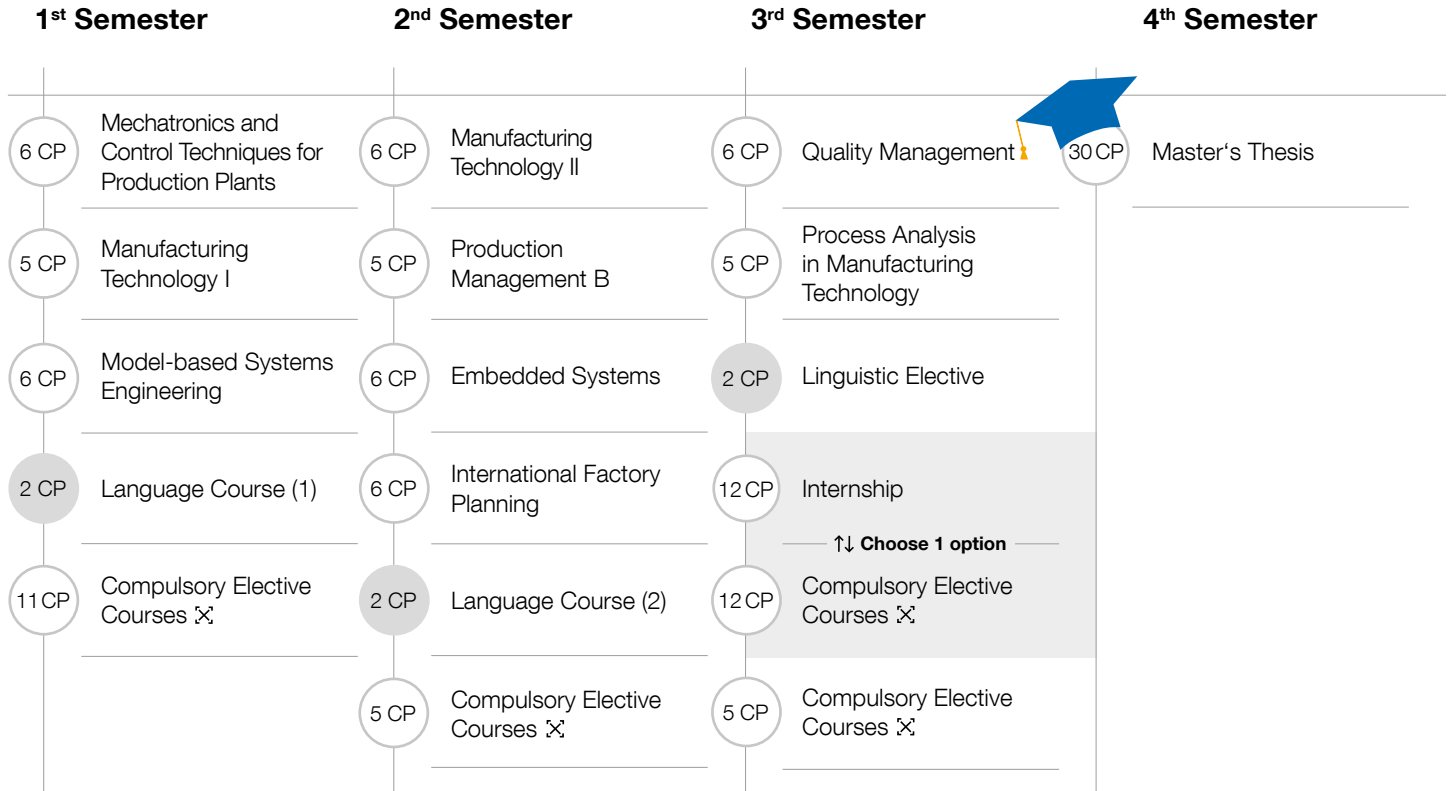


# Master of Science (M.Sc.) SPE I Smart Production Engineering

Track: Smart Factory



## $\otimes$ Compulsory Elective Courses

### Winter Semester

Advanced Software Engineering  
 Gear and Transmission Technology  
 High Precision Glass Optics Manufacturing  
 Linear Control Systems  
 Modeling, Model Reduction and Simulation in Laser Processing – Applications  
 Robotic Systems  
 Simulation Techniques in Manufacturing Technology  
 Tribology

### Summer Semester

|      |   |      |
|------|---|------|
| 5 CP | Electric Mobility – Battery Systems for Sustainable Mobility          | 3 CP |
| 6 CP | Industrial Logistics  | 5 CP |
| 6 CP | Intelligent Monitoring of Engineering Systems                         | 5 CP |
| 3 CP | Modeling, Model Reduction and Simulation in Laser Processing – Design | 5 CP |
| 5 CP | Modeling, Model Reduction and Simulation in Laser Processing – Laser  | 5 CP |
| 5 CP | Multibody Dynamics  | 6 CP |
| 6 CP | Production Metrology  | 5 CP |
| 5 CP | Welding and Joining Technologies                                      | 6 CP |