

SIX SIGMA QUALITY MANAGEMENT



Six Sigma Quality Management Engineering Summer School

Our Summer School courses in Mechanical Engineering and Management offer international students the opportunity to take part in excellent science and research at RWTH Aachen University. The University is highly acclaimed internationally for its development of innovative answers to the most pressing global challenges. As a result, numerous research institutions, companies, R&D departments and start-ups have settled in and around Aachen, making RWTH the ideal setting for aspiring students.



Program Objective

As one of the most widespread concepts in the field of quality management, Six Sigma provides one with a framework for systematic planning and effective implementation of sustainable improvement projects along structured project management approaches. The program equips students with basic understanding of quality management principles for their professional growth.



Academic Staff

The Summer School is headed by a young and ambitious expert of PRS Technology GmbH, which is a consultancy spin-off at RWTH Aachen University, functioning as the private sector partner of the Laboratory for Machine Tools and Production Engineering (WZL) and Fraunhofer Institute for Production Technology (IPT) in the field of technology and knowledge transfer.



Applicant's Profile

This program is specifically tailored for undergraduate students enrolled at top universities. Applicants need proficient knowledge of the English language and should be interested in quality management. Completion of the first academic year is mandatory. The minimum age to participate is 18 years.



Quickfacts

Study format	Summer School
Qualification	Certificate
Language	English
Course Fees	EUR 1,990
Duration	2 weeks
Workload	60 Teaching Units

*All Summer Schools are co-funded by the RWTH International Academy in cooperation with RWTH Aachen University.



Application Information

We will evaluate applications based on the cover letter, the completion of the special requirements of each program, the overall strength of your academic record, and extracurricular experiences.



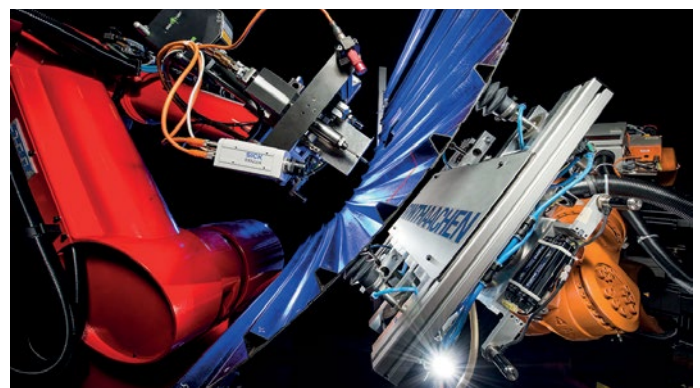
Academic Content

Modules: Lectures and Exercises	Teaching Units
Part 1: Introduction to Quality Management	4
Part 2: Normative Quality Management Systems	4
Part 1: Strategic Quality Programs	4
Part 2: Quality Management in Manufacturing	4
Part 1: Quality Management in Service Industries	4
Part 2: Quality and Economics	4
Part 1: Introduction to Six Sigma	4
Part 2: Introduction of Define Phase (I)	4
Part 1: Introduction of Measure & Analyze Phase (I/II)	4
Part 2: Introduction of Measure & Analyze Phase (II/II)	4
Part 1: Conclusion of Measure & Analyze Phase	4
Part 2: Conclusion of Improve & Control Phase	4
Wrap-up Session: Open Discussion & Feedback Round	4
Summary/Presentations	4
Modules: Company Visits and Culture	Teaching Units
Intercultural Workshop	4
Sum of Teaching Units	60



RWTH Aachen University

RWTH Aachen University is one of Germany's universities of excellence. It is a place where the future of our industrialized world is thought out. The university is proving to be a popular spot with increasing international recognition where innovative answers to global challenges are developed.



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