



**TECHNISCHE
UNIVERSITÄT
DRESDEN**

Degree

Programmes

2019/20





TU Dresden at a glance

32,400 students

18 faculties in five schools

124 degree programmes in the academic year 2019/2020, of which 53 are undergraduate and 71 postgraduate

Degrees:

Diplom, Bachelor, Master, State Examination

Students from more than 125 countries

Research institution for over 5,000 scientists from 70 countries

Interdisciplinary networking with research facilities of the Max Planck Society and the Fraunhofer Society as well as the Leibniz Association and the Helmholtz Association

Environmentally-conscious and family-friendly university

Reasons to choose TU Dresden



No matter what direction you wish to take, TU Dresden offers a wide range of subjects ranging from natural sciences, engineering, transport and traffic sciences, linguistics, literature and cultural studies, business and economics, education, forest sciences, geosciences, hydrosciences, as well as computer science and medicine.

With 124 degree programmes (2019/20), TUD offers a diverse scope of courses designed for a wide range of interests. By joining the 32,400 students in our student body, you will get to know many new people with various interests and personalities. And all of this will happen at one of only eleven Universities of Excellence in Germany.

You can graduate from the university with a Diplom, Bachelor's degree, Master's degree, State Examination or even with an international double degree.

All degree programmes are regularly audited for their quality and are continuously developed. TU Dresden has its own quality management for studying and teaching and is one of only few German universities to have this at its disposal. The Accreditation Council has confirmed its effectiveness with a quality seal.

TU Dresden's interdisciplinary co-operation, its international orientation, the early involvement of students in current research projects as well as the high degree of practical relevance speak to this quality.

In addition, TU Dresden promotes the achievements of its students, both before and during their studies, with a wide range of counselling and support programmes.

Your university years are the best time of your life. However, studying is also demanding. To ensure that new students feel at ease right from the start, there is a broad range of welcome and information events. Tutors provide newcomers with help and advice and so-called buddies

make it easier for exchange students to adapt to the university routine.

Together with the numerous computer labs, WiFi throughout the entire campus makes it easy to learn and work. Those seeking a quiet place with a great number of resources will find it in the Saxon State and University Library Dresden (SLUB). It is one of the largest and best-equipped academic libraries in Germany.

Food is also provided on campus. Every day, around 20,000 guests enjoy their meals in the canteens and cafeterias of the Studentenwerk Dresden (student union). These are among the best in Germany.

If you would like to clear your head from the daily learning routine, you can register for more than 40 different types of sports at the University Sports Centre (USZ). You can also learn a foreign language or take part in one of the many cultural and social programmes offered by student university groups. Fellow students from more than 125 countries can meet and get to know each other at language tandem nights, on joint excursions, by designing and building a race car, by constructing an airplane or by volunteering to help others.

Studies and Campus Life



Dresden is one of the most liveable cities in Germany, and is called the "Florence on the Elbe" for good reason. Relatively inexpensive accommodation and living costs contribute to this. Students can find affordable housing through the Studentenwerk Dresden or on the regular housing market.

Dresden is known for its diverse cultural offers. You may visit cabarets, pubs, museums, concert halls, music festivals, as well as the theatre, opera, or cinema. You can also get active in the many sports facilities or in the surrounding nature of the Elbe landscape, the Elbe Sandstone Mountains (Elbsandsteingebirge) or the Ore Mountains (Erzgebirge).

Numerous bars and clubs, including 13 student clubs, and the trendy Neustadt offer exciting nightlife. In case you want to see other interesting places, Berlin, Prague, Leipzig and Wrocław are easy to reach and only a short distance away.

Families are supported in Dresden by the city's and the university's many offers. TU Dresden, as a certified family-friendly university, strives to offer infrastructure that supports families. Two daycare centres run by the Studentenwerk Dresden help parents balance their studies and childcare responsibilities.

Student City Dresden



Applying to TU Dresden

Applications to TU Dresden are usually made online. Please pay attention to the application deadlines!

➤ tu-dresden.de/application

The general university entrance qualification (Abitur), the subject-related entrance qualification (only for specific subjects) or another recognised comparable university entrance qualification are prerequisites for applying for an undergraduate programme. 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 (assessment 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 programme 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 programmes takes place only in the winter semester. For a few degree programmes enrolment in the 1st semester is also possible for the summer semester. The following pages outline the degree programmes offered by TU Dresden. The degree programmes are divided into six knowledge clusters:

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 also be started in summer
-  Part-time studies possible
-  place of study Zittau
- NC Limited admission

More information:

tu-dresden.de/sins/math-nat









Undergraduate programmes

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

Postgraduate programmes

Biology , Master	
Biotechnology and Applied Ecology , Master	 
Chemistry , Master	
Clinical Psychology and Psychotherapy , Master	 NC
Mathematics , Master	
Mathematics in Business and Economics , Master	
Physics , Master (language of instruction German and English)	
Psychology: Cognitive-Affective Neuroscience , Master	  NC
Psychology: Human Performance in Socio-Technical Systems , Master	  NC
Technomathematics , Master	

English postgraduate programmes

Biochemistry , Master	NC
Biodiversity and Collection Management , Master	 
Molecular Bioengineering , Master	
Nanobiophysics , Master	
Organic and Molecular Electronics , Master	 
Regenerative Biology and Medicine , Master	



Civil and Environmental Engineering

- 📅 Aptitude assessment
- ☀️ Studies can also be started in summer
- ⌚ Part-time studies possible
- 📍 place of study Zittau
- NC Limited admission



More information:

➔ tu-dresden.de/sins/bau-umwelt

Undergraduate programmes	
Architecture, Diplom	⌚ NC
Business and Economics, Bachelor	⌚ NC
Business and Economics Education, Bachelor (multiple subject degree programme)	⌚ NC
Business Informatics, Diplom	⌚ NC
Civil Engineering, Diplom	
Civil Engineering distance learning, Bachelor (only possible as part-time studies)	⌚ ☀️
Economics and Engineering, Diplom	⌚ NC
Forest Sciences, Bachelor	⌚ NC
Geodesy and Geoinformation, Bachelor	⌚
Geography, Bachelor	NC
Hydrosciences, Bachelor	⌚
Landscape Architecture, Bachelor	NC
Transport Economics, Bachelor	NC
Transport Engineering, Diplom	

Postgraduate programmes	
Air Transport and Logistics, Master	
Business and Economics Education, Master	⌚ ☀️ 📅
Business Management, Master	⌚ ☀️ 📅
Civil Engineering postgraduate course, Diplom	
Civil Engineering postgraduate distance learning, Diplom	☀️ ⌚
Economics, Master	⌚ ☀️ 📅
Electrical Transportation Systems, Master	⌚
Forest Sciences, Master	📅
Geodesy, Master	⌚ ☀️
Geography, Master	NC
Geoinformation Technologies, Master	⌚ ☀️ 📅
Hydrobiology, Master	⌚ 📅
Hydrology, Master	⌚ 📅
Landscape Architecture, Master	📅
Railway System Engineering, Master	
Spatial Development and Natural Resource Management, Master	NC
Transport Economics, Master	📅 NC
Waste Management and Contaminated Site Treatment, Master	⌚ 📅
Water Management, Master	⌚ 📅
Wood Science and Technology, Master	

English postgraduate programmes	
ACCESS – Advanced Computational and Civil Engineering Structural Studies, Master	📅
Cartography, Master (international programme with TU Munich & TU Vienna)	📅
Ecosystem Services, Master	📍 ⌚
Hydro Science and Engineering, Master	📅
Tropical Forestry, Master	



Engineering Sciences

- 📅 Aptitude assessment
- ☀️ Studies can also be started in summer
- ⊕ Part-time studies possible

More information:

➤ tu-dresden.de/sins/ing









Undergraduate programmes	
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 programmes	
Computational Science and Engineering, Master (joint programme with Freiberg Mining Academy)	
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 and Clothing Technology, Master	📅

English postgraduate programmes	
Computational Logic, Master	📅
Computational Modeling and Simulation, Master	📅
Distributed Systems Engineering, Master	📅
Nanoelectronic Systems, Master	⊕ 📅










Humanities and Social Sciences

-  Special NC selection procedure
-  Aptitude assessment
-  Subject-related aptitude assessment
-  Studies can also be started in summer
-  Part-time studies possible
-  place of study Zittau
- NC Limited admission
- NC¹ Subject-related limited admission

More information: [➔ tu-dresden.de/sins/gsw](https://tu-dresden.de/sins/gsw)

Undergraduate programmes	
Protestant Theology , Bachelor	
History , Bachelor	
International Relations , Bachelor	 NC
Catholic Theological Studies in an interdisciplinary context , Bachelor	
Art History , Bachelor	NC
Media Research , Bachelor	 NC
Philosophy , Bachelor	NC
Political Science , Bachelor	NC
Social Education, Social Work and Welfare Science , Bachelor	 NC
Sociology , Bachelor	 NC
Linguistics, Literature and Cultural Studies , Bachelor (multiple subject degree programme) (English and American Studies, German Studies, Romance Studies, Slavonic Studies, Classical Philology)	  NC ¹

Postgraduate programmes	
Art History , Master	
Applied Media Research , Master	 NC
Business Ethics and Responsible Management , Master	 
Business Law - Business Enterprises between Freedom and Governmental Regulation , Master	
Classical Studies , Master	
Continuing Education Research and Organisational Development , Master	
European Languages , Master	 
History , Master	
International Management , Master (language of instruction German and English)	 
International Relations , Master	 NC
International Studies in Intellectual Property Law , Master (language of instruction German and English, professional study programme)	 
Linguistics, Literature and Cultural Studies , Master (English and American Studies, German Studies, Romance Studies, Slavonic Studies, Classical Philology)	
Philosophy , Master	
Politics and the Constitution , Master	
Social Education , Master	
Sociology , Master	
Vocational Education and Personnel Capacity Building , Master (language of instruction German and English, professional study programme)	

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 programmes

Dentistry , State Examination	✔ NC ²
Medicine , State Examination	✔ NC ²

Postgraduate programmes

Public Health , Master (application only possible every even calendar year, professional study programme)	✔ NC
Medical Radiation Science , Master	✔ NC



Teacher Training

- 📄 Subject-related aptitude assessment
- NC Limited admission
- NC¹ Subject-related limited admission

More information:

➤ tu-dresden.de/sins/lehramt

Undergraduate programmes

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





Contact TU Dresden

ServiceCenterStudies

The service hotline is available via email and phone.

Opening hours

Monday, Wednesday, Thursday 9am – 3pm
Tuesday 9am – 6pm
Friday 9am – 1pm

☎ 0049 351 463-42000

✉ servicecenter.studium@tu-dresden.de

➤ tu-dresden.de/scs

International Office

Service Desk for international students

Visitors address

Strehleener Str. (BSS) 22, 01069 Dresden
6th floor, room 671

Opening hours

Consultation possible without appointment; for other times, please make an appointment.

Tuesday 9:30am – 11:30am and 1pm – 3:30pm
Thursday 9:30am – 11:30am and 1pm – 3:30pm

☎ 0049 351 463-42000

(contact via ServiceCenterStudies)

✉ studium.international@mailbox.tu-dresden.de

➤ tu-dresden.de/international

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UNI LIVE

Experience student life for a day
Be part of it!
9th January 2020

➤ tu-dresden.de/unilive

UNI-TAG

Open House Day
Explore. Examine. Experiment.
16th May 2020

➤ tu-dresden.de/unitag





Degree Programmes
tu-dresden.de/sins