

## Semester 1 TIME Essentials

Complete all 6 modules

30 CP

- ✓ Technology and Innovation Management 
- ✓ Strategic Management 
- ✓ Marketing Management 
- ✓ Entrepreneurial Management 
- ✓ Digital Transformation and Information Systems Management 
- ✓ Aachen Innovation Project 

 Available as Blended Learning

 Block Week

## Semester 2 Sharpen your profile

Management Electives (Select 4 or 5)

20 – 25 CP

- ✓ Strategic Technology Management 
- ✓ Managing the Innovation Process 
- ✓ Service and Technology Marketing 
- ✓ Business Marketing Simulation 
- ✓ Start-Up and Growth Management 
- ✓ Entrepreneurial Finance and Venture Capital 
- ✓ Cambridge Ecosystem Practicum 

Technology Electives (Select 3 or 4 in total)

15 – 20 CP

- ✓ Industrial Logistics
- ✓ Industry 4.0 
- ✓ Manufacturing Technology II
- ✓ Artificial Intelligence and Data Analytics for Engineers
- ✓ Principles of Data Analysis 
- ✓ Principles of Data Mining 
- ✓ Digital Work: Challenges and Solutions 
- ✓ Sustainability Assessment – Methods and Tools
- ✓ Engineering, Culture & Society by using Design Thinking Methods 

## Semester 3 Final Dissertation

- ✓ Manufacturing Technology I
- ✓ Production Management A
- ✓ Industrial Engineering and Ergonomics
- ✓ Machine Tools
- ✓ Quality Management
- ✓ Robotic Systems
- ✓ Laser Applications
- ✓ Principles of Power Electronics
- ✓ Principles of Text Mining 
- ✓ Algorithms and Data Structure 
- ✓ Predictive Modeling
- ✓ Machine Learning 
- ✓ Earthquake Engineering and Seismic Risk Assessment

**Master Thesis 20 CP**

