

Solve computing assignments and apply your skills in a project

Automation and Simulation

Check out our website!



Expect these Contents

Learn all about fundamentals in automation and simulation. The topic simulation features various exercises in a computer lab. You solve real world problems by applying software and acquire a solid understanding of methods used in mechanical engineering. In the automation part, you discuss modern automated production systems, covering major cutting-edge technologies of production automation.

- Come up with elaborate calculations for adequate simulations
- Realize a project work in a computer laboratory
- Try, test, and acquire methods in mechanical engineering to understand automation processes
- Learn about current research challenges during a lab tour
- Upgrade your skill set for the interdisciplinary engineering world

Summer School

📅 July 6 - July 26, 2025
(3 weeks)

💰 3,350 €

📍 On-campus

🏠 Supporting Program

🎓 RWTH Certificate with 4 ECTS
(approx. 100 hours)


🏠 Accommodation included

Insights into the technologies of the future

As a global pioneer in the field of industrial automation, Eaton is playing a key role in the development and implementation of the most advanced technologies. In previous years, a program highlight has been a visit to their German headquarters in Bonn, where participants enjoyed a full day of hands-on activities and the latest technologies.



Automation and Simulation – Summer School*

TIME (CEST)	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
08:00 - 08:30							
08:30 - 09:00							
09:00 - 09:30							
09:30 - 10:00		Pick-up					
10:00 - 10:30		Welcome Orientation	Automation	Automation	Automation		
10:30 - 11:00							
11:00 - 11:30							
11:30 - 12:00							
12:00 - 12:30		Lunch Break					
12:30 - 13:00						Company Visit	
13:00 - 13:30							
13:30 - 14:00	 Individual arrival	Get to know Aachen City Rally	Automation	Automation	Automation		Free time for excursions, sight-seeing and self-study
14:00 - 14:30							
14:30 - 15:00							
15:00 - 15:30							
15:30 - 16:00							
16:00 - 16:30							
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18:00 - 18:30							
18:30 - 19:00							
19:00 - 19:30							
19:30 - 20:00							
20:00 - 20:30							
20:30 - 21:00							

 Organizational and social event

 Lecture, academic program

 Academic supporting program (institute/company visit, scheduled self-study, group work, case study, project work)

*Exemplary Schedule (Information presented is subject to change. Errors and omissions reserved)

Automation and Simulation – Summer School*

TIME (CEST)	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday			
08:00 - 08:30										
08:30 - 09:00										
09:00 - 09:30		Simulation Project Work	Simulation Mathematics	City Trip	Simulation Project Work					
09:30 - 10:00										
10:00 - 10:30										
10:30 - 11:00										
11:00 - 11:30						RWTH Campus Tour				
11:30 - 12:00										
12:00 - 12:30		Lunch Break			Lunch Break					
12:30 - 13:00										
13:00 - 13:30				City Trip						
13:30 - 14:00	Free time for excursions, sight-seeing and self-study	Simulation Project/ Group Work	Simulation Exercise	City Trip	Study at RWTH Info Event	Simulation Mathematics	Free time for excursions, sight-seeing and self-study			
14:00 - 14:30										
14:30 - 15:00										
15:00 - 15:30										
15:30 - 16:00										
16:00 - 16:30					Hiking Tour to the Border Tripoint					
16:30 - 17:00										
17:00 - 17:30										
17:30 - 18:00										
18:00 - 18:30										
18:30 - 19:00										
19:00 - 19:30										
19:30 - 20:00			Social Event with Mentors							
20:00 - 20:30										
20:30 - 21:00										

- Organizational and social event
- Lecture, academic program
- Academic supporting program (institute/company visit, scheduled self-study, group work, case study, project work)

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Automation and Simulation – Summer School*

TIME (CEST)	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday				
08:00 - 08:30											
08:30 - 09:00											
09:00 - 09:30		Simulation Project Work	Simulation Mathematics	Simulation Mathematics	Self-study	Self-study for Final Exam					
09:30 - 10:00											
10:00 - 10:30											
10:30 - 11:00										Final Exam	
11:00 - 11:30											
11:30 - 12:00											
12:00 - 12:30		Lunch Break									
12:30 - 13:00											
13:00 - 13:30											
13:30 - 14:00	Free time for excursions, sight-seeing and self-study	Simulation Project/ Group Work	Simulation Exercise	Simulation Project Work	Simulation Final Project Presentation	Farewell Event	Individual Departure				
14:00 - 14:30											
14:30 - 15:00											
15:00 - 15:30											
15:30 - 16:00										Self-study	
16:00 - 16:30											
16:30 - 17:00											
17:00 - 17:30											
17:30 - 18:00											
18:00 - 18:30			Barbeque								
18:30 - 19:00											
19:00 - 19:30											
19:30 - 20:00											
20:00 - 20:30											
20:30 - 21:00											

 Organizational and social event

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