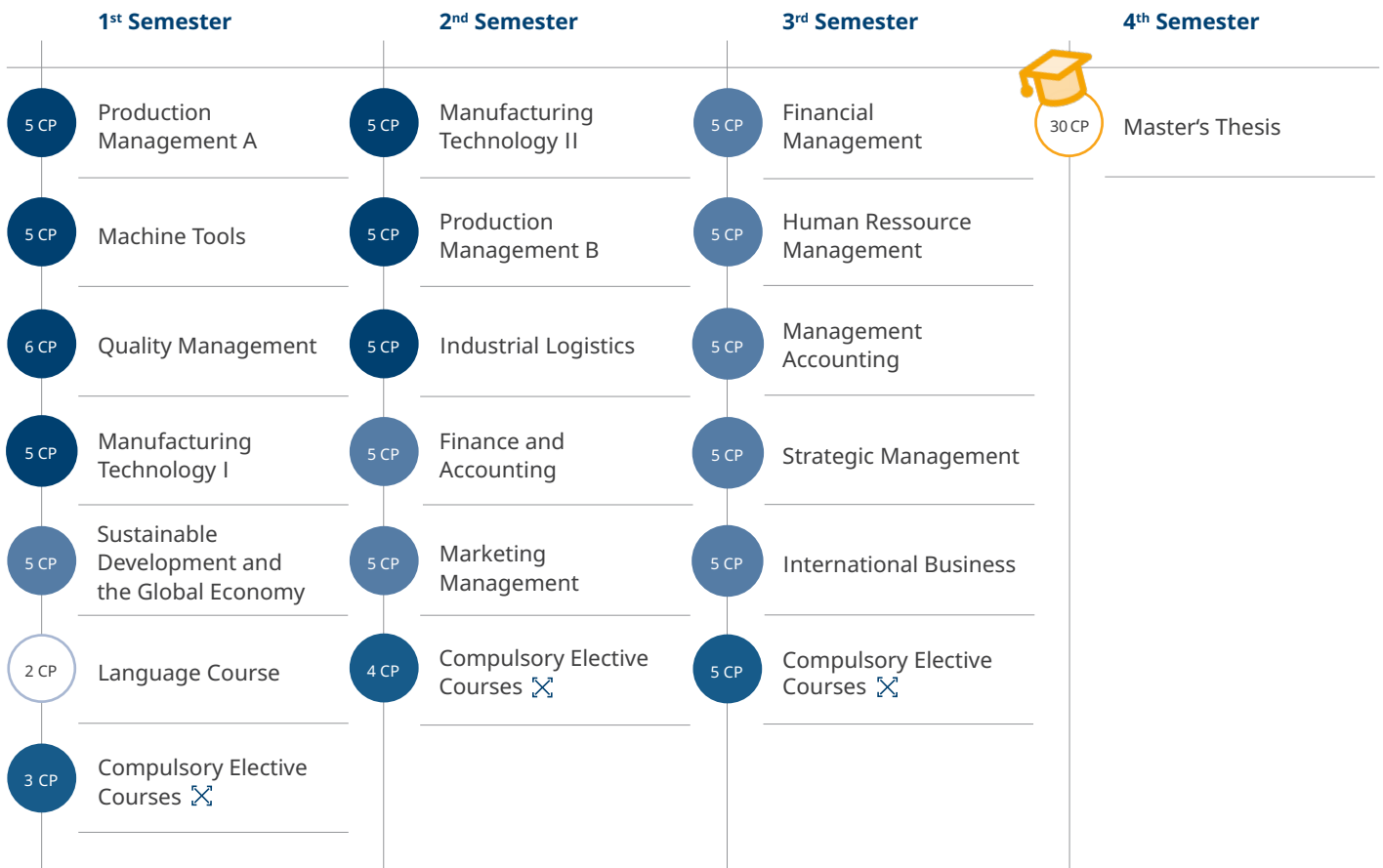


# Master of Science (M.Sc.) MME-PS I Management and Engineering in Production Systems



● Production Engineering 
 ● Management 
 ● Compulsory Elective Courses Production Engineering 
 ○ Language Skills

## ✂ Compulsory Elective Courses

### Winter Semester

|   |      |
|---|------|
| Additive Manufacturing I                                  | 6 CP |
| Advanced Control Systems                                  | 4 CP |
| Computational Intelligence in Engineering                 | 5 CP |
| Fundamentals in Lightweight Design                        | 4 CP |
| Industrial Engineering and Ergonomics                     | 6 CP |
| Laser Applications  | 6 CP |
| Linear Control Systems                                    | 3 CP |
| Management and Engineering Perspectives                   | 5 CP |
| Materials for Additive Manufacturing                      | 5 CP |
| Mechatronics and Control Techniques for Production Plants | 6 CP |
| Model based Systems Engineering                           | 6 CP |
| Process Analysis in Manufacturing Technology              | 5 CP |
| Robotic Systems   | 5 CP |
| Simulation Techniques in Manufacturing Technology         | 6 CP |
| Tribology   | 5 CP |

### Summer Semester

|  |      |
|--|------|
| Additive Manufacturing II                                    | 6 CP |
| Advanced Electrical Drives                                   | 4 CP |
| Digital Health Engineering and Entrepreneurial Innovation    | 5 CP |
| Electric Mobility – Battery Production                       | 3 CP |
| Electric Mobility – Battery Systems for Sustainable Mobility | 3 CP |
| Embedded Systems   | 6 CP |
| Innovation and Production Management for Electric Mobility   | 3 CP |
| Intelligent Monitoring of Engineering Systems                | 5 CP |
| International Factory Planning                               | 6 CP |
| Production Metrology   | 5 CP |
| Welding and Joining Technologies                             | 6 CP |