



## RWTH AACHEN SUMMER SCHOOLS 2014

The RWTH Aachen University Summer School offers a truly dynamic and engaging academic and cultural environment for its international visitors. Through its academic summer course offerings in the historic and enriching city of Aachen, the RWTH provides students with the opportunity to take part in state of the art and hands-on approaches to technical learning.



Different Courses – One Summer! You can choose between:

- **Automation and Simulation**
- **Automotive and Mobility Studies**

The RWTH International Academy, the International Office and the Language Centre of the RWTH Aachen University work closely together with Institutes of RWTH Aachen University to offer you a perfect mix of technical knowledge and practical, cultural experiences.

### THE COURSE PROGRAMME

All Summer School courses are uniquely designed for international undergraduate students who want to get to know Aachen and RWTH Aachen University first-hand – maybe even to decide to commence their master studies here. The programme is also recommended for students who think about going to Aachen as an exchange student during their studies, but would like to get to know the city and university beforehand.

### AUTOMATION AND SIMULATION

In this course, students will have an introduction to the methods used at the edge of mechanical engineering and computer technology. You get an overview over numerical methods used to solve engineering problems, as well as an introduction to calculation and simulation techniques in production.

### AUTOMOTIVE AND MOBILITY STUDIES

This course will give an introduction to the available alternatives to combustion engines, as well as an outlook to the future of drive concepts for vehicle powertrains. Students will learn about alternative fuels, such as alcohol, natural gas or hydrogen. Furthermore you will have a look on fuel cells as well as on electric drives.



### LEARN GERMAN – EXPERIENCE AACHEN

Each summer the Language Center offers an intensive German language program uniquely designed for international students wishing to learn or improve their German and to get to know Aachen and RWTH Aachen University first-hand.

For further information regarding this Summer School, please refer to the following website: <http://www.sz.rwth-aachen.de/international-summer-school.html>

Should you have any questions,  
please feel free to contact us:

[contact@summerschool-in-germany.com](mailto:contact@summerschool-in-germany.com) || [www.summerschool-in-germany.com](http://www.summerschool-in-germany.com)

Ms Alice-Cathérine Mackenstein (Program Coordinator)  
RWTH International Academy  
Tel.: 0049 (0)241-80-96663



## SUPPORTING PROGRAMME

All courses include a variety of social events to experience German culture through an extensive leisure time programme:

- German language and culture
- Aachen's vicinity
- Excursions to companies and cities nearby
- Get-togethers with international Master students
- Workshops in Intercultural Communication
- Barbecue-evenings, sport events, cooking together...

All participants will have a "Buddy", who is a regular enrolled student of Aachen University. He or she is a direct person of contact for questions concerning student life in Aachen.

## MASTER'S PROGRAMMES

RWTH International Academy offers fulltime Master's programmes in Mechanical Engineering in the following areas:

- M.Sc. Management and Engineering Production Systems Engineering – NEW COURSE!
- M.Sc. Computer Aided Conception and Production in Mechanical Engineering
- M.Sc. Production Systems Engineering
- M.Sc. Textile Engineering

For detailed information, please refer to our website: <http://master-mechanical-engineering.com>

## SUMMER SCHOOL – COSTS

**Complete your application until 1 April to get the early bird discount on the total fees - in case of admission.**

The course fees include all lectures, laboratory courses and excursions, social events, accommodation, breakfast, lunch, all meals during social events and a public transportation ticket for the respective time. Please refer to our website for details about the course fees.

## SUMMER SCHOOL - APPLICATION AND QUALIFICATION

To apply to one of the Summer School courses, please send us the following documents until **1 May** (merged to ONE pdf file):

- your letter of motivation
- your resume / CV
- a colour photo of yourself (attached to the Email as a jpg.)
- a current academic transcript (or record, if applicable)



You have to be enrolled at a renowned international university and your performance in previous studies should be good. You should have profound knowledge of the English language since all lectures and exercises are conducted in English. Knowledge of German is not required; it might be advantageous during your stay, though.

Should you have any questions,  
please feel free to contact us:

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