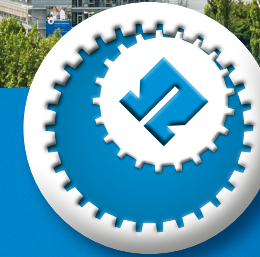




www.th-nuernberg.eu



Impressions from Nuremberg



Campus Keflerplatz

Our Campus

The Nuremberg Institute of Technology (Nuremberg Tech) is situated close to the city center. The campus buildings, library, and cafeteria are all within walking distance. The nearby parks are ideal for walking or relaxing after or between lectures.

City of Nuremberg

The city is located in the south of Germany - a medieval, historic and at the same time very modern city in Bavaria.

A few characteristics of the city:

- Internationally renowned trade center in the middle of Europe
- Beautiful historic setting with medieval architecture
- Safe and multicultural city with a variety of cultural and musical events
- Outstanding transport links and easy access to other European countries
- Ideal location for leisure activities
- Unique Franconian cuisine

Get in touch with us!

More information about the AMSMA summer school at www.th-nuernberg.de/amsma-summer-school

If you have any questions regarding the summer school (course content, accommodation options, leisure programme, etc.), please feel free to contact us at: amsma-summer-school@th-nuernberg.de.



Dezember 2021 / Fotos: TH Nürnberg, Adobe Stock

Additive Manufacturing and Simulation for Medical Applications Summer School



AMSMA 22 Summer School

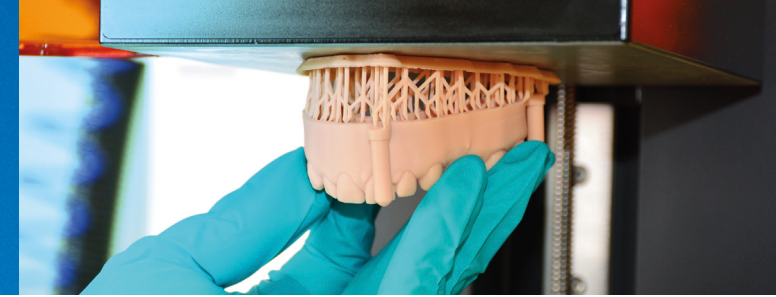
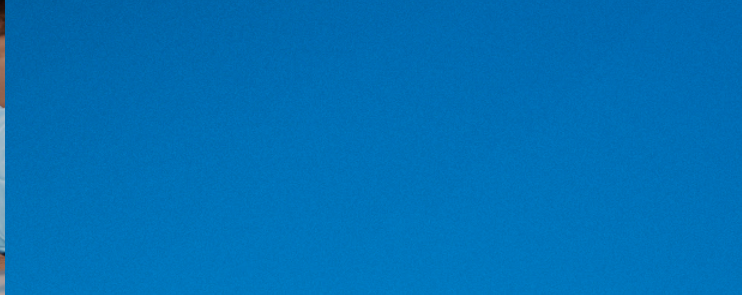


www.th-nuernberg.eu

SPONSORED BY THE



Deutscher Akademischer Austauschdienst
German Academic Exchange Service



Contents of the AMSMA Summer School

In this summer school you will acquire knowledge and experience in the fields of development, simulation, and additive manufacturing for medical applications.

You will work in a group with other international students on an interdisciplinary development project on an in-ear device. In the lectures, you will learn about development methods, processes, and software tools, which you will apply directly with fellow students and professors in a medical technology project.

In addition, you will carry out practical work in the laboratory on 3D printing, 3D scanning, FEM, material testing, and flow investigations.

Online courses to prepare for the summer school will be available for participants.

Week 1						
	Monday	Tuesday	Wed.	Thursday	Friday	Saturday
9.00-12.00	Welcome & Introduction	Lecture/laboratory Reverse Engineering & μ CT	Lecture FEM	Lecture SciLab/ Matlab	Lecture CFD	Guided excursion
break						
13.30-16.30	CAD & Project Management	Project work	Guided excursion	Project work	Project work	Guided excursion

Week 2					
	Monday	Tuesday	Wednesday	Thursday	Friday
9.00-12.00	Lecture Additive Manufacturing	Lecture/laboratory Testing + Acoustics	Lecture/ laboratory Wind Tunnel	Project work	Project work
break					
13.30-16.30	Project work	Project work	Guided excursion	Project work	Presentation

guided leisure programme in franconia

About Nuremberg Tech



With more than 13,000 students, Nuremberg Tech is the largest university in the city of Nuremberg and is known for its wide range of degree programmes and services. Our main campus is located around the Wöhrder Wiese city park close to Nuremberg's downtown area. The campus includes a cafeteria and a university-associated kindergarten called milliOHM.

Facts about AMSMA Summer School

"Additive Manufacturing and Simulation for Medical Applications" (AMSMA) summer school

Language: English

Workload: 5 ECTS

Lecture period: 18 July to 29 July 2022

Application period: 1 January to 30 April 2022

Location: Nuremberg Institute of Technology, Bavaria, Germany

Admission requirements: You are graduating soon from a bachelor's programme or you are currently enrolled in a master's programme with a technical orientation (e.g. mechanical engineering or mechatronics)

Costs for course participation: 400 €

Apply by 31 March for a 100 € early-bird discount!
250 € for students from partner universities

Further costs to be covered by the participants: Travel, accommodation, insurance, meals, other costs

How to apply?

Please send your application (short cover letter + CV) to:
amsma-summer-school@th-nuernberg.de

Application period: 1 January to 30 April 2022

Combine the summer school with your master's thesis!
We offer topics for master's theses from various fields, which you can work on at Nuremberg Tech following the summer school.