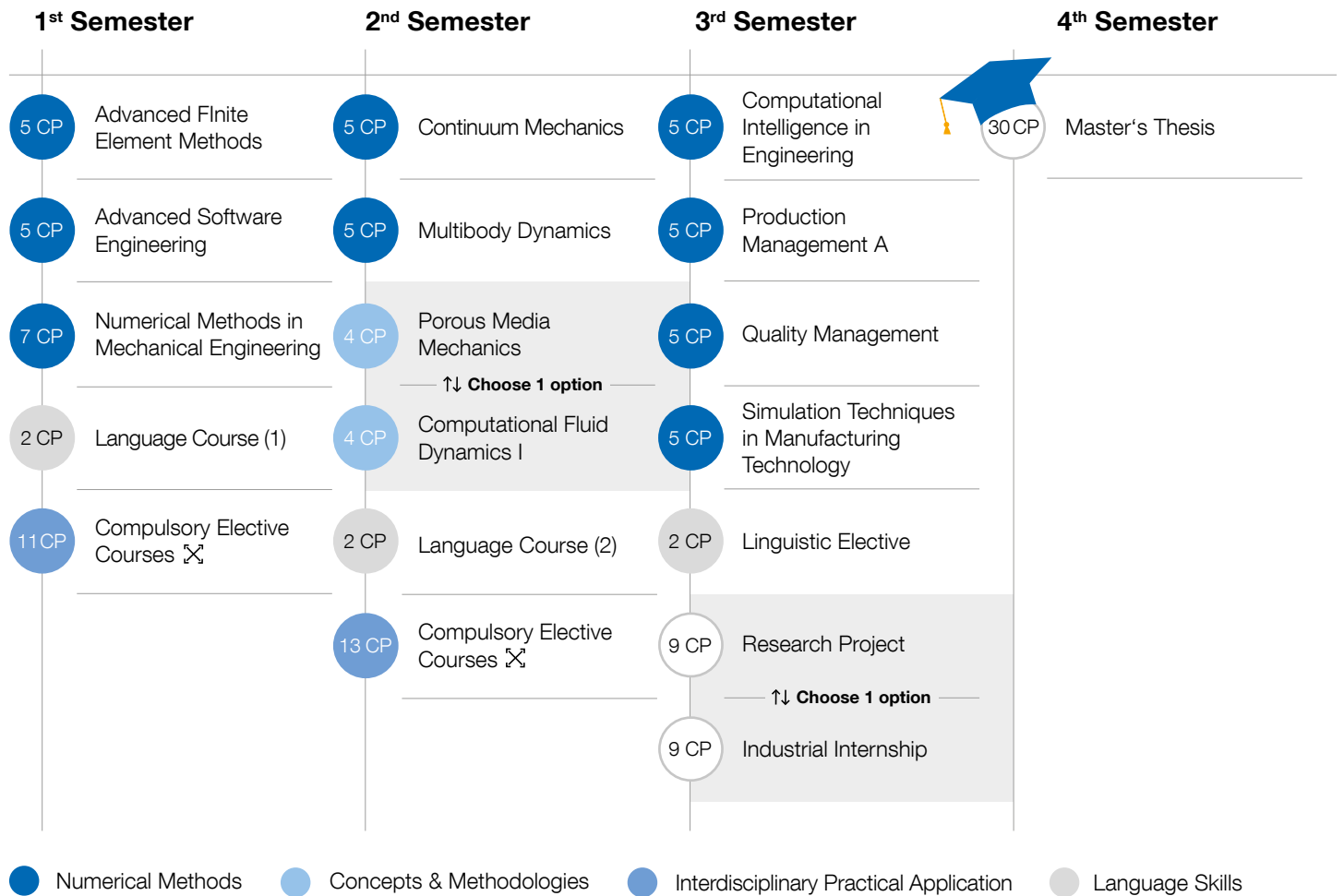


# Master of Science (M.Sc.) CAME I Computer Aided Conception and Production in Mechanical Engineering

Track: Production



## ☒ Compulsory Elective Courses

### Winter Semester

Artificial Neural Networks in Structural Mechanics	6 CP
Computational Fluid Dynamics II	3 CP
Computational Methods for Advanced Materials and Structures	5 CP
Industrial Engineering and Ergonomics	5 CP
Linear Control Systems	4 CP
Management and Engineering Perspectives	5 CP
Manufacturing Technology I	5 CP
Modeling, Model Reduction and Simulation in Laser Processing – Application	5 CP
Molecular Mechanics and Multi-Scale Modelling of Materials	5 CP
Practical Introduction to FEM-Software I	5 CP

### Summer Semester

Intelligent Monitoring of Engineering Systems	5 CP
Modeling, Model Reduction and Simulation in Laser Processing – Laser	5 CP
Production Metrology	5 CP
Practical Introduction to FEM-Software II	5 CP
Simulation of Discrete Event Systems	5 CP