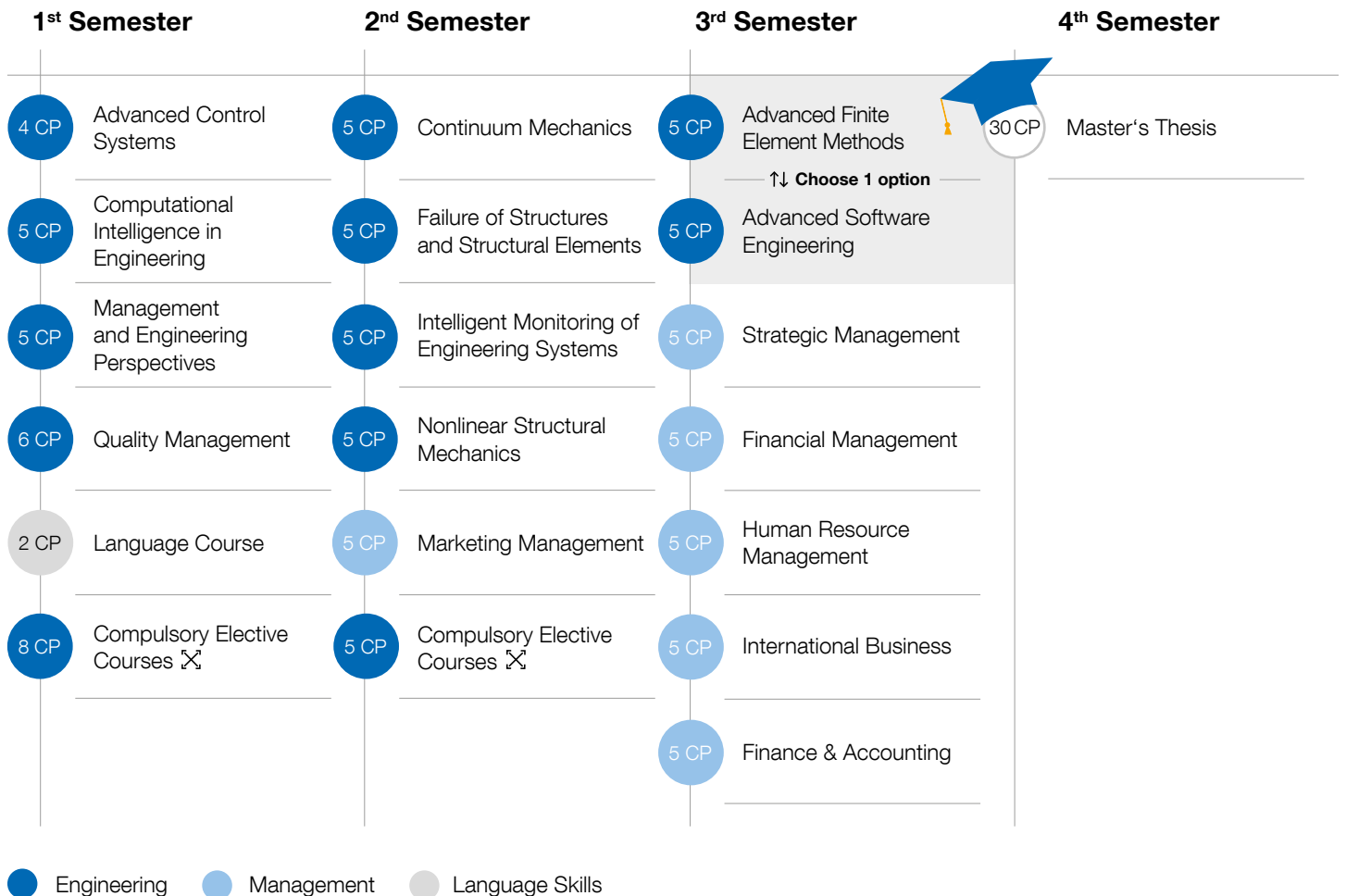


Master of Science (M.Sc.) MME-CAME I Management and Engineering in Computer Aided Mechanical Engineering

Track: **Modelling and Simulation Engineering**



⌘ Compulsory Elective Courses

Winter Semester

Additive Manufacturing I – Technologies and Processes	6 CP
Artificial Neural Networks in Structural Mechanics	6 CP
Fundamentals of Lightweight Design	4 CP
Linear Control Systems	3 CP
Machine Tools	5 CP
Mechatronics and Control Techniques for Production Plants	3 CP
Modelling, Model Reduction and Simulation in Laser Processing – Applications	5 CP
Numerical Methods in Mechanical Engineering	7 CP
Tensor Algebra and Tensor Analysis for Engineering Students I	5 CP

Summer Semester

Digital Work: Challenges and Solutions	5 CP
Mechanics of Engineering Materials	5 CP
Multibody Dynamics	5 CP
Simulation of Discrete Event Systems	5 CP