

## STUDY PROGRAM SYSTEMS ENGINEERING FOR MANUFACTURING



### Study Systems Engineering for Manufacturing (SEM)

Climate change, limited natural resources, aging society, digitalization, consumer market globalization, labour market changes, our humanity are facing serious challenges threatening not only our wealth but also our living environments. Solutions for these challenges can not be developed by single experts or single scientific disciplines. They require an interdisciplinary and system-oriented view.

Emerging from space craft and telecommunication system design, systems engineering has advanced to a scientific methodology for design, implementation and control of complex technical systems especially for cyber-physical systems. It combined several engineering disciplines and enables its meaningful coordination over the complete lifecycle of a technical system.

Within the systems engineering for manufacturing master program students will get an overview over the utilization of systems engineering methodologies within the design, implementation, and use of products and production systems against the background of the above-mentioned challenges humanity has to face.

Important deadlines and dates

#### Application to the program

- ▶ **April 15th and June 15th over uni-assist** for international students not having a German Bachelor degree
- ▶ **May 15th and September 15th directly over the university** for students with German Bachelor degree

#### Enrolment to program

- ▶ **September 30th** latest sending of documents necessary for enrolment after successful application
- ▶ **October 31st** latest arrival for study shall at Magdeburg

#### Enrolment to lectures

- ▶ **latest until week 4 of the semester** at the begin of each semester but (depending on the lecture)

#### Enrolment to exams

- ▶ **November 15th and November 30th** each winter semester enrolment to exams
- ▶ **May 15th and May 31st** each summer semester enrolment to exams
- ▶ Enrolment to an exam shall be done **latest 15 month after the end of the related lecture** following the lecture schedule within the Study and examination regulations

Students

- ▶ **Program structure** - mandatory, compulsory chosen and free elective modules
- ▶ **Info and deadlines** - courses, internships
- ▶ **Internship project topic**
- ▶ **Relevant links** – specially for first semester students
- ▶ **Helpful information** – for a good start at OVGU and in Magdeburg

more...

Prospective students

- ▶ **Study Program at a Glance** - duration, final degree, language, entry requirements, program description
- ▶ **Deadlines** - application, enrolment, arrival

**Individual student advising** - contact

- ▶ **Why study Systems Engineering for Manufacturing?** - 4 Questions and Answers
- ▶ **Answers to questions like...** - Extensive FAQ
- ▶ **Excellent career prospects** - Career opportunities and professional sectors
- ▶ **What makes the System Engineering for Manufacturing program special?** -

Studying at Magdeburg university and living in Magdeburg

more...