

# NAWI Master's Degree Mathematics

## Opportunities for completing a part of the studies abroad

### General Information

The NAWI Master's degree *Mathematics* at the University of Graz and Graz University of Technology offers the opportunity to complete a part of the studies abroad. Instead of the **Elective Module C.1** (24 ECTS), a total of 24 ECTS credits can be completed within the framework of the **International Module C.2**, of which at least **18 ECTS must be taken at a university abroad**. The exact details can be found in the curriculum.

### Cooperation Programs

In principle, there are no restrictions on the choice of the foreign university at which the International Module can be completed. However, the partner universities from the cooperation networks **Arqus** and **unite!**, in which the University of Graz and TU Graz respectively participate, are particularly noteworthy:

<https://arqus-alliance.eu/> | <https://www.unite-university.eu/>

### Arqus Network (Partners of the University of Graz)

- ▶ **Universidad de Granada, Spain** (<https://www.ugr.es/en>)  
Focus on engineering mathematics & applications. Instruction mostly in Spanish.
- ▶ **Leipzig University, Germany** (<https://uni-leipzig.de>)  
Modular structure similar to the Master's program in Graz, language of instruction is English.
- ▶ **Université Claude Bernard Lyon 1** (<https://www.univ-lyon1.fr/en>)  
Broad range of courses at Master's level. Instruction mostly in French.
- ▶ **Maynooth University, Ireland** (<https://www.maynoothuniversity.ie/>)  
Small selection of courses in a one-year Master's program.
- ▶ **University of Minho, Portugal** (<https://www.uminho.pt/EN>)  
Focus on "Computation", language of instruction is English.
- ▶ **Università di Padova, Italy** (<https://www.unipd.it/en/>)  
Highly renowned, broad range of courses offered in English.
- ▶ **Vilnius University, Lithuania** (<https://www.vu.lt/en>)  
Focus on modeling and data science, instruction in English.

- ▶ **University of Wrocław, Poland** (<https://uwr.edu.pl/en/>)  
Language of instruction is Polish. There is also a unite! partner at the same location (Wrocław Tech, see below).

### **unite! Network (Partners of TU Graz)**

- ▶ **Aalto University, Finland** (<https://www.aalto.fi/en>)  
Changing curriculum, language of instruction is English.
- ▶ **Universitat Politècnica de Catalunya, Spain** (<https://www.upc.edu/en>)  
Small selection of mathematics courses in English.
- ▶ **TU Darmstadt, Germany** (<https://www.tu-darmstadt.de/>)  
Specialization areas: Interdisciplinary Mathematics, Business Mathematics, Data Science.  
Language of instruction is English.
- ▶ **Técnico Lisboa, Portugal** (<https://tecnico.ulisboa.pt/en/>)  
Broad offering, language of instruction partially Portuguese.
- ▶ **KTH Stockholm and Stockholm University, Sweden** (<https://www.kth.se/en> and <https://www.su.se/english>)  
Highly renowned, extensive range of English-language courses.
- ▶ **Politecnico di Torino, Italy** (<https://www.polito.it/en>)  
Focus on modeling and simulation, instruction mostly in Italian.
- ▶ **Wrocław Tech, Poland** (<https://pwr.edu.pl/en/>)  
Focus on applied mathematics, instruction in English.

### **Advising and Contact Persons**

A stay abroad for study purposes should, of course, be well prepared. Sometimes it is not easy to obtain information about the availability of courses at foreign universities. We strongly recommend that you contact a member of the teaching staff at the University of Graz or TU Graz, depending on your area of interest, to discuss a possible selection of courses.

This applies not only to stays within the Arqus or unite! programs. We are happy to help all students of the Master's program *Mathematics* in Graz with the planning of a study stay abroad. We also point out that the planning of a stay abroad should, of course, be started as early as possible.

Contact persons, depending on the mathematical focus of interest: see next page.

<b>Area of Interest</b>	<b>Contact Persons</b>
General inquiries	Christoph Aistleitner (c.aistleitner@tugraz.at) Christian Clason (c.clason@uni-graz.at)
Algebra, Analysis, Number Theory	Christoph Aistleitner (c.aistleitner@tugraz.at) Martin Kalck (martin.kalck@uni-graz.at)
Applied Mathematics, Numerics, Modeling	Christian Clason (c.clason@uni-graz.at) Günther Of (of@tugraz.at)
Discrete Mathematics, Optimization	Christian Clason (c.clason@uni-graz.at) Eranda Dragoti-Cela (e.dragoti-cela@tugraz.at)
Financial Mathematics, Data Science, Statistics	Gunther Leobacher (gunther.leobacher@uni-graz.at) Stefan Thonhauser (stefan.thonhauser@tugraz.at)
Geometry, Topology	Johannes Wallner (j.wallner@tugraz.at)

General information on studying abroad can also be found on the webpages of the University of Graz and TU Graz:

[https://www.uni-graz.at/en/study/studying-at-the-university-of-graz/  
study-semester-abroad/](https://www.uni-graz.at/en/study/studying-at-the-university-of-graz/study-semester-abroad/)

[https://www.tugraz.at/en/studying-and-teaching/studying-internationally/  
outgoing-students-study-abroad](https://www.tugraz.at/en/studying-and-teaching/studying-internationally/outgoing-students-study-abroad)