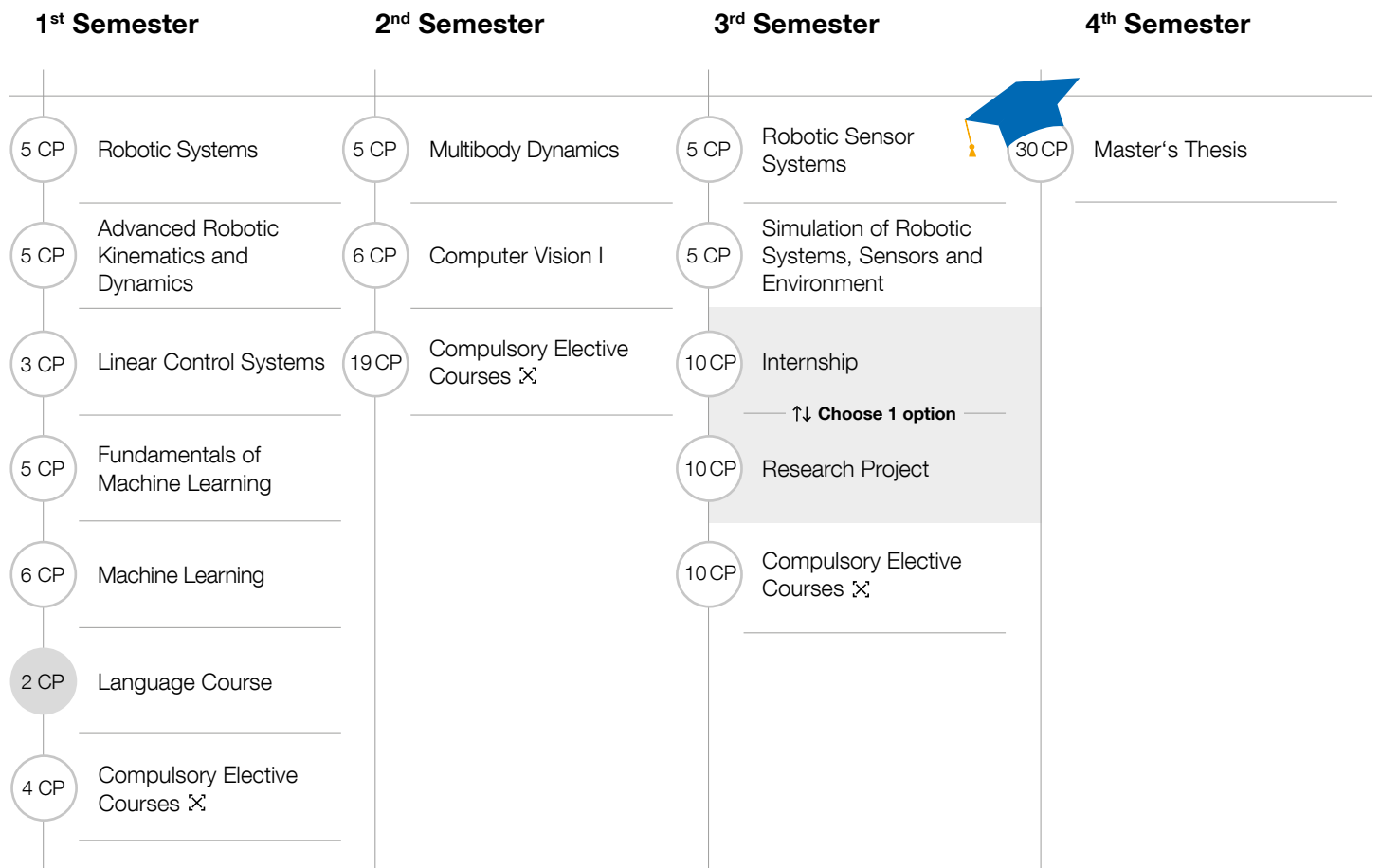


Master of Science (M.Sc.) Robotic Systems Engineering



\otimes Compulsory Elective Courses

Winter Semester

Advanced Control Systems 4 CP
 Advanced Finite Element Methods for Engineers 5 CP
 Applied Numerical Optimization Engineering 4 CP
 Introduction to Artificial Intelligence 6 CP
 Management and Engineering Perspectives 5 CP
 Mechatronics and Control Techniques for Production Plants 6 CP
 Numerical Methods in Mechanical Engineering 7 CP
 Power Electronics – Control, Synthesis and Applications 5 CP
 Processes and Principles for Lightweight Design 6 CP
 Strategic Technology Management 5 CP

Summer Semester

Advanced Electrical Drives 4 CP
 Advanced Machine Learning 6 CP
 Artificial Intelligence and Data Analytics for Engineers 5 CP
 Industrial Logistics 5 CP
 International Factory Planning 6 CP
 Machine Dynamics of Rigid Systems 6 CP
 Production Metrology 5 CP
 Reinforcement Learning and Learning-Based Control 6 CP
 Summer School – Advanced Topics in Robotic Systems Engineering 3 CP