



Deutscher Akademischer Austauschdienst  
German Academic Exchange Service



## Table of Contents

<b>Master's degree .....</b>	<b>2</b>
<b>International Master's Mathematical Analysis and Modelling • University of Augsburg • Augsburg..</b>	<b>2</b>

# Master's degree



## International Master's Mathematical Analysis and Modelling

University of Augsburg • Augsburg

### Overview

Degree	Master of Science in Mathematical Analysis and Modelling
In cooperation with	Université de Rouen Normandie, Università di Napoli Federico II, Universidad de Sevilla, (Tomsk State University)
Teaching language	<ul style="list-style-type: none"><li>English</li></ul>
Languages	Courses are taught in English. Courses may be taught in German if requested by all of the participants.
Full-time / part-time	<ul style="list-style-type: none"><li>full-time</li></ul>
Programme duration	4 semesters
Beginning	Winter semester
Application deadline	15 June for the following winter semester
Tuition fees per semester in EUR	None
Combined Master's degree / PhD programme	No
Joint degree / double degree programme	Yes
Description/content	<p>The Mathematical Analysis and Modelling (MAM) programme is a two-year (four semester) Master's programme (120 ECTS). It is taught in English. One semester, typically the third semester, is to be spent at a foreign university. If the foreign university is one of the four partners (in France, Italy, Spain and [Russia]), a double degree can be obtained.</p> <p>Mathematical Modelling and Analysis are fundamental tools in most scientific and technological advances nowadays. Mathematical models are widely used in natural sciences (physics, chemistry, biology, meteorology, medicine, ...), in architecture and engineering (engineering mechanics, civil, computing, ...) and in the social sciences (economics, psychology, sociology, ...). This makes Mathematical Modelling and Analysis a field of high demand, not only in the academic world but also from the labour market in many sectors of society and business. The main objective of the MAM degree is to provide top-ranked students with an excellent background in applied mathematics. Students who successfully complete the programme have knowledge of effective methods for solving problems and skills in the use of powerful computation software.</p>

## Course Details

<b>Course organisation</b>	Typically, the first two semesters are to be spent in Augsburg with lectures and seminars in courses related to Mathematical Analysis and Modelling. A software project and soft-skill courses (including language courses) are part of the programme. The third semester is to be spent at a foreign university, while the fourth semester is reserved for the Master's thesis and its defence.  <a href="#">» PDF Download</a>
<b>A Diploma supplement will be issued</b>	Yes
<b>International elements</b>	<ul style="list-style-type: none"><li>• Integrated/optional study abroad unit(s)</li></ul>
<b>Integrated/optional study abroad unit(s)</b>	One semester, typically the third semester, is to be spent at a foreign university. If the foreign university is one of the four partners (in France, Italy, Spain and [Russia]), a double degree can be obtained.
<b>Course-specific, integrated German language courses</b>	No
<b>Course-specific, integrated English language courses</b>	No

## Costs / Funding

<b>Tuition fees per semester in EUR</b>	None
<b>Semester contribution</b>	No tuition fees are charged for the programme. Currently, a contribution of 127.50 EUR per semester is charged as a registration fee and for student services including unlimited local bus & tram use.
<b>Funding opportunities within the university</b>	No

## Requirements / Registration

<b>Academic admission requirements</b>	A recognised Bachelor's degree in mathematics as well as the successful completion of the entrance procedure
<b>Language requirements</b>	Applicants should be able to prove that they have a level of English equivalent to level C1 and a level of German equivalent to A2. The language proficiency is proven by corresponding certificates

or during an interview as part of the entrance procedure.

**Application deadline** 15 June for the following winter semester

**Submit application to** Universität Augsburg  
PA MAM - Prof Dr Dirk Blömker  
86135 Augsburg  
Germany

## Services

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**Support for international students and doctoral candidates**

- Welcome event
  - Buddy programme
  - Specialist counselling
  - Cultural and linguistic preparation
  - Visa matters
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## Contact

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🌐 Course website: <https://www.uni-augsburg.de/en/fakultaet/mntf/math/studium/studiengaenge/mamo/>

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# International Programmes in Germany - Database

[www.daad.de/international-programmes](http://www.daad.de/international-programmes)  
[www.daad.de/sommerkurse](http://www.daad.de/sommerkurse)

## Editor

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## GATE-Germany

Consortium for International Higher Education Marketing  
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