Online Courses at RWTH Aachen University

Spend your time effectively from home and boost your career

Experience excellent academic content and have fun at the same time!
Our Online Courses are highly interactive and contain a lot of intensive teamwork. As a participant you develop practical ideas together with renowned professors, get to know future workplaces in Germany and expand your skills with hands-on case studies.

Highlights & Benefits

To support the academic content of each program, we include expert talks, institute visits, lab tours, and the chance to network with German companies and organizations.

Find all Short Courses on our website

Excellent Academic Teaching

RWTH Aachen University is top-ranked and one of Europe's leading science and research institutions. You benefit from high-value academic content and excellent lectures online.

Synchronous learning

- live sessions & exercises
- Q&As
- discussions & debates
- interactive participation

direct support by our lecturers

Asynchronous learning

- video lectures
- readings with quizzes
- home- & group work
- exercises & simulations

freely accessible | self-determined

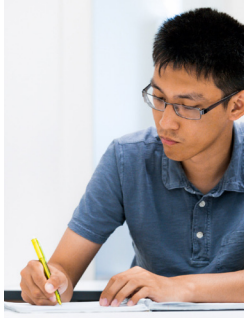
Supporting Program & Intercultural Experience

Our attractive supporting program provides an insight into the history and culture of Germany. We've come up with creative ways to include various social activities in our Online Courses:

- digital sightseeing tour
- intercultural meet-ups, get-togethers with mentors & professors
- cultural events: cathedral & museum tours
- team-building: icebreaking games, escape room, photo challenges
- sports: stretching exercises / evening yoga
- honoring events: welcome and certificate ceremony

Quickfacts about our Courses

- **Study format: Short Course**
- **Teaching: Online**
- **Duration: 2-4 weeks**
- **Workload: 50-120 Teaching Hours**
- **Credit Points: 2-4 ECTS**
- **Qualification: RWTH Certificate**
- **Language: English**



Application Information
You are welcome to apply if you:

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

course-specific requirements on program pages

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Photos: RWTH International Academy, Martin Braun

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INTERNATIONAL ACADEMY | RWTH AACHEN UNIVERSITY

Sustainable Supply Chain Management in Industry 4.0

Sign up for this Course until June 15, 2022

Expect these Contents

You study various supply chain concepts and need to overcome current challenges in a business simulation game. By making practical choices for your company and reflecting on them on a theoretical level, you learn and experience first-hand how effective and sustainable supply chain management works.
You consider sustainability and climate risk management and learn about Industry 4.0 in a real production environment. Understand the technologies‘ impact on the supply chain and integrate a responsible and modern way of thinking.

Master the circular economy in a business simulation game

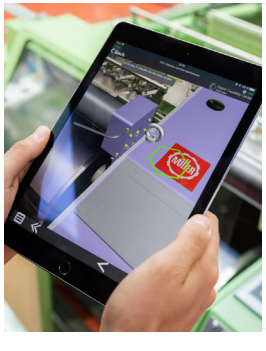
- Experience the production chain with real-life machines
- Learn how Artificial Intelligence and Big Data can protect resources and still assure high quality in production
- Apply sustainable strategies to develop a circular business model with your team members
- Understand supply chain law challenges and digital responses

Time Frame and Credits

- **Online Course: July 04 - 22, 2022**
- **Effort: 50 - 60 hours total, 2 hours daily**
- **Credit Points: 2 ECTS**
- **Course fees: 1,194 €**

Your Academic Staff

This program is conducted by the ITA Academy from the Institute of Textile Technology. In their model factory for digitalisation in production, they demonstrate supply chain management and Industry 4.0 technologies. An author, lecturer and developer of business simulation games provides content on sustainability aspects and circular economy.



Interactive Teaching

- Work 4.0: profiles and roles
- Circular business model design
- Human-machine interaction
- Demands, laws and efficiency
- Application workshop with AI

Especially tailored to unite different time zones: You have two hours of live lectures and group work per day and can flexibly work through pre-recorded materials.

Photos: RWTH International Academy, ITA Academy GmbH, Adobe Stock

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