January to 15 May• Application period for students with German certificates: 16 April to 15 September <p>Summer semester:</p> <ul style="list-style-type: none">• Application period for students with international certificates: 16 July to 15 November• Application period for students with German certificates: 16 October to 15 March <p>Foreign applicants who need to apply for a visa to enter Germany should submit their application at least three months before the application deadline.</p>
Submit application to	Online application: http://www.tu-ilmenau.de/apply

Services

Possibility of finding part-	Temporary jobs are available in local businesses such as shopping malls and supermarkets.
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Accommodation

TU Ilmenau is a campus university. Most of its academic buildings and all of its dormitories are located on the Ehrenberg campus. The dormitories have been renovated in the past few years in order to accommodate students in single and double bedrooms. The Student Guild guarantees all first semester students a room in the dormitories, provided they apply on time. The dormitory rent in Ilmenau is approx. 162-295 EUR per bed per month, depending on the type of apartment and how well it is furnished. Of course, you may also independently look for a privately rented apartment in Ilmenau and the surrounding area. We cannot offer estimates on the cost of private accommodation because prices vary due to the wide range of conditions.

Support for international students and doctoral candidates

- Accompanying programme
- Welcome event
- Buddy programme



Studying Media Technology – International Master's Course at TU Ilmenau

The Media Technology International Master's programme (the programme was called Media Technology before 2023, and it is now called the Research in Media Engineering programme) at the TU Ilmenau attracts students from around the world. In the video, a Master's student reports on his experience studying and living in Ilmenau.

» more:

<https://www.youtube.com/watch?v=vqimUL8R3vY>

Technische Universität Ilmenau

The history of the TU Ilmenau is characterised by its training of engineers, particularly in the fields of electrical engineering and mechanical engineering. Today, engineering, sciences, economics, and media are the pillars of the university's education and research. The university is also bound to its scientific tradition in its future development. This tradition, along with the strong interdisciplinary connection to the economic and social sciences as well as to the natural sciences, determines the profile of the university. Its firm aim is to be counted among the best academic, technologically oriented educational establishments. Hence, modern forms of study and innovative courses are developed and supported by the university. The strong commitment of its staff and the sound education of the students, including

professional supervision, receive high-level academic recognition. With regard to its future structural development, the TU Ilmenau seeks to attract outstanding personalities for research and teaching.

The TU Ilmenau is a state-founded, higher education establishment with about 5,500 students. Our university does not charge any tuition fees. The university upholds high standards, both in terms of academic content and the facilities offered to the students. A long-standing trademark of the TU Ilmenau has been the combination of a friendly, personal academic setting with pleasant social conditions.



University location

The triangle formed by Weimar, Ilmenau, and Eisenach within Germany is of both historical and cultural significance. Goethe, Schiller, Bach, and Luther will forever be linked to this beautiful landscape. Ilmenau itself, a market town of about 39,000 inhabitants, is situated in the picturesque valley of the Ilm in the northern foothills of the Thuringian Forest. The city was greatly influenced by Johann Wolfgang von Goethe. In fact, the "Kickelhahn" is a monument high up in the woods around Ilmenau that contains a few verses from poems written by Goethe that are translated into several languages. It is a monument to this man's influence on the city. Ilmenau has always been famous for its glass and porcelain manufacturers. Trade roads were maintained between Ilmenau, the greater Thuringian area, and the world in order to transport valuable glass and porcelain products from Ilmenau to other areas. From its founding date up to the 19th century, glass was a staple of the economy. Today, Ilmenau still holds on to its roots while looking to the future. The city is alive with new technological businesses. This makes it possible for students at the TU Ilmenau to coalesce with mentors and companies with real-world experience. Ilmenau is a great place to study the science of the future while also being grounded in the heritage of the past.

Contact

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 Course website: <https://www.tu-ilmenau.de/en/study/before-the-study/range-of-courses/master/media-technology-msc>

 <https://www.linkedin.com/school/tu-ilmenau/>

 https://www.youtube.com/channel/UC7A1G7hdL0XdFmnybaey_SA

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International Programmes in Germany - Database

www.daad.de/international-programmes

www.daad.de/sommerkurse

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German Academic Exchange Service

Section K23 – Information on Studying in Germany

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www.daad.de

GATE-Germany

Consortium for International Higher Education Marketing

www.gate-germany.de

Disclaimer

The data used for this database was collected and analysed in good faith and with due diligence. The DAAD and the Content5 AG accept no liability for the correctness of the data contained in the "International Programmes in Germany" and "Language and Short Courses in Germany".

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