



## Content of this brochure

Find out why a Short Course is a wonderful way to develop your skills. Choose between a variety of relevant topics and enjoy a full supporting program. Whether on campus or online - with our contents, social events and industry connections you profit from a great experience.

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# Short Courses at RWTH International Academy Aachen

## Summer Schools & Online Courses 2022

# About RWTH Short Courses

## Broaden your horizon and boost your career

Short Courses enrich your knowledge, enhance your Curriculum Vitae and entail a great experience. The different programs take place over a short period of time, so you can complete them easily during your Bachelor's degree or before starting your Master's degree.

In our Short Courses you develop practical ideas together with renowned professors, get to know German industry & institutions and expand your skills with hands-on case studies. We offer you a wide range of social events to experience an unforgettable time, full of cultural and fun activities – even in our Online Courses.

### Summer & Winter Schools

**Spend an unforgettable time abroad in Germany at RWTH Aachen University**

Get on an airplane, find your way to our campus and feel welcome: In our presential Summer and Winter Schools, you benefit from a comfortable stay, that we entirely organize for you. This includes your accommodation, two meals per weekday, topic-related excursions and fun-only city trips. Plus, you receive the personal support from local mentors who regularly study at RWTH Aachen University. This way, you don't only hear about Aachen's speciality: bar cookies called „Printen“. No, you can meet up, visit a café and taste them. Become part of a global community and meet friends from all over the world!



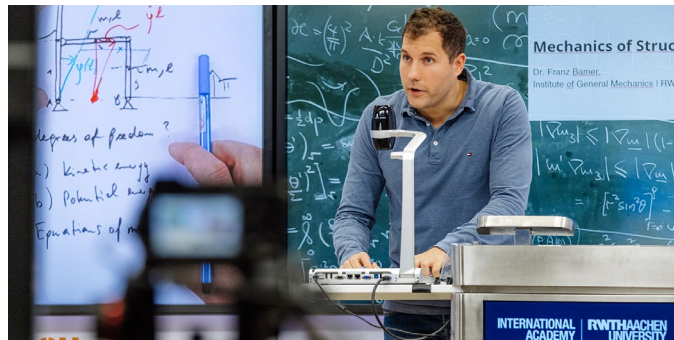
\*find this sign to mark all additional benefits of our on-campus programs



### Online Courses

**Expand your skills from home and have fun at the same time**

You only have a limited time frame to broaden your horizon and cannot travel? No problem - our interactive Online Courses give you the freedom to study a special topic, make connections to German industry and virtually meet new friends. We unite a few hours of live teaching, discussions and group experiences with the flexibility to go through further materials whenever you like. On our online learning platform, you find pre-recorded lectures and reading materials, quizzes and forums. Plus, we invite company experts to present their daily work with your Short Course topic. You also want to learn more about Germany and Aachen? Easy: Just join our online social events and have intercultural meet-ups with your mentors.



## Important Quick Facts



**Teaching: On campus, online or blended**



**Duration: 2-4 weeks**



**Workload: 50-120 Teaching Hours**



**Credit Points: 2-4 ECTS**



**Qualification: RWTH Aachen University Certificate**



**Language: English**

## Contact Information



**RWTH International Academy Aachen**

Short Courses Team

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

[www.academy.rwth-aachen.de/short-courses](http://www.academy.rwth-aachen.de/short-courses)

# Program Structure

## Benefit from an extensive package

### All Short Courses: Online and on Campus

#### Academic Content

Our learning platform is filled with slides, videos, texts and quizzes to check your advancement - whether you join an Online Course or an on-campus program.

- ▶ Lectures
- ▶ Exercises
- ▶ Case studies
- ▶ Experiments

#### Supporting Program

Related to your specific course topic you will make great contacts to companies' speakers, visit laboratories or production lines. Besides that, enjoy our city trips, learn about our food, sing karaoke and meet people your age.

##### Academic Program

- ▶ Company / Institute visits
- ▶ Lab tours
- ▶ Expert talks

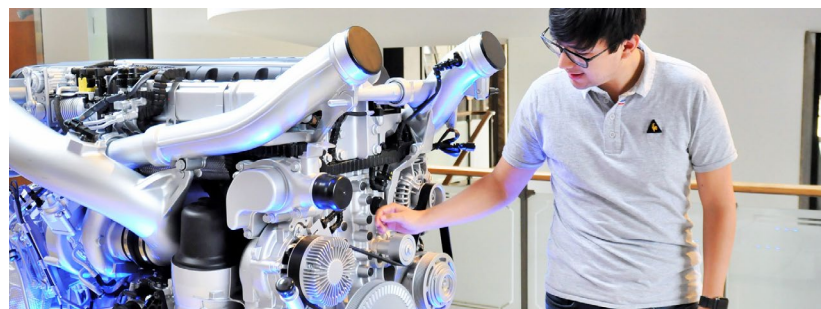
##### Social Program

- ▶ Social events
- ▶ Student life in Aachen
- ▶ Mentor program

#### Career Services

We supply you with a career portal to get in contact with prospective work places and receive tips on how to write your CV or master a job interview.

- ▶ Career portal
- ▶ Webinars & trainings
- ▶ Networking & alumni events
- ▶ Individual coachings



#### On Campus

#### Comfortable Stay

While all the other aspects count for Online Courses as well as for programs on campus, there is something on top when you travel to Germany: a package for your comfortable stay.

- ▶ Accommodation
- ▶ Two meals per day on weekdays
- ▶ Local transportation ticket
- ▶ Emergency contact on site
- ▶ Help with visa and insurance
- ▶ Travel tips and full-time support

# Why is a Short Course a great option?

## Qualify yourself for your further career

Taking a Short Course is the perfect way to expand both your academic knowledge and your professional skills, and learn more about different cultures and industries at the same time. Since they also bring along incredible travel experiences, Short Courses are becoming increasingly popular among international students who want to get hands-on training in less time than it takes to complete a full degree program.

### Your benefits of participating in RWTH Short Courses

- ▶ Gain valuable skills and deepen your knowledge in a specific field of your choice
- ▶ Learn from top academics and professionals
- ▶ Join interactive lectures, exercises, Q&As and discussions
- ▶ Experience the excellent educational environment of RWTH Aachen University and prepare yourself for a master's degree or further education
- ▶ Learn through a practical exploration of your favorite topics with case studies, lab work and experiments
- ▶ Be awarded with a valuable RWTH certificate for your CV
- ▶ Stand out in the global job market



The quality of both the lectures and social events was outstanding. The best part of the lectures was being able to learn about science and technology from the basics to advanced level.

One thing I regret is not participating in this Summer School sooner, because the sooner you study abroad, the more motivated you will be towards your studies in the following years.



Miki Saito, Japan  
Short Course 2021

### Experience an unforgettable time

Enjoy a fun supporting program and engage in intercultural exchange - even online: Meet like-minded people from all over the world and get inspired by their different cultures. Our diverse peer activities provide unique insights into the way of living in Germany. On-campus programs top this package with travel opportunities in Europe.

### Mentoring Program

All courses have their own mentors, who will help our participants to get to know Aachen from a true student's perspective. Your buddies, who are typically students enrolled at RWTH Aachen University, are part of our social events and guide you through the academic and cultural practices in Germany.



# Studying at RWTH Aachen University

## One of Europe's leading science and research institutions

RWTH Aachen University is one of the Germany's elite universities and one of the most highly recognized technical universities in Europe. It is a place where the future of our industrialized world is thought out: the university is proving to be a hotspot with increasing international recognition where innovative answers to global challenges are developed.

### Why should you choose RWTH Aachen University?

- ▶ Top-ranked university in science and technology
- ▶ An extensive academic program from various RWTH institutes awaits you
- ▶ Together with renowned professors you develop practical solutions
- ▶ With hands-on case studies and real-life examples you expand your hard skills
- ▶ During company visits you gain insights into German industry and organizations
- ▶ RWTH lecturers and experts connect you with future workplaces
- ▶ Member of IDEA League and TU9
- ▶ More than 15 years of experience with Short Courses



Aachen is a very welcoming and diverse city, it was very easy to feel like home living for a month in such a beautiful place. I had an amazing experience meeting people from different countries and cultures during the Summer Course.

Studying in RWTH was a great way to get to know more about Germany, it's opportunities and traditions.



Lara Tannus, Brazil  
Short Course 2019

### Aachen - History meets technology in the heart of Europe

Aachen is a medium-sized city with a rich history dating back to Roman times. Aachen's historic center around the distinctive cathedral, a UNESCO world heritage site, is characterized by its international student life. In the old town center, with its pubs, restaurants and shops, one can literally touch European history. The great number of students makes student life in Aachen a vibrant and unique experience.

In addition to this, Aachen and its region is a high-tech location and platform for innovative exchange of ideas and know-how. A great transfer between science and industry creates an international business place for renowned companies and future-oriented startups.





# What makes RWTH courses special?

## Benefit from a broad supporting program

During all our Short Courses you do not only expand your academic knowledge, but also benefit from our broad supporting program! Get in touch with excellent science and research through our institute, lab and company visits. Expand your network with international students, professors and industry partners, be part of a global community and meet friends from all over the world.

### Insights into German Industry

Through our academic excursions, your path to academic and career success is deepened. We offer you insights into German industry and the opportunity to build a network with which you can make a sustainable investment in your future.

- ▶ Institute, lab and company visits
- ▶ Expert talks with professors and industry partners
- ▶ Networking with German companies and organizations

### Social Events and Activities

Get ready for an unforgettable time, full of cultural and fun activities! We organize a wide range of social events to help you experience German culture and student life at RWTH Aachen University. Make the most of your freetime, meet the other participants who come from all over the world and spend time with our local team in a great atmosphere and create amazing memories.

- ▶ Ice-breaking, intercultural training & team-building
- ▶ Sports day & Karaoke night
- ▶ Outdoor barbeque or dinner night
- ▶ Honoring events: welcome and certificate ceremony

### Traveling Germany and Europe

Only a few kilometers from the city center, one can find the "Border Triangle" where the frontiers of Belgium, Netherlands and Germany meet. The attraction of living in this area includes a colourful mix of languages and people as well as short travel distances to cities such as Amsterdam, Brussels, Cologne or even Paris.

[▶ read more](#)

- ▶ City rally to explore Aachen
- ▶ Hiking tour to the Border Triangle
- ▶ Trips to Maastricht, Cologne or Bonn

## What's included when you come here? Enjoy a comfortable stay in Aachen

It is a brave decision to study abroad in a foreign country. We understand the challenges upon arrival and therefore provide our participants a carefree stay in the charming historic city of Aachen. You don't have to worry about finding a well-located room since our team organizes your accommodation, transportation and catering in advance. All you need to take care of is your flight, insurance and visa. We are happy to support you regarding these topics via email.

### The program fees of each program contain:

- ▶ Accommodation (in a hostel or student dorm)
- ▶ Breakfast and lunch on weekdays
- ▶ A local public transportation ticket
- ▶ Broad supporting program
- ▶ Personal support from local mentors
- ▶ Emergency contact
- ▶ Certificate from RWTH Aachen University

### Details: Housing, Catering & Transportation

For the duration of your Summer or Winter School you will be staying at one of Aachen's boarding houses or in a student accommodation on campus. From Monday to Friday, breakfast is included in the program fees and we provide lunch at the RWTH student restaurant. A student restaurant card will be handed out to you on the first day.

All students receive a public transportation ticket on their arrival day. This allows you to easily travel to and from your lectures. With this ticket you can explore the city of Aachen by bus and even visit the neighboring city Vaals in the Netherlands.

[> read more](#)



My 4-week stay in Aachen was intense and full of rich experiences. The program of the course had a lot of interesting cultural activities, excursions, company visits, theory and practice, and it was also a great opportunity to meet new places and people from all over the world.

I fell in love with Aachen and I'm very grateful to RWTH and the International Academy for providing me such a great month I'll never forget.



Vitor Faria, Brazil  
Short Course 2019



# How to become a participant

## We support you each step of the way

The registration period for our Short Courses regularly starts on November 1 of the year before. Remember to sign up well in advance since planning ahead allows enough time for the admission procedures, your individual travel preparations or getting to know our digital learning tools. We are looking forward to hearing from you!

### Where to sign up for our Short Courses

The registration process for our courses is very easy! Simply visit our website and select the program you want to sign up for. Don't worry, you have the chance to apply for multiple programs at the same time. The „Sign up“ button takes you to a form where you can enter your data and upload all necessary documents.

### Required Documents

Please prepare the following documents English:

- ▶ Your Cover Letter
- ▶ Your Curriculum Vitae (Resume)
- ▶ Your academic records (Transcript of Records)
- ▶ A color photo of yourself
- ▶ Additional documents to support your application (optional)
- ▶ English Proficiency Test (optional)



Final Application Deadline:  
On-campus programs: April 1/May 1, 2022  
Online Courses: 8-10 weeks prior to start

### Student's profile

Every year we welcome students from all over the world. You can become part of our international student community if you:

- ▶ are at least 18 years old
- ▶ pursue your higher education
- ▶ have your 1st/2nd year of studies completed
- ▶ study a degree related to our program
- ▶ are proficient in the English language

Please find course-specific requirements on the program pages.

[> read more](#)





# Our financial support for you

## Early Bird Discount & Scholarship Opportunities

We believe that high-quality education should be available to everybody, regardless of their financial situation in life. So our team is glad to announce that we award scholarships for selected on-campus Summer School programs every year. This means that you could have the opportunity to attend one of our courses for much less - the program fee will be reduced by 33%! For those who are not eligible for a scholarship we also offer an Early Bird discount on all on-campus programs.



Deadline:  
March 1, 2022

### Early Bird Discount - get 10% off!

If you complete your registration and submit it until March 1, 2022, you benefit from our 10% Early Bird discount. This applies for all on-campus Summer School programs.

Remember to sign up well in advance! Planning ahead also allows enough time for the admission procedures.

### How to become a scholarship holder

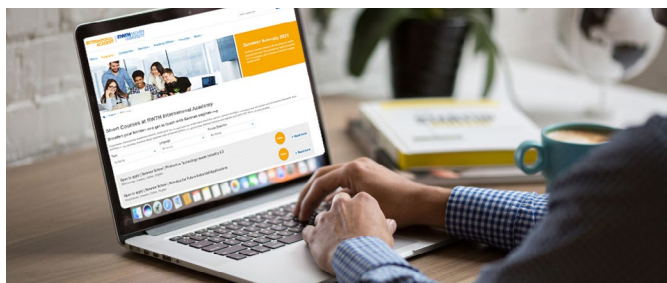
If you are studying a degree related to our programs in one of our designated countries, you are eligible for our scholarships. Especially female applicants are strongly encouraged to apply.

In addition to the usual application requirements, you should

- ▶ have outstanding grades and references
- ▶ stand out with extracurricular activities and achievements
- ▶ have fun studying and supporting us as our ambassador
- ▶ include a letter of recommendation to your application
- ▶ highlight your motivation and goals

### Eligible scholarship countries 2022

- ▶ Australia
- ▶ Brazil
- ▶ Canada
- ▶ Colombia
- ▶ Egypt
- ▶ Indonesia
- ▶ South Korea
- ▶ Malaysia
- ▶ Russia
- ▶ Turkey



You find the Summer Schools our scholarships apply to in 2022 on our [website](#).



# All Short Courses 2022

## Online Courses & On-campus Programs at RWTH International Academy

Every year we work on our portfolio to make sure to offer you the most interesting and innovative topics in our Short Courses.

Feel free to check out more information about the contents of each course on the respective program website.



### Mechanical Engineering

Automotive & Mobility Studies

On-campus | 4 weeks | Jun 13 - Jul 08 | 3,750 €

[> read more](#)

Robotics, Communication Networks & Innovation

On-campus | 3 weeks | Jul 04 - 22 | 2,990 €

[> read more](#)

Automation & Simulation

On-campus | 3 weeks | Jul 11 - 29 | 2,990 €

[> read more](#)

Robotics for Future Industrial Applications

On-campus | 3 weeks | Aug 01 - 19 | 2,990 €

[> read more](#)



### Production Management

Sustainable Supply Chain Management in Industry 4.0

Online Course | 3 weeks | Feb 07 - 25, 2022 | 1,194 €

[> read more](#)

Agile Innovation

Online Course | 2 weeks | Feb 28 - Mar 11 | 1,194 €

[> read more](#)

Supply Chain Management & Logistics

On-campus | 2 weeks | Jun 20 - Jul 01 | 1,990 €

[> read more](#)

Production Technology meets Industry 4.0

On-campus | 3 weeks | Aug 01 - 19 | 2,990 €

[> read more](#)



### Interdisciplinary Studies

Smart Electrical Power Systems

On-campus | 2 weeks | Jul 04 - 15 | 1,990 €

[> read more](#)

Energy Performance of Buildings & Districts

On-campus | 2 weeks | Jul 18 - 29 | 1,990 €

[> read more](#)

European Studies

On-campus | 3 weeks | Jul 25 - Aug 12 | 2,990 €

[> read more](#)

German Engineering, Language & Culture

On-campus | 3 weeks | Aug 22 - Sep 09 | 3,750 €

[> read more](#)



# RWTH International Academy

## Further education of RWTH Aachen University

As the official academy for further education of RWTH Aachen University, RWTH International Academy is tasked with promoting and developing the integration of professional and academic education. The goal hereby is to make knowledge accessible to further target groups through application-oriented educational formats and programmes. Therefore, the aim is to make a lasting contribution to lifelong learning.

### History of the Short Courses at RWTH International Academy

RWTH International Academy has conducted international Summer Schools since 2007 with the aim to give international students insights into learning and teaching at RWTH Aachen University. In 2019, the Short Courses Team has welcomed around 500 students in 20 different Summer and Winter School programs in Aachen. The first Online Courses were successfully conducted in 2020/2021 and since then established as a fixed component in the program portfolio.

### More Short Course Opportunities

Besides the open programs for international students, we also offer individually planned and organized programs for closed groups of students from our partner universities. For those groups who seek a longer stay abroad, we design „Mini-Mesters“, which combine academic content of several different topics as well as a longer project work at an institute of RWTH Aachen University. In case of questions or inquiries, feel free to contact us!



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



[RWTHSummerSchool](#)



[rwthshortcourses](#)



[www.academy.rwth-aachen.de/short-courses](http://www.academy.rwth-aachen.de/short-courses)

