## Master in Industrial Mechanical Engineering

### MECHANICAL ENGINEERING
- **Computational Mechanical Design**
- **Digital Manufacturing and Automation**

### MANUFACTURING / AUTOMATION
- **Digital Manufacturing and Management**
- **Logistics and Production**
  - Double degree programme with the Otto-von-Guericke-University Magdeburg (OvGU)

### INDUSTRIAL ENGINEERING
- **Management Control and Business Planning**
- **Electric Drives and Machines**
- **Design and Development of Business Software**
- **Logistic Strategies and Methods at OvGU**
- **Supply Chain Practice / ERP at OvGU**
- **Business Decision Making at OvGU**
- **Elective at OvGU**
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- **Master thesis**

### SEMESTER I
- **Common Knowledge**
  - Reverse Engineering and Rapid Prototyping
  - Advanced Manufacturing Technologies and Systems
  - Project Management
  - Process and Technology Management
  - Automatic Control
  - Functional Mechanical Design
  - Management Control and Business Planning

### SEMESTER II
- **Semester II**
  - Thermo-Mechanical Measurements
  - Mechatronics and Robotics
  - Digital Manufacturing and Simulation
  - Finite Element Analysis (FEA)
  - Thermo-Mechanical Measurements

### SEMESTER III
- **Specific Knowledge**
  - Digital Factory and Industrial Maintenance
  - Mobile Robotics
  - Digital Transformation and Sustainability Management
  - Elective 1
  - Logistic Strategies and Methods at OvGU
  - Supply Chain Practice / ERP at OvGU
  - Business Decision Making at OvGU

### SEMESTER IV
- **Study Project**
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