

Information Sheet MEng Mechanical Engineering

The master course Mechanical Engineering with a specialization in *Integrated Product Development*, which is offered from the University of Applied Sciences Schmalkalden has a duration of 3 semester on top of a 7 semester bachelor. This course starts each year in the summer semester (the semester starts usually end of march or beginning of april) and the application deadline is January, the 15th. In the first two semester subjects like *Design Process, Higher Technical Mechanics, Materials Design, Finite Elements Method, Kinematics and Dynamic Simulations, Computer Aided Production Technology, Computer Aided Process Planning, Machine Systems Automation* are taught. In the third semester the students work on their master thesis.

To join this course a Bachelor Degree in Mechanical Engineering, Mechatronics, Industrial Engineering or in a similar direction with 210 ECTS-points is required (corresponds to a study duration of 7 semester). Furthermore, the average study result should be better than 2.0 in the German notation (corresponds to 80% of the available points or better).

If you have a bachelor degree of only 180 ECTS-points (6 semester), an additional transition semester is required to get the accreditation to the master course.

The subjects are offered exclusively in German language and therefore a fluid knowledge of German language is required.

Module Masterstudiengang MB mit englischer Übersetzung

Konstruktionsprozess I	Engineering Design Process I
Höhere Technische Mechanik	Advanced Technical Mechanics
Werkstoffauswahl	Selection of Materials
Finite-Elemente-Methode	Finite Elemente Method
Computerunterstützte Prozessplanung	Computer Aided Process Planning
Entwicklungsmanagement	R&D Management
Projektarbeit I	Project Work I
Konstruktionsprozess II	Engineering Design Process II
Kinematische und dynamische Simulation	Kinematic and Dynamic Simulation
Computerunterstützte Produktionstechnik	Computer Aided Manufacturing
Automatisierte Maschinensysteme	Automated Machine Systems
Ausgewählte Werkzeuge der Informatik	Advanced Methods of Computer Sciences
Projektarbeit II	Project Work II
Methodik des wissenschaftlichen Arbeitens	Methods of Scientific Work
Masterarbeit	Master Thesis
Kolloquium	Colloquium

Some pieces of information for international students:

1) cost of living for a semester

International students usually stay in the dorm on campus in single rooms in apartments of three students. We can make a reservation for you if you want. Costs per room and person are about 200 € per month plus a security deposit of 200 € in the beginning (which you get back, of course).

Monthly costs for an international visiting student are about 600-800 € but this depends on the student himself.

2) information about Schmalkalden itself

Schmalkalden is a small place (about 20.000 inhabitants) next to the Thuringian forest. It has a lovely old centre and a castle in the city itself. You find information and pictures on: www.schmalkalden.de

3) dates

Classes in the spring term start end of March and end in July, After that there are three weeks of exams. There are programmes all taught in English as well.

Classes in the autumn term start in October and end in February, After that there are three weeks of examinations.

4) Package for exchange students

The International Office of our university offers a special programme for international (exchange) students. This includes meetings, parties, events, excursions and classes of German language and culture. Nearly all offers are free of charge, only a few require a small contribute by the students (3 to 4 days excursions for example).

If you indicate on the application form that we should reserve the accommodation, we will immediately do so.

If you have any more questions, don't hesitate to ask.

Kind regards,

University of Applied Sciences Schmalkalden
International Office