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# Language course/short course



## Robotics for Future Industrial Applications Summer School

RWTH Aachen University • Aachen



## Overview

Course location	Aachen
Teaching language	<ul style="list-style-type: none"><li>English</li></ul>
Language level of course	<ul style="list-style-type: none"><li>English: B2</li></ul>
Date(s)	<ul style="list-style-type: none"><li>August 2021 (Registration deadline of course provider: May 01, 2021)</li></ul>
Target group	<ul style="list-style-type: none"><li>✓ BSc/BE students enrolled at a renowned university</li><li>✓ Studying mechanical engineering or a related field</li><li>✓ Minimum age to participate is 18</li><li>✓ Minimum English language proficiency equivalent to:<ul style="list-style-type: none"><li>• TOEFL ibt : 72 points</li><li>• IELTS: 5.5 band score</li><li>• TOEIC: 785 points</li><li>• Cambridge: FCE, Grade C</li><li>• CEFR = B2</li></ul></li></ul> <p><b>Please note:</b> Interested students must possess basic skills in programming (C++, Java or Python) and show strong interests in programming. Advanced programming skills are beneficial. Moreover, basic skills in robotics, artificial intelligence or neural networks are desired, but they are not mandatory.</p> <p>Have a look at our <a href="#">application information</a> and check out our <a href="#">FAQ!</a></p>
Description/content	<p>For further information about this programme, <a href="#">click here</a>.</p> <p><b>Academic Content</b></p> <p>This summer school programme is all about advanced robotics. Headed by the Cybernetics Lab of RWTH Aachen, students explore future industrial applications and the role of robotics. Using C++, Java or Python skills, the challenges and opportunities of AI and neural networks are explored and tested in practical applications.</p>
Average number of hours per week	30

Average number of participants per group/course 25

## Costs / Funding

Dates and costs • August 2021 (Registration deadline of course provider: May 01, 2021), costs: EUR 2,990

This price includes

- Course fees
- Accommodation
- Accompanying programme

Further information on dates and prices The programme fees amount to 2,990 EUR for the three-week summer school programme.

The programme fees contain an **"all-inclusive" package**

- ✓ Lectures
- ✓ Course materials
- ✓ Excursions and social events
- ✓ Accommodation (usually three- or four-bed rooms)
- ✓ Breakfast and lunch on weekdays
- ✓ Snacks or meals during selected social events
- ✓ A local public transportation ticket for the respective time in Aachen
- ✓ Our RWTH International Academy App

## Requirements / Registration

Teaching language • English

Language level of course • English: B2

Language requirements We don't require an English language proficiency test. However, we recommend a self-evaluation of your English language level according to one of the following scores to make sure that you are able to follow the lessons:

- TOEFL ibt : 72 points
- IELTS: 5.5 band score
- TOEIC: 785 points
- Cambridge: FCE, Grade C
- CEFR = B2

Submit application to Apply for the summer school programmes via our [online application](#) form. For detailed information, please visit the [programme website](#).

EARLY BIRD DEADLINE: 1 MARCH 2021

APPLICATION DEADLINE: 1 APRIL 2021

Your short-term programme team wishes you good luck!

## Services

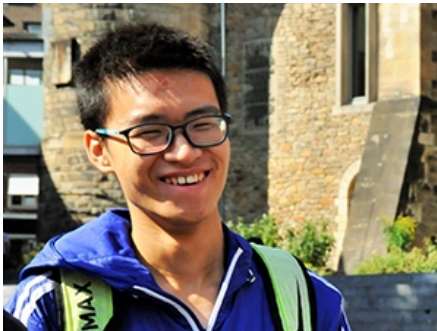
<b>Is accommodation organised?</b>	Accommodation is arranged by the organiser.
<b>Type of accommodation</b>	<p>All boarding houses and student accommodations are located close to the city centre, allowing for easy and convenient transportation within Aachen as well as to neighbouring cities. The following information relates to the size and furnishing of standard rooms, but please note that rooms might differ from these standards. Unfortunately, a choice of rooms is not possible.</p> <p>Since all participants of each individual programme will be staying in the same accommodation, you will get to know your classmates better by living in an environment that is similar to the dorms offered by the university.</p> <p><b>Key facts</b></p> <ul style="list-style-type: none"><li>• Accommodation in three- or four-bed rooms</li><li>• Bathroom en-suite</li><li>• Internet access included (free Wi-Fi, quality might vary)</li><li>• Kitchen (might vary)</li><li>• Tap water is drinkable</li><li>• Linen included</li><li>• One towel will be provided (please bring more if required)</li><li>• Laundry service nearby</li></ul>
<b>Meals</b>	<p>Breakfast and lunch as well as snacks during selected events are included in the programme fees. For more details, please read the information below.</p> <p><b>Breakfast</b></p> <p>From Monday to Friday, breakfast is included in the programme fees.</p> <p><b>Lunch</b></p> <p>We will provide lunch from Monday to Friday at the RWTH student restaurant. A student restaurant card will be provided on your first day.</p> <p><b>Dinner and meals at weekends</b></p> <p>Participants have to provide their own meals at weekends and in the evening on weekdays. A personal budget for individual needs is advised.</p>
<b>Is a social and leisure programme offered?</b>	Yes
<b>Description of social and leisure programme</b>	<p><b>SOCIAL EVENTS – Have Fun While Studying!</b></p> <p>We offer you a wide range of social activities to experience German culture and student life at RWTH Aachen University (subject to availability depending on the programme).</p> <ul style="list-style-type: none"><li>• On-site company visits of RWTH's industrial partners</li><li>• Guided tours of RWTH institutes and renowned research centres</li><li>• Intercultural training</li><li>• City excursions: Maastricht (NL), Cologne, Bonn</li><li>• Hiking tour to the border triangle</li><li>• City rally</li><li>• Sports day</li><li>• Barbecue</li><li>• Dinner night</li><li>• Karaoke night</li></ul>

- Get-togethers with your summer mentors

#### SUMMER MENTORS

All summer school programmes will have their own summer mentors, who will help you to get to know Aachen from a true student's perspective. With the support of the mentors, who are typically students enrolled at RWTH Aachen University, you will learn more about academic and cultural practices in Germany.

Free internet access	Yes
Support in visa matters	Yes
Pick-up service from train station/airport	Yes



RWTH International Academy

**Xiang Li**  
Summer School

„When I arrived in Aachen, I was deeply amazed by this small city. It has a spectacular and solemn cathedral, neat streets and a beautiful sky. Teachers and assistants were always accommodating and patient with us. I gained a lot of practical knowledge here, and I enjoyed the city excursion to the Netherlands and other leisure activities.“



### RWTH Summer School – Robotics for Future Industrial Applications

The lectures introduce fundamental theoretical knowledge in robotics and are complemented by lab classes, in which students apply their acquired knowledge in practical projects.

» more: <https://bit.ly/2ycDcYS>

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# RWTH Aachen University

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With 260 institutes, nine faculties and three Clusters of Excellence, RWTH Aachen University is one of Europe's leading institutions for science and research. Currently, more than 45,600 students are enrolled in 162 courses of study. Of these students, 11,280 are international students. RWTH Aachen is well-known for its state-of-the-art education that tackles some of the world's most pressing global challenges. Our graduates are highly sought after by businesses and industry as trainees and for executive positions.

As the official academy for education of RWTH Aachen University, RWTH International Academy is tasked with promoting and developing the integration of professional and academic education. Our goal is to make knowledge accessible to international participants through application-oriented educational formats and programmes, thus making a lasting contribution to lifelong learning.



## University location

[The student city of Aachen](#) is a vibrant and historic place located at the border triangle of Germany, Belgium and the Netherlands. Aachen was a favoured residence of Charlemagne. After the departure of the Romans from this region, Charlemagne finally managed to forge the lion's share of Europe into something that resembled an administrative unity, with Aachen as the beating heart of the empire. The "Rathaus" (city hall) and "Dom" (cathedral) bear witness to this earliest Carolingian building history. During your time in Aachen, you have the opportunity to discover the city, its history and its most important sights. Moreover, you will experience student life at one of Europe's leading technical universities and become part of the international student community. There is no better place to encounter European culture while challenging yourself in our programmes.

# Contact

RWTH Aachen University  
RWTH International Academy

Campus-Boulevard 30  
52074 Aachen

✉ [ShortCourses@academy.rwth-aachen.de](mailto:ShortCourses@academy.rwth-aachen.de)

🌐 Course website: <https://bit.ly/2zGXdaz>

Short Term Programs Team

Tel. [+49](tel:+49)

📘 <https://bit.ly/2KMxEqE>

🐦 <https://bit.ly/3bNqsGT>

📷 <https://bit.ly/3aTjEGB>

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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

DAAD - Deutscher Akademischer Austauschdienst e.V.  
German Academic Exchange Service  
Section K23 – Information on Studying in Germany  
(responsible: Judith Lesch)  
Kennedyallee 50  
D-53175 Bonn  
[www.daad.de](http://www.daad.de)

## GATE-Germany

Consortium for International Higher Education Marketing  
[www.gate-germany.de](http://www.gate-germany.de)

## Disclaimer

The data used for this database was collected and analysed in good faith and with due diligence. The DAAD and the Content5 AG accept no liability for the correctness of the data contained in the "International Programmes in Germany" and "Language and Short Courses in Germany".

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