



**TECHNISCHE
UNIVERSITÄT
DRESDEN**

Degree Programs

2024/25

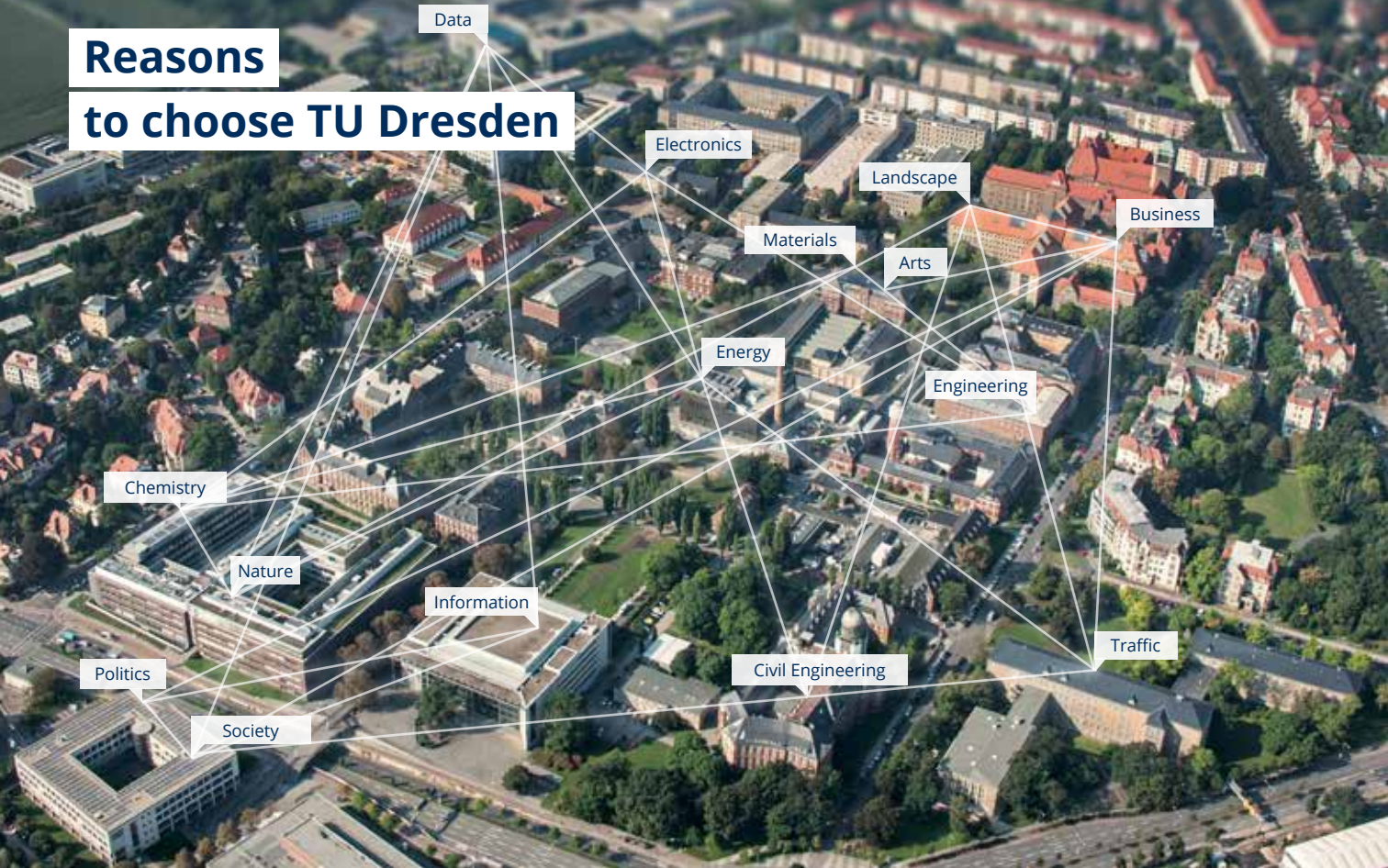




TU Dresden at a glance

- Around 29,000 students
- 17 Faculties in 5 Schools
- 119 degree programs in the 2024/25 academic year
(49 undergraduate and 70 graduate programs)
- Degrees:
Diplom, Bachelor's, Master's, State Examination
- Students from over 125 nations
- Research facilities for over 5,000 researchers from 70 countries
- Interdisciplinary networking with the Max Planck Society, Fraunhofer-Gesellschaft, Leibniz Association and Helmholtz Association
- A green and family-friendly university

Reasons to choose TU Dresden



No matter which direction you want to take – TU Dresden (TUD) offers a broad spectrum of subjects: natural science, engineering sciences, transport and traffic sciences; linguistics, literature, and cultural studies; teacher training; business and economics; education and education sciences; forest sciences, geosciences and hydrosociences; computer science and medicine.

With 119 degree programs (2024/25) and around 29,000 students at TUD, studying here also means you get to meet a lot of new people with diverse interests and backgrounds. And all this at one of Germany's eleven Universities of Excellence.

Students of TU Dresden (TUD) can graduate with a Diplom, Bachelor's, Master's, State Examination, or, in some cases, an international double degree.

All degree programs are regularly reviewed for quality and updated in a continuous improvement process. TUD is one of the few German universities to have its own quality management system for education.

Collaboration is our watchword at TUD: between degree programs, with external partner institutions, and with international research teams. Students are always involved, which is reflected in the high practical relevance of our courses.

We also foster the academic success of our students with a broad spectrum of counseling and support services.

We help you get started with your studies with a variety of welcome events and information sessions. Mentors are on hand to give tips and answer questions for new students, and buddies assist exchange students in adjusting to everyday university life.

Small cafés, open spaces, student gardens, and a friendly atmosphere—that's the TU Dresden campus. Students can travel comfortably by bus and train between the individual campus locations (such as Johannstadt, Tharandt and Zittau) with their semester ticket.

Those looking for quiet and collected knowledge will find their place at the Saxon State Library – Saxon State and University Library Dresden (SLUB). With 6 branches on campus and their own Makerspace, the SLUB is one of the largest leading scientific libraries in Germany.

And if your stomach starts to growl after all that learning, we have you covered too. With eleven canteens and seven cafeterias, the Studentenwerk Dresden (student union) provides a wide selection of tasty treats for students at affordable prices.

If you want to clear your head from the daily grind of studying, you can sign up for a course in one of the more than 60 sports at the Dresden University Sports Center, learn foreign languages, or volunteer at one of nearly 100 student clubs and organizations.

Student and campus life



Dresden is considered one of the best cities to live in Germany and is not called the 'Florence on the Elbe' for nothing. The comparatively low rents and cost of living also contribute to this. Students can find affordable housing both at the Studentenwerk Dresden (student union) and on the open housing market.

Dresden is known for its culture – visits to cabarets, trendy pubs, museums, theaters, the opera, concert halls, cinemas, or music festivals are just as much a possibility as activities in the many sports facilities or the surrounding nature of the Elbe landscape, the Elbe Sandstone Mountains, and the Ore Mountains.

Incidentally, Dresden is considered the unofficial capital of student clubs, and the trendy Neustadt district ensures an exciting nightlife. If you want to get out of Dresden, Berlin, Prague, Leipzig, and Wrocław are within easy reach.

Families are supported by many services in Dresden. TUD also embodies this family-friendly attitude. As a certified family-friendly university, we strive to offer a family-friendly infrastructure. The two daycare centers of the student union help to balance studies and family.

University City

Dresden



Applying to TU Dresden



Applications to TU Dresden are usually submitted online. Please keep the application deadlines in mind!

➤ tu-dresden.de/application

The general university entrance qualification (Abitur), the subject-related entrance qualification (only for specific subjects) or another recognized comparable university entrance qualification are prerequisites for applying for an undergraduate program. Depending on your country of origin, your secondary school-leaving certificate may not be considered equivalent to a German Abitur and it might be necessary to attend Studienkolleg and/or pass the Feststellungsprüfung (aptitude test) in order to study at a German university.







Please check ➤ <http://anabin.kmk.org> to find the specific requirements for your country.

A prerequisite for applying for a postgraduate program is the successful completion of university studies attested by degree. Further skills might be required. Additional information regarding the admission requirements can be found here ➤ tu-dresden.de/stdv

In addition, please note the separate registration deadlines and dates for possible aptitude tests. The registration for the 1st semester for most degree programs takes place only in the winter semester. For a few degree programs, the 1st semester can also be in the summer semester. The following pages outline the degree programs offered by TU Dresden. The degree programs are divided into six Schools:

Mathematics and Natural Sciences
Civil and Environmental Engineering
Engineering Sciences
Humanities and Social Sciences
Medicine
Teacher Training

Natural Sciences and Mathematics

-  Special NC selection procedure
-  Aptitude assessment
-  Studies can be started in winter and in summer
-  Studies can only be started in summer
-  Part-time studies possible
-  place of study Zittau
- NC Limited admission

More information:

 tu-dresden.de/sins/math-nat

Undergraduate programs	
Chemistry , Bachelor	⊕
Food Chemistry , State Examination	
Mathematics , Bachelor	⊕
Mathematics in Business and Economics , Bachelor	⊕
Molecular Biology and Biotechnology , Bachelor	NC
Physics , Bachelor	⊕
Psychology , Bachelor	NC

Please note: For applicants from the EU, the test for psychology studies (BaPsy-DGPs) will serve as an evaluation criterion in the selection procedure. For more information, please visit:

 <https://www.studieneignungstest-psychologie.de>



Postgraduate programs	
Biotechnology and Applied Ecology , Master (language of instruction German and English)	⊕ 
Psychology: Cognitive-Affective Neuroscience , Master	  NC
Psychology: Human Performance in Socio-Technical Systems , Master	  NC
Psychology with Focus on Clinical Psychology and Psychotherapy , Master	⊕  NC

English postgraduate programs	
Biochemistry , Master	NC
Biology in Society , Master	⊕ 
Chemistry , Master	⊕  
Mathematics , Master	⊕ 
Mathematics in Business and Economics , Master	⊕ 
Molecular Bioengineering , Master	
Molecular Biosciences and Productive Biosystems , Master	 
Organic and Molecular Electronics , Master	
Organismic and Molecular Biodiversity , Master	⊕ 
Physics , Master	⊕ 
Physics of Life , Master	
Regenerative Biology and Medicine , Master	
Technomathematics , Master	⊕ 

Civil and Environmental Engineering

Undergraduate programs	
Architecture , Diplom	⊕ NC
Business Administration and Economics , Bachelor	⊕ NC
Business Education and Management Training , Bachelor (multiple subject degree program)	⊕ ① NC
Business Information Systems , Diplom	⊕ NC
Civil Engineering , Diplom	⊕
Civil Engineering distance learning , Bachelor	⊕ ✖
Forest Sciences , Bachelor	⊕ NC
Geodesy and Geoinformation , Bachelor	⊕
Geography , Bachelor	⊕ NC
Hydro Sciences: Water Management, Hydrology and Circular Economy , Bachelor	⊕
Landscape Architecture , Bachelor	⊕ NC
Industrial Engineering and Management , Diplom	⊕ NC
Transport Economics , Bachelor	⊕
Transport Engineering , Diplom	⊕

Postgraduate programs	
Business Administration , Master	⊕ ✖ ① NC
Business Education and Management Training , Master	⊕ ✖ ①
Business Ethics and Responsible Management , Master (language of instruction German and English)	⊕ 📍
Civil Engineering postgraduate course , Diplom	
Civil Engineering postgraduate distance learning , Diplom	✖ ⊕
Electrical Transportation Systems , Master	⊕
Forest Sciences , Master	⊕ ①

- ① Aptitude assessment
- ① Subject-related aptitude assessment
- ✖ Studies can be started in winter and in summer
- ⊕ Part-time studies possible
- 📍 place of study Zittau
- NC Limited admission

More information: ↗ tu-dresden.de/sins/bau-umwelt

Postgraduate programs	
Geodesy , Master	⊕ ✖
Geoinformation Technologies , Master	⊕ ✖ ①
Hydrobiology , Master	⊕ ①
Hydrology , Master	⊕ ①
International Management , Master (language of instruction German and English)	⊕ 📍
Landscape Architecture , Master	⊕ ① NC
Railway System Engineering , Master	⊕
Spatial Development and Natural Resource Management , Master	⊕ ① NC
Waste Management and Contaminated Site Treatment , Master	⊕ ①
Water Management , Master	⊕ ①
Wood Science and Technology , Master	⊕

English postgraduate programs	
ACCESS – Advanced Computational and Civil Engineering Structural Studies , Master	①
Air Transport and Logistics , Master	⊕ ①
Cartography , Master (international program with TU Munich & TU Vienna)	①
Ecosystem Services , Master	⊕ 📍
Hydro Science and Engineering , Master	①
Public and International Economics , Master	⊕ ①
Transportation Economics , Master	⊕ ①
Tropical Forestry , Master	①
Water Security and Global Change , Master (international program with IIT Madras, RWTH Aachen)	①

Engineering Sciences

- 📖 Aptitude assessment
- 🌸 Studies can be started in winter and in summer
- 🕒 Part-time studies possible
- NC Limited admission

More information:

➔ tu-dresden.de/sins/ing

Undergraduate programs	
Biomedical Engineering , Diplom	NC
Computer Science , Diplom	
Computer Science , Bachelor	
Electrical Engineering , Diplom	
Information Systems Engineering , Diplom	
Material Science , Diplom	🕒
Material Science , Bachelor	🕒
Mechanical Engineering , Diplom	🕒
Mechanical Engineering , Bachelor	🕒
Mechanical Engineering distance learning , Diplom (only possible as part-time studies)	🕒
Mechanical Engineering distance learning , Bachelor (only possible as part-time studies)	🕒
Mechatronics , Diplom	
Media Computer Science , Bachelor	
Process Engineering and Natural Materials Technology , Diplom	🕒
Process Engineering and Natural Materials Technology , Bachelor	🕒
Renewable Energy Systems , Diplom	

Postgraduate programs	
Computer Science , Master	🌸📖
Mechanical Engineering postgraduate course , Diplom	🕒
Mechanical Engineering postgraduate course distance learning , Diplom (only possible as part-time studies)	🕒
Media Computer Science , Master	🌸📖
Process Engineering and Natural Materials Technology postgraduate course , Diplom	🕒
Textile Machinery and High Performance Material Technology , Master	🕒📖

English postgraduate programs	
Computational Modeling and Simulation , Master	📖
Distributed Systems Engineering , Master	📖
Nanoelectronic Systems , Master	🕒🌸📖



Humanities and Social Sciences

Undergraduate programs

Arts, Humanities and Social Sciences , Bachelor (multiple subject degree program) (Art History, Catholic Theological, History, Media Research, Philosophy, Political Science, Protestant Theology, Sociology)	⌚ 📄 ¹ NC ¹
International Relations , Bachelor	✍ NC
Social Education, Social Work and Welfare Science , Bachelor	⌚ NC
Linguistics, Literature and Cultural Studies , Bachelor (multiple subject degree program) (English and American Studies, German Studies, Romance Studies, Slavonic Studies, Classical Philology)	⌚ 📄 ¹ NC ¹

- ✍ Special NC selection procedure
- 📄 Aptitude assessment
- 📄¹ Subject-related aptitude assessment
- ⌚ Studies can be started in winter and in summer
- ⌚ Part-time studies possible
- NC Limited admission
- NC¹ Subject-related limited admission

More information: ↗ tu-dresden.de/sins/gsw

Postgraduate programs

Art History , Master	
Applied Media Research , Master	⌚
Classical Studies , Master	
Continuing Education Research and Organizational Development , Master	📄
Digital Humanities , Master	⌚ 📄
European Languages , Master	⌚ 📄
History , Master	⌚
International Relations , Master	📄 ✍ NC
Literature, Culture and Societal Change , Master	⌚ 📄
Philosophy , Master	
Politics and the Constitution , Master	
Social Education , Master	⌚ 📄
Sociology , Master	⌚
Vocational Education and Personnel Capacity Building , Master (professional study program)	

English postgraduate programs

International Studies in Intellectual Property Law and Data Law , Master (professional study program)	⌚ ✍ 📄
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Medicine

- ✍ Special NC selection procedure
- 📄 Aptitude assessment
- NC Limited admission
- NC² Limited admission, apply at <https://hochschulstart.de>

More information:

➤ tu-dresden.de/sins/medizin

Undergraduate programs

Midwifery , Bachelor	NC
Dentistry , State Examination	✍ NC ²
Human Medicine – Model Degree Programme , State Examination	✍ NC ²
Medicine , State Examination	✍ NC ²

Please note: For applicants from the EU, the test for medical studies (TMS) will serve as an evaluation criterion in the selection procedure. For more information, please visit: ➤ <https://www.tms-info.org>

Postgraduate programs

Public Health , Master (application only possible every even calendar year, professional study program)	✍ NC
Medical Radiation Science , Master	📄 NC



Teacher Training

📖¹ Subject-related aptitude assessment

NC Limited admission

NC¹ Subject-related limited admission

More information:

➤ tu-dresden.de/sins/lehramt

Undergraduate programs

Teacher Training – Elementary Schools, State Examination (multiple subject degree program)	📖 ¹ NC
Teacher Training – Middle Schools, State Examination (multiple subject degree program)	📖 ¹ NC ¹
Teacher Training – Secondary Schools, State Examination (multiple subject degree program)	📖 ¹ NC ¹
Teacher Training – Vocational Schools, State Examination (multiple subject degree program)	📖 ¹ NC ¹



Contact TU Dresden



ServiceCenterStudies (SCS)

You can contact the ServiceCenterStudies via the service hotline or in person at the servicepoint.

The SCS-servicepoint is located in the Fritz-Foerster-Bau (FOE), Mommsenstr. 6, 01069 Dresden.

Opening hours

Monday, Wednesday	8:30 am - 4:00 pm
Tuesday, Thursday	8:30 am - 6:00 pm
Friday	8:30 am - 1:00 pm

The SCS-service hotline is available via email and phone.

Opening hours

Monday, Wednesday	9:00 am - 3:00 pm
Tuesday, Thursday	9:00 am - 6:00 pm
Friday	9:00 am - 1:00 pm

- ☎ 0049 351 463-42000
- ✉ scs@tu-dresden.de
- tu-dresden.de/scs

International Office

Service Desk for international students

Students first need to consult the ServiceCenterStudies (SCS) and will then be referred to the Service Desk of the International Office

Visitors address

Mommsenstr. 6, 01069 Dresden

Opening hours of the International Office

Tuesday	1:30 pm - 3:30 pm
Thursday	1:30 pm - 3:30 pm

- ☎ 0049 351 463-42000
(contact via ServiceCenterStudies)
- ✉ studium.international@tu-dresden.de
- tu-dresden.de/international

Stay up-to-date and connected.



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All information is subject to change.

Start Smart.

UNI LIVE

Experience student life for a day

Be part of it!

9th January 2025

➤ tu-dresden.de/unilive

MASTER'S DAY

How to continue after finishing your Bachelor?

Spring 2025

➤ tud.de/mastertag

UNI-DAY

Open House Day

Explore. Examine. Experiment.

24th May 2025

➤ tu-dresden.de/unitag



Degree Programs
tu-dresden.de/sins