

At a Glance

Target Group

- All engineers with interest in polymer materials and plastics processing.
- Prior knowledge on polymers is not a prerequisite

Number of Semesters and Degree

- 3 semesters incl. master thesis
- International Degree: Master of Science (M.Sc.) in Polymer Technology

Admission Requirements

- First Academic Degree (B.Eng., B.Sc.) in Mechanical Engineering, Polymer Technology, Polymer Chemistry or equivalent
- Final grade of your First Academic Degree: at least 2,5
- Language skills: English (B2)

Main Features

- All classes taught in English
- Thesis can be written in English or German
- Non-EU students: studying fees 1.500 EUR per semester; there are several exceptions, please consider the checklist

Application

Applications can be submitted at:

www.hs-aalen.de/application

After registering in our application portal, please enter the following:

Degree programme:

Polymer Technology

Application deadline

You can find the application deadline on the information page for the degree programme.

Start of lectures

- Winter semester: start in October
- Summer semester: start in March

The University

Step into the future with Aalen University! With a vibrant community of over 4,500 students, we offer more than 50 bachelor's and master's programs designed to shape the leaders of tomorrow. Our hands-on approach bridges theory and practice, allowing you to apply what you learn in cutting-edge labs, workshops, and our Innovation Center—all nestled on one of Germany's most picturesque campuses.

At Aalen, we're not just about academics; we're about preparing you for the real world. Through close ties with regional industry leaders, including both international giants and hidden champions, our students have unique networking opportunities that pave the way for successful careers. Join us at Aalen University and unlock your potential for success!



www.hs-aalen.de/ptc



Contact

Student Advisory Service
Faculty Mechanical Engineering /
Materials Science

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mw.studienberatung@hs-aalen.de

Course Coordinator



Prof. Dr. rer. nat. Tobias Walcher

Further information

Website

www.hs-aalen.de/ptc

Instagram

[@materialiennachhaltigkeit](https://www.instagram.com/materialiennachhaltigkeit)



Polymer Technology
Master of Science (M.Sc.)

 **Aalen University**
of Applied Sciences

Polymer Technology

Discover the intersection of engineering excellence and sustainability with Aalen University's first international master program: Polymer Technology. Designed to offer students a comprehensive blend of theoretical insights and hands-on laboratory experience, our master's program in Polymer Technology aims to equip you with a solid foundation in the science and technology of polymers.

At Aalen University, students of Polymer Technology can expect to delve deep into the intricacies of this field, gaining invaluable knowledge on polymer materials, plastics engineering and processing with the necessary link to environmental challenges. Our program strikes a perfect balance between theory and practical training, ensuring that you graduate well-prepared to tackle real-world challenges in polymer science and technology



The program provides opportunities for elective courses, allowing students to customize their educational experience to their interests and career goals. Possible elective courses are:

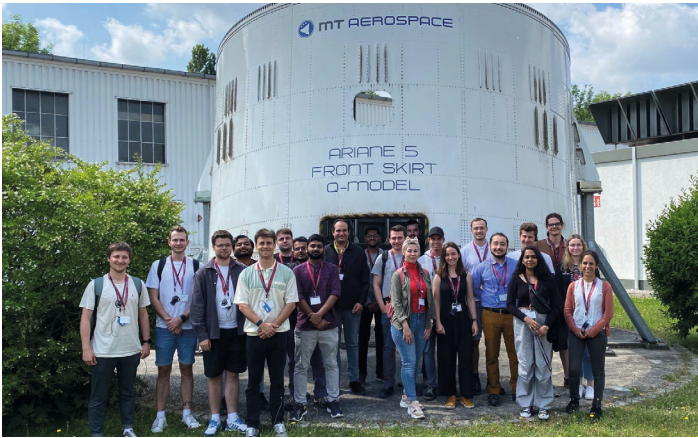
- Advanced Mould Design
- Modelling and Control
- Scientific Project
- Polymers in Application
- Composites



Study Course Structure

Semester	WS/SS	Master Thesis					
	SS	Multi Materials Manufacturing*	Polymer Thermal Analysis*	Advanced Process Simulation*	Intercultural Communication	Elective Module	Elective Module
	WS	Polymer Materials	Polymer Testing*	Advanced Polymer Processing - Extrusion*	Polymer Physics and Rheology	Advanced Polymer Processing - Injection Moulding*	Polymer Design and Mould Design
		■ Mandatory Module ■ Elective Module *Modules include laboratory					

Course Process



Master Thesis

The master thesis duration is one semester, during which students have the flexibility to select their own topics. These topics, always on the cutting edge of new developments, can encompass a wide range of areas, including innovative material development, advanced processing, material and process simulation, recycling, and more. The thesis allows for a scientific and hands-on learning experience tailored to individual interests and career goals.

You are very welcome to come over

