

Exploring the World with TUM

www.international.tum.de

Nadin Klomke

Technical University of Munich

TUM School of Engineering and Design — Civil and Environmental Engineering / Geo
Engineering (TUM ED — CEE / GE)

&

Andreas Mayer

TUM Global & Alumni Office

Munich, 18 July 2024



Going Abroad with TUM

- **Double Degree Programs**
- DD Programs ARG
- Experience report
- **TUMexchange**
- Experience report
- **Erasmus+ /SEMP**
- **School Partnerships**
- **ATHENS/ EuroTeQ**
- Scholarships / TUMi
- Time for your questions

One study program, two degrees

DD Programs with Argentina

DD Program at Universidad Nacional de Cuyo, ARG

Study stays worldwide

DD Program at Tsinghua SIGS, China

Study stays and Internships in Erasmus+ program countries

Additional exchange opportunities at TUM ED-CEE/GE

Study one week in Europe / Virtual Learning Opportunities

Grants for stay abroad / Get involved!

Good Reasons to Go Abroad



Double Degree – One study, Two Degrees



Double Degree – One study, Two Degrees

Advantages

- Acquisition of a second degree in addition to your TUM degree
- Mutual recognition of credits between both universities

Requirements

- Being enrolled at a TUM school offering a suitable Double Degree program
- Above-average bachelor's degree
- Excellent level of the language of instruction at the partner university

Application

- Application during Erasmus+ application round
- **Application period** starting in **December** for exchange period in the following winter term
- Selection & nomination by TUM ED – CEE / GE

Double Degree Programs – TUM ED (CEE/GE)

Argentina: National University of Tucuman (UNT)
National University of Cuyo (UNCuyo)

France: (École Polytechnique)
École Nationale des Ponts et Chaussées

Sweden: Royal Institute of Technology (KTH)

Spain: Polytechnische Universität Madrid

Czech Republic: Technische Universität Prag

1:1 Program: 1:1 Programm DTU-TUM (for students of M. Sc. Environmental Engineering),
Danmarks Tekniske Universitet (DTU), Danmark

Double Degree Master Bauingenieurwesen für Geotechnik- Vertiefer

Lukas Henzinger

Technische Universität München

School of Engineering and Design

Lehrstuhl und Prüfamnt für Grundbau, Bodenmechanik, Felsmechanik
und Tunnelbau

München, 18.07.2024





Deutscher Akademischer Austauschdienst
German Academic Exchange Service

GEFÖRDERT VOM



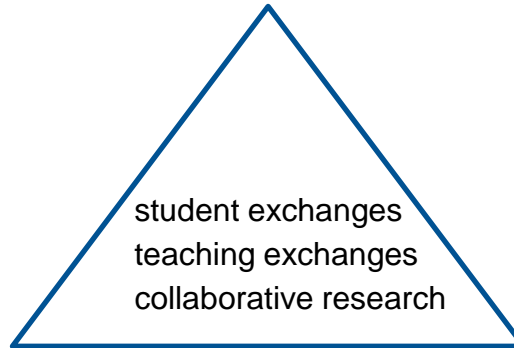
Bundesministerium
für Bildung
und Forschung



Bi-nationales Masterprogramm Geotechnik mit Double Degree



Prof. Roberto Cudmani



UNCUYO
UNIVERSIDAD
NACIONAL DE CUYO

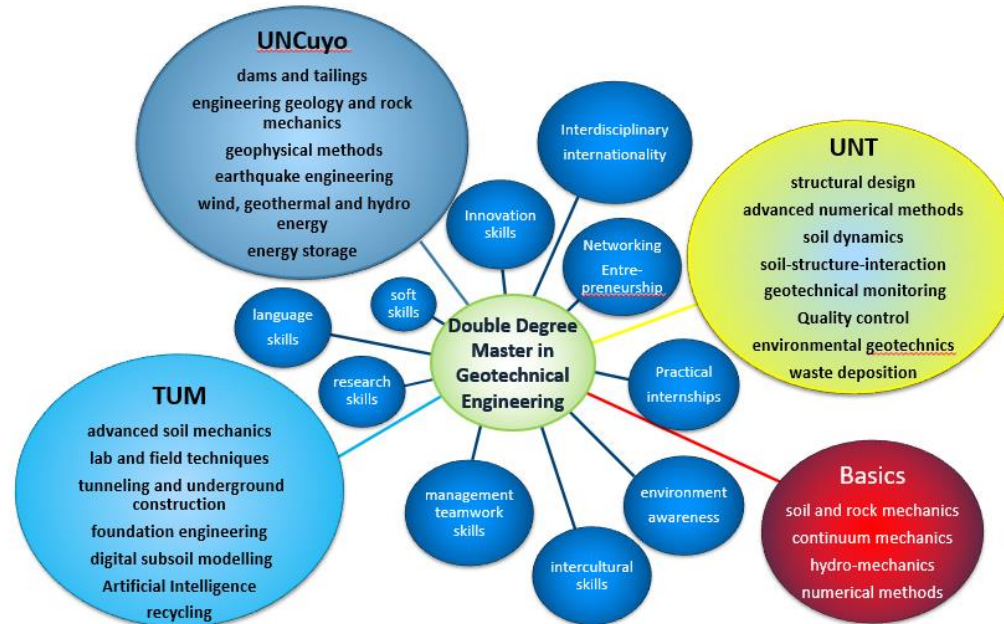
Prof. Arnaldo Barchiesi



Universidad Nacional de Tucumán

Prof. Abel Jacinto

Spezialisierungen der Universitäten und Kernkompetenzen im DD

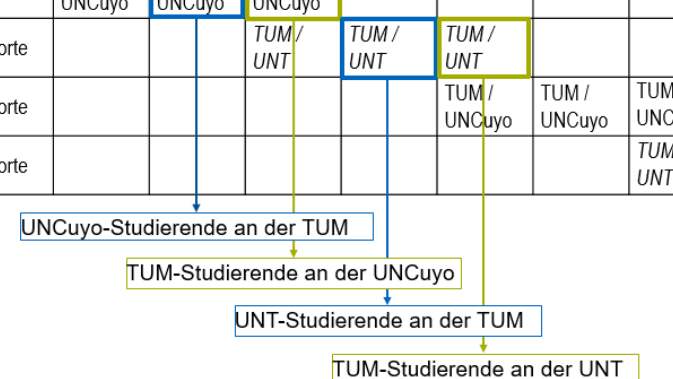


Studienplan

TUM-Studierende

- 1./2. Semester an der TUM
- 3. Semester an der UNT oder an der UNCuyo (20 – 30 ECTS)
- 4. Semester Masterarbeit an einer der Universitäten

	2022-2023		2023-2024		2024-2025		2025-2026	
	WiSe 22/23	SoSe 23	WiSe 23/24	SoSe 24	WiSe 24/25	SoSe 25	WiSe 25/26	SoSe 26
1. Kohorte	TUM / UNCuyo	TUM / UNCuyo	TUM / UNCuyo					
2. Kohorte			TUM / UNT	TUM / UNT	TUM / UNT			
3. Kohorte					TUM / UNCuyo	TUM / UNCuyo	TUM / UNCuyo	
4. Kohorte							TUM / UNT	TUM / UNT



UNCuyo-Studierende an der TUM

TUM-Studierende an der UNCuyo

UNT-Studierende an der TUM

TUM-Studierende an der UNT

Beispielhafter Curriculum

1. Semester	2. Semester	3. Semester	4. Semester
Fortgeschrittene Boden- und Felsmechanik <i>Geotechnik</i> 6 ECTS	Spezialtiefbau und Felsbau <i>Geotechnik</i> 6 ECTS	Pflicht- und Wahlmodule an der UNT bzw. der UNCuyo	Masterarbeit
Kontinuumsmechanik <i>Baumechanik</i> 6 ECTS	Baudynamik <i>Baumechanik</i> 6 ECTS		
Fluidmechanik und Grundwasserhydraulik Querschnittsvertiefung 6 ECTS	<i>Tunnelbau</i> Wahlmodul 1 3 ECTS		
<i>Tunnelbau</i> Wahlmodul 3 ECTS	<i>Geotechnik</i> Wahlmodul 2 6 ECTS		
Ingenieurgeologische und geotechnische Aspekte des Tunnelbaus Tunnelbau 6 ECTS	Betonkonstruktionen und Ingenieurgeodäsie im Tunnelbau <i>Tunnelbau</i> 6 ECTS		
Bodendynamik <i>Baumechanik</i> 3 ECTS	Integral Transform Methods <i>Baumechanik</i> 3 ECTS		
30 ECTS 6 Prüfungen	30 ECTS 6 Prüfungen	30 ECTS 6 Prüfungen	30 ECTS 1 Prüfung

Kurse der UNT und der UNCuyo im DD-Programm*

Pflichtfächer	Hours	Equivalent ECTS
Slopes and Dams Engineering (Ingeniería de Taludes y Presas)	50	6
Applied Earthquake Geology (Geología de Terremotos Aplicada)	50	6
Wahlfächer	Hours	Equivalent ECTS
Tailings dams (Presas de Relaves Mineros)	40	5
Hydrogeology (Hidrogeología)	40	5
Material Point Method (Método del Punto Material)	40	5
Practice in Geotechnical Engineering (Práctica de Geotecnia)	20	3

Im Zuge des DD-Programms sind 20-30 ECTS erfolgreich an der Gastuniversität zu belegen. Die Anerkennung der Studienleistungen erfolgt über die Querschnittsvertiefung.

*das Kursprogramm wird jährlich aktualisiert und veröffentlicht

Zulassungsvoraussetzungen und Auswahlverfahren

- Akademische Leistungen, insbesondere in den Bereichen Geotechnik und Tunnelbau
- Sprachkenntnisse in Spanisch (>B2*)
- Wahl folgender Vertiefungsrichtungen
 - Geotechnik
 - Querschnittsvertiefung
 - Ggf. Tunnelbau
- Ggf. absolvierte Praktika und Tätigkeiten als Werkstudent
- Motivationsschreiben
- Empfehlungsschreiben

Bewerbungsverfahren

- Bewerbungsphase analog zu Erasmus-Programmen (i. d. R. Fristende Mitte Januar für ein Austauschsemester im darauffolgenden Wintersemester)
- Bewerbung über die Moveon-Plattform
- siehe auch [TUM-Wiki](#)

Förderung durch das CUAА-DAHZ

Finanzierung für jährlich bis zu 6 Studierende durch das Deutsch-Argentinische Hochschulzentrum (CUAA-DAHZ)



- monatliches Stipendium (1075 €/Monat)
- Reisekostenpauschale (1500 €)

Weiterführende Informationen zum DAHZ:

[Homepage des CUAА-DAHZ](#)

[Video zum 10 jährigen Bestehen des CUAА-DAHZ](#)

Wieso sollte man in Argentinien studieren?



Laufender Austausch



Kontakt bei Rückfragen

Ansprechpartner:

Lukas Henzinger, M.Sc.

Mail: Lukas.Henzinger@tum.de

Tel.: 089 / 289 – 27153

Bianca Freibuchner

Mail: bianca.freibuchner@tum.de

Telefon: 089/28927159

TUMexchange – Study Stays Worldwide



TUMexchange benefits

- **Exemption from tuition fees** at the partner universities
- **Recognition** of study achievements abroad
- **Erasmus+ scholarships**
- Training courses on **intercultural communication** at TUM Language Center

Application requirements

- **Matriculation at TUM** at the moment of application as well as during your whole stay abroad
- **Successful completion of at least four semesters** of your Bachelor studies when starting your exchange semester
- **Sound knowledge of the language** of instruction at the partner university
- **Good or very good course achievements.** The required average grade (= Notendurchschnitt) can vary depending on the university's popularity and cannot be determined explicitly

Application procedure

Phase 1: Internal application at TUM Global and Alumni Office (Online)

- Application for a maximum of **two universities**
- Timely submission of **online application**
- **Selection Criteria:**
 - Current average grade of bachelor studies
 - Language proficiency in the teaching language
 - Letter of motivation (academic plan)
- Acceptance/Rejection by TUM G&A **by the end of December 2024**
Please note: Acceptance mail by TUM G&A ≠ Nomination!

Application period for a stay in winter term 2025/26 or summer term 2026:

Tuesday, October 22nd 2024 from 10:00 a.m. to Tuesday, November 5th 2024 10:00 a.m.

Application procedure

Phase 2: External application at the partner university

- **After the official nomination by TUM G&A Office:** Direct application at the partner university
- Acceptance by partner university

Phase 3: Preparation for the stay abroad

- It is your own responsibility to take care of visa application, up-to-date passport, insurances, flights, accommodation, scholarships etc.

Information on our Website

- **Specific information** about your preferred partner university
- **Travel reports** from former exchange students
- **Chances** – Rates of selected students from the last years
- Information about **scholarship options**
- **Download Section** for templates

Scholarships for TUMexchange



Erasmus+ scholarships

- Students selected for certain eligible partner universities automatically receive the scholarship
- Information about necessary documents for the scholarship sent via email from G&A
- Individual support: 700€/month
- Funded stay duration between 2 months and 12 months

Scholarships for TUMexchange participants

TUMexchange partner universities eligible for Erasmus+

- **Argentina:** [Universidad Nacional del Sur](#)
- **Brazil:** [Universidade Estadual de Campinas](#)
- **Brazil:** [Universidade Estadual Paulista 'Júlio de Mesquita Filho' \(UNESP\)](#)
- **Chile:** [Universidad de Concepción](#)
- **India:** [Indian Institute of Technology Madras](#)
- **India:** [Indian Institute of Technology Kharagpur](#)
- **Colombia:** [Universidad de los Andes](#)
- **Mexico:** [Universidad Autónoma del Estado de México](#)
- **Morocco:** [Al Akhawayn University](#)
- **South Korea:** [Pohang University of Science and Technology](#)
- **South Korea:** [Pusan National University](#)

Your TUMexchange Team



Larissa Danschina

Australien, Indien, Kanada,
Neuseeland, Russland,
Singapur, USA, Vietnam



Sabine Pascale

Argentinien, Ägypten, Brasilien,
Chile, Costa Rica, Ghana,
Kenia, Kolumbien, Israel,
Marokko, Mexiko, Peru,
Südafrika



Andreas Mayer

China, Indonesien, Japan,
Malaysia, Philippinen,
Südkorea, Taiwan (China),
Thailand, Vereinigtes Königreich

www.international.tum.de/tumexchange/



Erasmus+ Study Stays and Internships

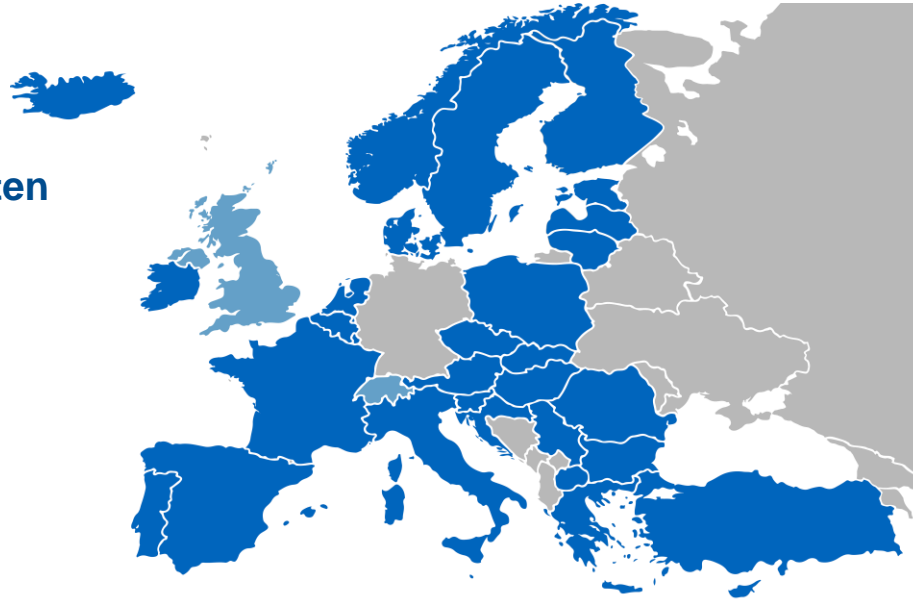


Erasmus+ Study Stays – TUM ED (CEE/GE)

50 Partneruniversitäten

23 Länder

130 Plätze



Austauschmöglichkeiten:

<https://wiki.tum.de/pages/viewpage.action?pageId=887587257#Erasmus+/SEMPCEE/GE-Austausch%C3%B6glichkeiten>

Erasmus+ Study Stays - Benefits

- **Financial support** for your stay abroad
- **Social top up** for students with fewer opportunities
- There are **no tuition fees** at the partner university
- Students can be funded in **each study cycle** (Bachelor, Master, Doctorate) for min. 2 to max. 8 months
- **Recognition** of academic achievements completed abroad
- Application possible from the **1st year of study**
- The semester abroad will be automatically recorded in your **Diploma Supplement**

Erasmus+ Study stays – Application and requirements

- Required level of the **language** of instruction **B1/B2**
- Good academic performance
- Enrollment at TUM during application and entire exchange
- 10 ECTS at the host university
- You can apply for up to 4 universities
- Application period starting in December for the following winter and summer term
- Selection & nomination by TUM ED – CEE / GE

<https://wiki.tum.de/x/uYHnN>

Application period AY 2025/26: 01.12.2024 – 15.01.2025

Erasmus+ Internships

- **Self-organized** internship (also practice-related theses can be funded)
- **Host institutions:** companies, universities, organizations, individual entrepreneurs, NGOs, associations, etc.
- **Duration:** from a **min. two months to a max. 12 months**
- **Max earned salary: 1000 € gross per month**
- Also possible in the first year of study
- Enrollment at TUM (exception: graduate internship must be done up to one year after graduation)
- Application deadline for an internship **within EU:** 4 weeks before start of internship
- Application deadline for an internship **outside EU:** 8 weeks before start of internship

<https://www.international.tum.de/global/erasmuspraktika/>

SEMP – Study Stays in Switzerland



SEMP – Study Stays in Switzerland

- **Exemption of tuition fees** at the partner university
- **Financial Support** for your stay abroad by the Swiss partner university
- **Recognition** of academic achievements completed abroad
- Application possible after two completed study semesters (Bachelor)

- Application during Erasmus+ application round
- Application period starting in December for the following winter and summer terms
- Selection & nomination by TUM ED – CEE / GE

<https://wiki.tum.de/x/uYHnN>

School Partnerships – TUM ED (CEE / GE)



Bild: Leroy Handoyo

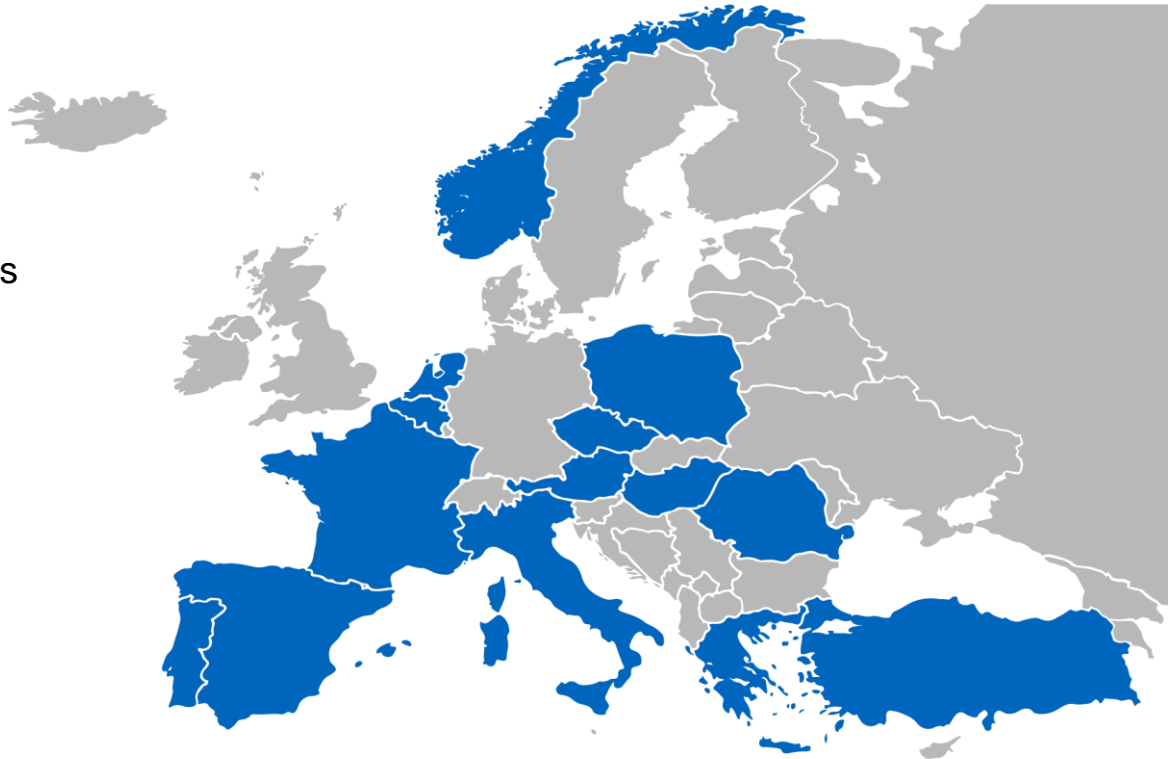
School Partnerships – TUM ED (CEE / GE)

- Additional exchange opportunities for enrolled students of TUM ED (CEE/GE)
- Partnerships at non-European institutions:
 - ❖ German Jordanian University, Jordan
 - ❖ Osaka Institute of Technology, Japan
- Application during Erasmus+ application round
- Application period starting in December for the following winter and summer terms
- Selection & nomination by TUM ED – CEE / GE

<https://wiki.tum.de/x/wIHnN>

ATHENS – Study One Week in Europe

24 Partner Universities
14 Countries



ATHENS – Study One Week in Europe

- **One-week intensive course** on a wide range of topics, from engineering to social sciences
- Participation from the **3rd year of study** (=Bachelor) recommended
- **Two sessions** per year: mid March and mid November
- Complementary **European Dimension Activity** (cultural programme)
- **Recognition** of academic achievements of **2 ECTS** possible
- **ATHENS BIPs** - Blended Intensive Programmes – with the possibility to have recognised **3 ECTS**
- „**First come, first serve**“

Application periods:

September (November session) and January (March session)

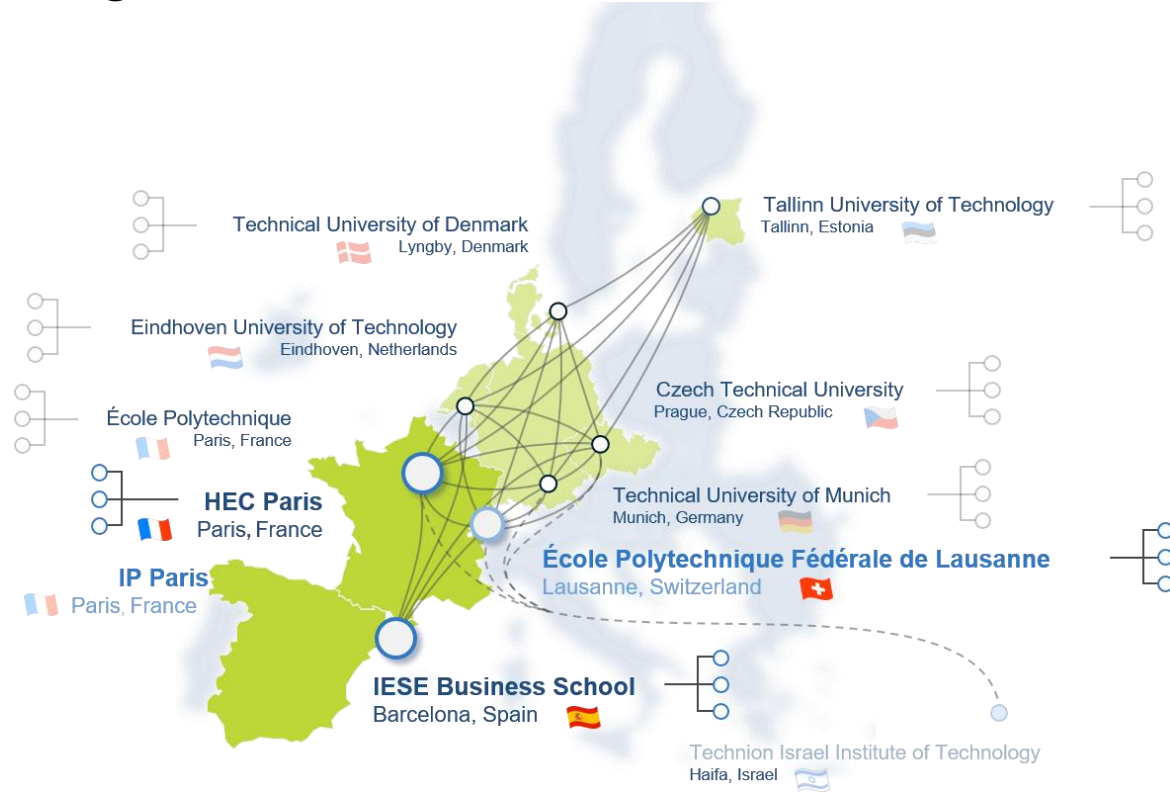
Virtual Learning Opportunities with EuroTeQ



Co-funded by the
Erasmus+ Programme
of the European Union



EuroTeQ – eight excellent technical universities



Virtual Learning Opportunities with EuroTeQ

- **Over 130 virtual and hybrid courses** at **eight** EuroTeQ partner universities (WS 2023/24)
- Completely taught in English (except for the foreign language course offers)
- Participation **free of charge**
- Certificate or transcript of records upon completion
- Possible recognition of achievements
- Take **additional courses** that are not offered at your home university
- **International learning experience from the comfort of you own home!**

Application period winter term 2024/25: 14 May - 29 July 2024

Scholarships for Your Stay Abroad



Scholarships for Your Stay Abroad

PROMOS scholarship (DAAD)

- Final thesis outside of Erasmus+ zone
- Two application deadlines per year (31.05. und 30.11.)
- Financial support of around 400€ for up to 6 months

PROMOS study related group travel

- Study-related green travel inside the Erasmus+ zone
- Has to be accompanied by a university representative (lecturer, research assistant) of TUM
- Financial support of 45€ for up to 12 days

Thinking Green – Climate Friendly Stay Abroad



Thinking Green – Climate Friendly Stay Abroad

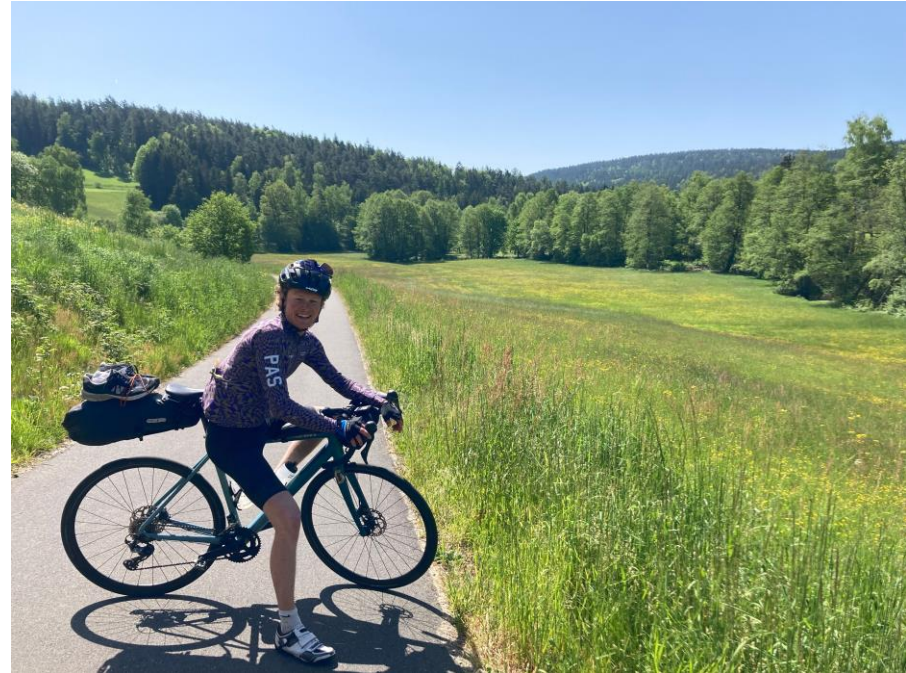
Erasmus+ Green Travel

- Organize your trip environmentally friendly by **train, bus or bicycle**
- Up to 6 additional days can be added to the Erasmus+ grant for green travel

Erasmus+ Award Green Travel from TUM Global & Alumni Office

- Additionally reward of **environmentally friendly travel** to your Erasmus+ destination
- Send **photos, report** or link to your **blog** about your green journey by train, bus, or bike
- Most beautiful examples are awarded between **300 and 500 Euros** – depending on the distance

Thinking Green – Climate Friendly Stay Abroad



Get Involved with ESN TUMi Munich



Get Involved with ESN TUMi Munich

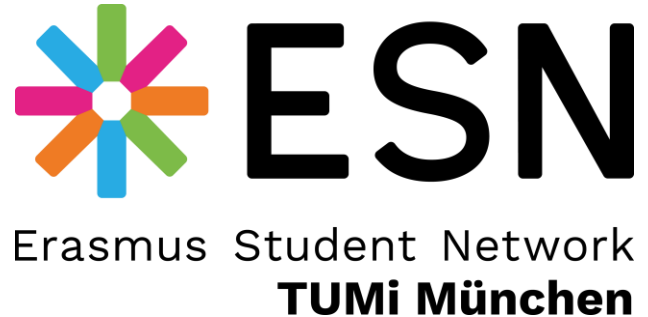
Open for international and local students

Advantages for TUMi tutors

- Experience an international atmosphere in Munich
- Develop language and intercultural skills
- Volunteer
- Continue to live in an international community
- Apply **before the start** of each semester: <https://tumi.esn.world/>

All offers of TUMi are open to all students of TUM (not just international students, but also: YOU!)

- Language café, country evenings, game nights
- Excursions, trips, company visits, theater performances, sports activities & much more...
- Event dates published in the TUMi app: <https://tumi.esn.world/>



Housing Forum at TUM Global & Alumni Office



Housing Forum at TUM Global & Alumni Office

Rent your room/apartment to an international exchange student while you are away.

Your advantages at a glance

- Large selection of possible tenants
- Help for new exchange students
- No organizational effort

How it works

- Fill in the form for housing offers and send it to our incoming team
- All housing offers are published on the incoming website
- Interested exchange students receive your contact details via e-mail
- You decide who gets the accommodation

<https://www.international.tum.de/en/global/going-abroad>

TUM Language Center



TUM Language Center

- Courses in **18 languages**
 - **Free of charge** for TUM students and staff
 - Courses **during the semester** and **block courses** during the semester breaks
 - Courses at **all major TUM campuses**
- Language Certificates (Level A1-C1)
- Intercultural Communication Trainings
- TUMtandem
- English Writing Center

Contact

Nadin Klomke, n.klomke@tum.de
Technische Universität München
TUM School of Engineering and Design
<https://wiki.tum.de/x/bYHQN>

Technical University of Munich
TUM Global & Alumni Office
www.international.tum.de/auslandsaufenthalte

