

M.Sc. NES

Onboarding
Winter Semester
2026/27



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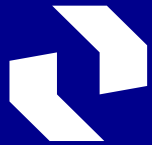
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Technische
Universität
Dresden

Welcome to

TU Dresden

Welcome@TU Dresden
student handbook:

Helpful information for starting your
studies at TU Dresden.



Enrollment and Arrival

Enrollment and Arrival – International Office

International Office

- provides counseling and administrative support for international applicants and students at TU Dresden.
- assists with study-related formalities such as semester re-registration, leave of absence, changes of study program, and de-registration.

Contact

- TEL +49-351-46342000
- ✉ studium.international@tu-dresden.de

Office Hours

- Tuesdays and Thursdays
- 1 – 3 p.m.

Visiting address

- Fritz-Foerster-Bau, Mommsenstraße 6



Enrollment and Arrival

If you have not completed your enrollment yet, please follow the instructions and read the information documents available in your [SELMA account](#).

Information on admission

- checklist for the beginning of your studies
- information on Health Insurance

Information on enrollment

- instructions for enrollment incl. form Student Registration
- e-mail: immatrikulation.international@tu-dresden.de

Important:

- submission of enrollment documents by September 30, 2026, in case of delayed issuance of visa until October 15, 2026
- Documents submitted after this date cannot be accepted!



Enrollment and Arrival

With the enrollement, you can already activate and use:

- login/user account of the selma student portal
- e-mail address

As soon as you are enrolled, you received information by e-mail regarding:

- login selma student portal
- student ID card, confirmation of enrollment
- start of studies, introductory events
- International Tutoring Program

Upon your arrival in Dresden, you will need to:

- pick up student ID card in person at Service-Center-Studies (SCS) = enrollment completed
- get the student handbook: WELCOME@TU DRESDEN



Enrollment and Arrival – Late Arrival

Late Arrival

If your visa is delayed, late arrival is currently allowed at any time during your first semester of studies, though not recommended as too many lectures, courses, and possibly examinations will have been missed.

If you cannot begin your studies in time, we will send you an e-mail with instructions, how to proceed:

- You will need to postpone the start of your studies by two semesters
- Cancel your current enrollment and request a refund of the semester contribution

Reapply for the winter semester 2027/28

Important:

Reapplication is done via the TU Dresden application portal (not via uni-assist).

For more information, please check the [FAQ section](#) "How can I reapply?"

Tutoring programs

Enrollment and Arrival – Tutoring Program

International Tutors of [the International Tutoring Program](#) at the faculty

Tutors = senior students will support you in finding first orientation

Tutors will help you with the organization of your studies, show how to use the TUD's online portals, explain study and examination regulations, how to organize a timetable and more.

Save the date:

- Welcome Meeting and first tutorial incl. guided tour of the campus and your faculty

Friday, October 2, 1:00 - 2:30 pm, Room [BEY/OE40/H](#)

If you miss the welcome meeting, you may join the program later.

International tutor for faculty of Electrical and Computer Engineering:

- Jonathan Dlabola
- Abulfazl Khorrami

e-mail: tutor-eui@tu-dresden.de



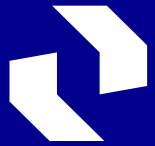
source: tu-dresden.de

Enrollment and Arrival – Tutoring Program

NES Tutors of the STIK Tutoring Programm support you throughout your studies in your study program with study organization, academic courses, assistance with non-university matters (ex. administrative appointments), organization of leisure activities (ex. excursions, „cheer-up“ meetings).

- NES tutors of the STIK Tutoring Programm:
 - Mukul Mahesh Kamat
 - Ayushman Singh
- Join the [What'sApp Group](#)

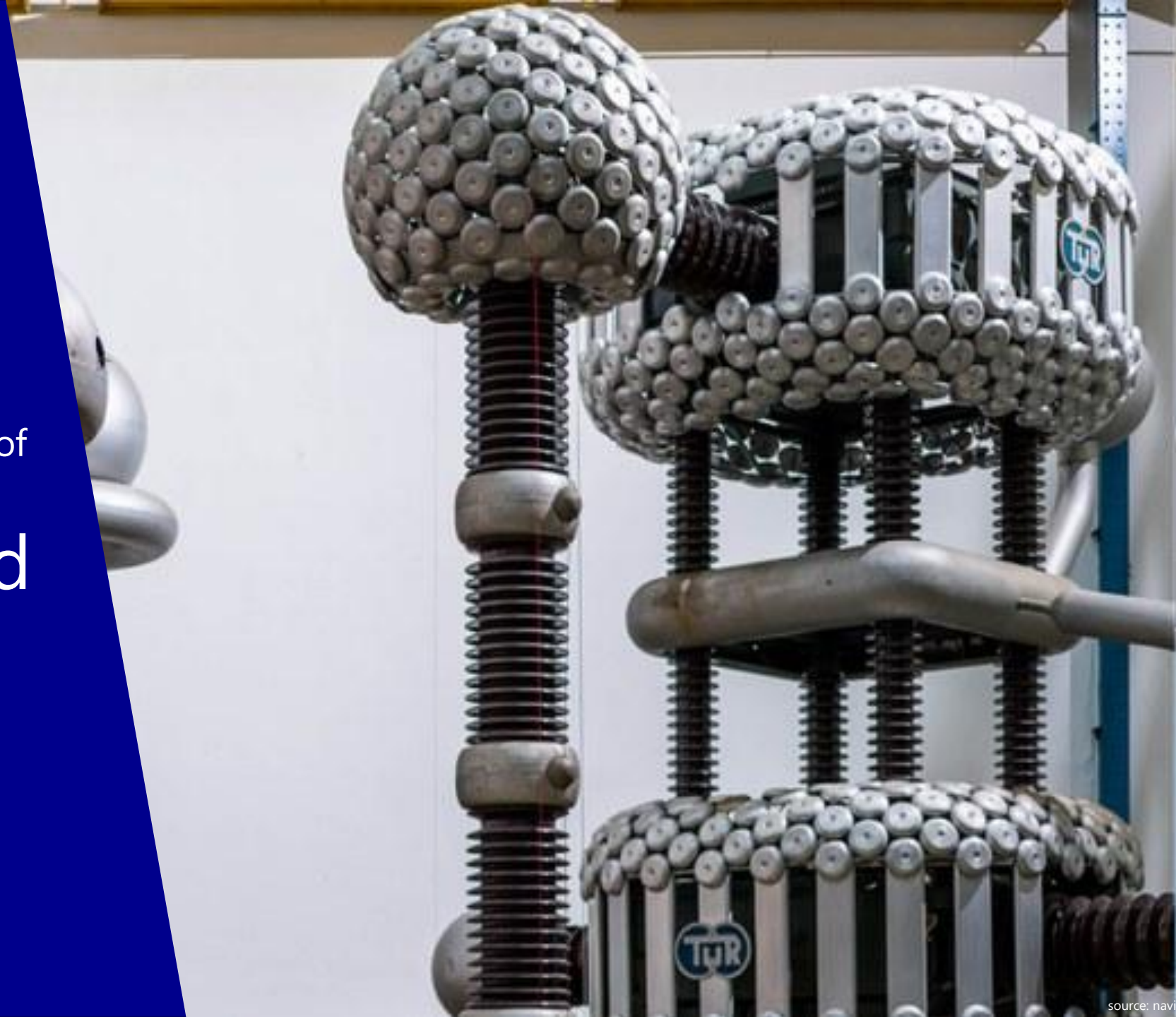




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Welcome to the Faculty of

Electrical and Computer Engineering



Contacts at the faculty

Study Advisor Nanoelectronic Systems:

- [Contact](#) : Ms Dipl.-Phys. Manuela Tetzlaff

STIK Tutors for M. Sc. NES:

- Mukul Kamat : mukul_mahesh.kamat@tu-dresden
- Ayushman Singh : ayushman.singh@tu-dresden.de

The Study Program

M. Sc. Nanoelectronic Systems



Welcome & Introduction Events

- Welcome meeting for the study programme Nanoelectronic Systems:

Friday, 9th October, 2026

9:20 - 10:50 a.m.

[BAR/SCHÖ/E](#)

- [Orientation week for New Students](#) organized by Student body and Faculty of Electrical and Computer Engineering
- The NES Welcome Party will take place on November 11.

Important Links

- [Class Schedules](#)
- [Textbooks and topics for preparation](#)
- [Modules and Study Guide](#)
- [Scholarships](#)

Timetable 1st semester (winter term 2026/27)

Time/Day	Monday	Tuesday	Wednesday	Thursday	Friday
1:05 7:30 a.m. - 9:00 a.m.				E: Confidential Computing Fetzer IAP/NEP-C-COMP SCH/ST/18/H	
2:05 9:30 a.m. - 10:50 a.m.	L: Quantum and Solid State Physics Cuniberto PHY/NEP-E-QM/NE Quantum Mechanics for Nanoelectronics VMB/0302/U	L: Neural Networks and Memristive Hardware Accelerators Saggar BU/NEP-E-NM/NA TOD/0217/H	L: Integrated Photonic Devices Jamnadi BU/NEP-E-IPD Integrated Photonic Devices for Communications and Signal Processing BAR/0109/U	L: Foundations of Certified Programming Language and Compiler Design Eitel BU/NEP-E-PCPL APB/0201/U	L: IoT Communication Dargatz/ Vahnsch IAP/NEP-E-IOT APB/0202/U
3:05 12:10 a.m. - 12:40 a.m.	L: Systems Engineering 1 Fetzer IAP/NEP-E-SE Systems Engineering APB/0203/U	L: Stochastic Signals and Systems Kortis BU/NEP-E-SSg GOR/0228/U	P: Python for Engineers Knoll BU/NEP-E-NB/NA Neural Networks and Memristive Hardware Accelerators room: on agreement	L: Quantum and Solid State Physics Dianat PHY/NEP-E-QM/NE Quantum Mechanics for Nanoelectronics ZSU/0147/2 2nd week	E: Quantum and Solid State Physics Dianat PHY/NEP-E-QM/NE Quantum Mechanics for Nanoelectronics ZSU/0147/2 1st week
4:05 02:40 p.m. - 02:50 p.m.	L: Organic Semiconductors for Optoelectronics Saggar BU/NEP-E-OD BAR/0213/H	L: Semiconductor Technology 1 Mannfeld BU/NEP-E-ST Semiconductor Technology TOD/0317/H	E: Stochastic Signals and Systems Kortis BU/NEP-E-SSg GOR/0228/U	E: Neuromorphic VLSI Systems Schreiner/ Partzsch BU/NEP-E-VLSI room: on agreement	L: Plasma Technology Hauß BU/NEP-E-PLTz BAR/0205/U
5:05 03:30 p.m. - 04:20 p.m.		L: Semiconductor Quantum Structures Dimaia/Vinman/Erba/Mahajan PHY/NEP-E-QM/NE Quantum Mechanics for Nanoelectronics RSC/0214/H	P: Python for Engineers Knoll BU/NEP-E-IPD Integrated Photonic Devices for Communications and Signal Processing BAR/0213/H	L: Plasma Technology Hauß BU/NEP-E-PLTz BAR/0205/U	L: Distributed Systems Springer IAP/NEP-E-DS APB/0223/U
6:05 04:40 p.m. - 05:10 p.m.	L: Hardware Modelling and Simulation Sonniger IAP/NEP-E-HM BAR/0106/H	E: Organic Semiconductors for Optoelectronics Saggar BU/NEP-E-OD BAR/0213/H 2nd week	E: IoT Communication Dargatz/ Vahnsch/Pang IAP/NEP-E-IOT APB/0202/U	E: Foundations of Certified Programming Language and Compiler Design Eitel/Casillon-Mazo BU/NEP-E-PCPL APB/0201/U	P: RoboLab Knosch IAP/NEP-E-RLS Lab Sessions HOU/0105/H

L = Lecture
P = Practice
DS = Double Period
1st week = odd week
2nd week = even week

German Language Courses: <https://www.spracheubildung.to-dresden.de/en/german.html>
Please register in OPA for one course:
<https://bildungsportal.sachsen.de/opal/auth/RepositoryCatalog/32172295658>
Registration starts on 1st of October.

If you wish to attend a higher level, please do a placement test at the beginning of the semester.
Read here: <https://www.spracheubildung.to-dresden.de/en/placement-tests.html>

Mandatory courses in red lettering!
Same module parts in same background colour

Modules currently in the 3rd semester timetable that can also be taken in 1st semester in blue lettering
PHY/NEP-E-QM/NE Quantum Mechanics for Nanoelectronics
BU/NEP-E-IPD Integrated Photonic Devices for Communications and Signal Processing
IAP/NEP-E-IOT IoT Communication
IAP/NEP-E-DS Distributed Systems
IAP/NEP-E-HM Hardware Modelling and Simulation
BU/NEP-E-PCPL Foundations of Certified Programming Language and Compiler Design
BU/NEP-E-VLSI Neuromorphic VLSI Systems

3rd of September, 2026, subject to changes

Welcome to the Beautiful City of

Dresden



Practical Pointers

Practical Pointers for Living in Dresden

Weather

Winters in Germany can be cold, so bring warm clothing. In summer, some days can be hot, and buildings usually do not have air conditioning.



Practical Pointers for Living in Dresden

Getting Around

Your **semester ticket includes the Deutschlandticket**, which allows you to use local public transport across Germany such as regional trains (RE, RB), trams, buses, and metros. ICE, IC, and EC long-distance trains are not included.

- Activate your digital ticket on your phone: [Digital ticket activation](#)
- Dresden public transport network map: [DVB network map](#)
- Public transport in Dresden : [DVB](#) 
- Trains and connections across Germany: [DB](#) 



Practical Pointers for Living in Dresden

Getting around - Bikes and E-Scooters

Another convenient way to get around Dresden is by using shared bikes and e-scooters, which are widely available across the city and can be easily rented through mobile apps.

- TU Dresden students can use Mobibikes (DVB bike sharing) and receive free minutes per day after registering with their university email address.
- More information about Mobibikes and registration can be found [here](#).



Practical Pointers for Living in Dresden

Internet

Universities provide **eduroam**, a secure Wi-Fi network available at many universities and research institutions worldwide. At TU Dresden, you can connect using your ZIH login credentials.

- To setup use this [website](#)



Everyday Life

Most supermarkets and shops are closed on Sundays.

Plan your shopping accordingly.



AI-generated

How to Settle In

How to Settle In – Formalities

After arrival (within 2 weeks)

Register your address at the City of Dresden (Bürgeramt)

Required for EU and non-EU citizens

- Appointment or open office hours
 - Open office hours:
Tuesday and Thursday
1:00 – 4:00 p.m.
- More information [here](#)

Residence Permit

Apply for or extend your residence permit at the Foreigners' Authority (Ausländerbehörde).

- Apply about 3 months before your visa/residence permit expires
- First contact the authority by email and send the required documents
 - E-mail: auslaenderbehoerde@dresden.de
- More information [here](#)

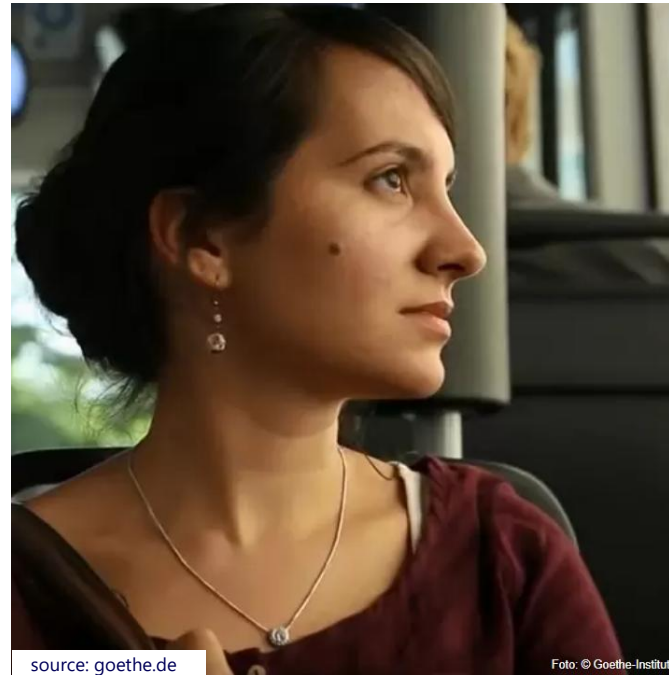
How to Settle In – Understanding Everyday Life

To help you settle in during your first weeks in Germany, the Goethe-Institut provides short videos and practical information about daily life.

Topics include:

- Using public transportation
- Looking for accommodation
- Visiting a doctor
- Job search and workplace culture
- Mobile phone contracts
- Making new friends

Find the videos and information [here](https://www.goethe.de)



source: goethe.de

Foto: © Goethe-Institut



Im Bus



Beim Arzt



Auf Arbeitssuche



Unterwegs auf der Straße



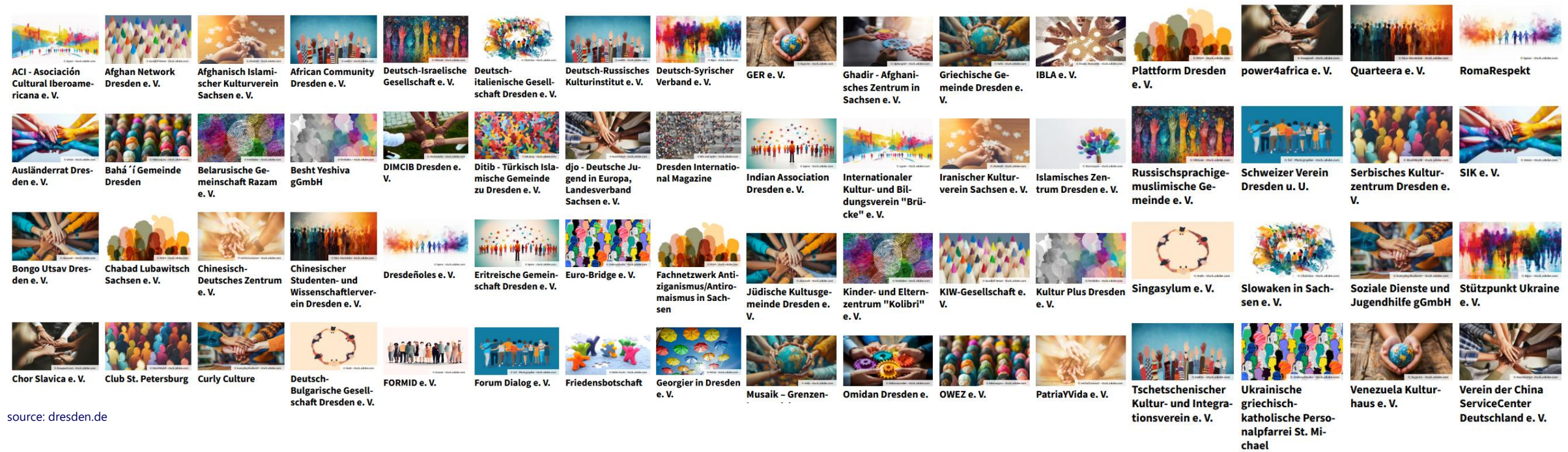
Bei der Arbeit



Neue Freunde

How to Settle In – Migrant Organizations in Dresden

Dresden offers many international and cultural organizations that support newcomers and help students connect with local communities.



source: dresden.de

Find an overview of migrant organizations in Dresden [here](#).

Housing and Studentenwerk

Housing in Dresden

Plan your accommodation **before arriving in Dresden**, as housing can be limited at the beginning of the semester.

Student dormitories (Studentenwohnheime) are managed by **Studentenwerk Dresden**, the main provider of student housing for TU Dresden students.

Information about student dormitories, application procedures, and other housing options is available in [this link](#).



Studentenwerk

Studentenwerk Dresden supports students of TU Dresden in many aspects of student life and provides important social and economic services.

Main Services

- Student housing (Studentenwohnheime)
- Cafeterias and dining halls (Mensa)
- Support services for international students

Find an overview of Studentenwerk services in the [brochure](#).



Learn more:

- Visit the [Studentenwerk Dresden website](#).
- Check the [checklist for preparing your stay in Dresden](#) (provided by Studentenwerk Dresden).

Health Insurance

Health Insurance in Germany

Health insurance is mandatory for all students in Germany. It gives you access to the German health care system. To enroll at TU Dresden, students must register with a German statutory health insurance provider. The insurance provider will then send the required electronic notification to the university for enrollment.

To help international students understand the system and the necessary steps, **Techniker Krankenkasse (TK)** offers free online information sessions.

- During these sessions you will learn about:
 - How to receive the M10 notification for university enrollment
 - Health insurance regulations for EU and non-EU students
 - The German health care system and covered services
- More information and registration [here](#).

SLUB and Libraries in Dresden

SLUB and Libraries in Dresden

SLUB – Saxon State and University Library Dresden

is the main library for TU Dresden students and one of the largest academic libraries in Germany.

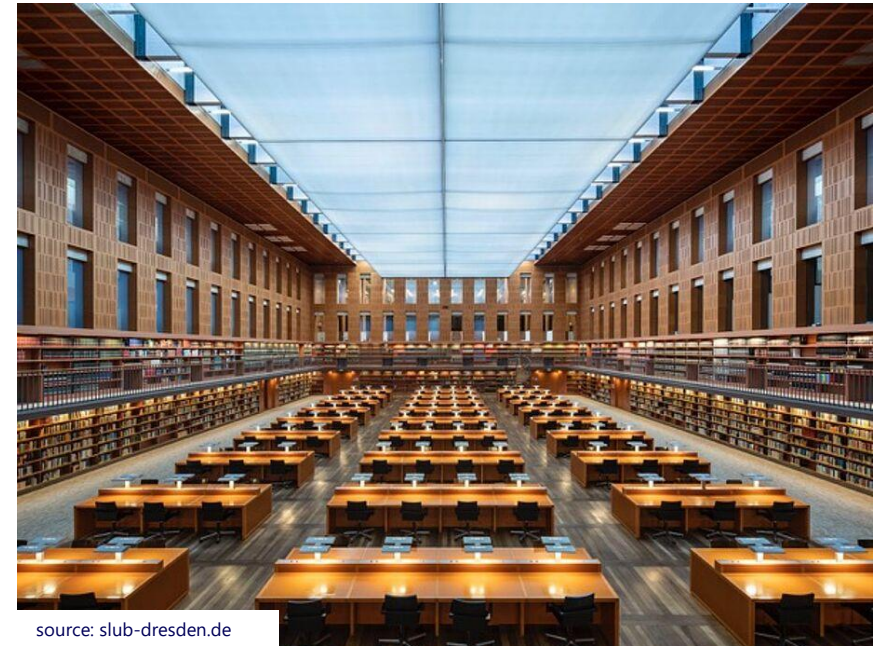
Students can use SLUB to:

- Study in quiet study spaces or group rooms
- Access books, journals, and online academic resources
- Use computers, printers, and scanning services

In addition to SLUB, Dresden also has a network of public libraries (Städtische Bibliotheken Dresden) located across the city. These libraries provide study spaces, books, media resources, and community events.

SLUB: <https://www.slub-dresden.de>

City libraries: <https://www.bibo-dresden.de>



source: slub-dresden.de



source: ekz.de

Studying at TU Dresden

Study Culture at TU Dresden

- Many courses include self-study in addition to lectures and tutorials.
- If you face difficulties during your studies, don't hesitate to ask for help early. Support programs such as [PASST](#)?! – Partnership for Successful Studies are available.
- Most exams allow [up to three attempts](#) to pass.
- AI tools (such as ChatGPT) may support learning, but they cannot replace your own exam performance. Find TUD's recommendation for the use of AI [here](#).
- Copyright is important. Violations can have serious consequences.
- Check and use your TUD Mail address!
 - Find the service [here](#).



Course Management

OPAL – Learning Platform

OPAL (Online Platform for Academic Learning and Teaching) is the central learning platform of TU Dresden and other Saxon.



[Link to OPAL](#)

Selma – Student Portal

Selma stands for student self-management.

Register for courses
and examinations

View results



Access study documents
and certificates

Check personal study
information

You receive access after enrollment.

[Link to Selma](#)

Exam Registration



1

Registration for Courses
(content)

→ Information,
materials, deadlines,
communication

2

Registration for
Courses (formal)

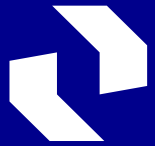
→ Otherwise you will
not be able to
take exams

3

Registration for Exams

→ Otherwise you will
not be able to
take exams

**If the deadline is missed for the selma course,
a registration for the exam is not possible!**



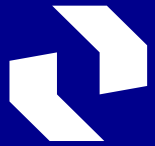
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Part-Time Jobs for students

Part-Time Jobs

- Working during the 1st semester is not recommended, as you should focus on your full-time studies.
- German language skills can improve your chances of finding a job.
- The university or faculty cannot arrange jobs for students.
- Some students work as Student Assistants (HiWi) at the university. Later in your studies, you may find Werkstudent positions in companies.
- The Career Service at TU Dresden offers workshops and support for international students.
 - Find more [here](#).
- Follow [German work regulations](#) for students.





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Intercultural Differences at University Level

Intercultural Differences – What to Expect in Germany

Equality – the same rules apply to all students

Punctuality – being on time is important

Be active – participate in class and communicate with professors



Equality



Deadlines



Active



Punctuality



German language

Deadlines are taken seriously

Rules matter - university processes are usually rule-based

German language – helpful for daily life and part-time jobs

Thank you for your attention!

Do you have any questions?

Have a great start to your studies!