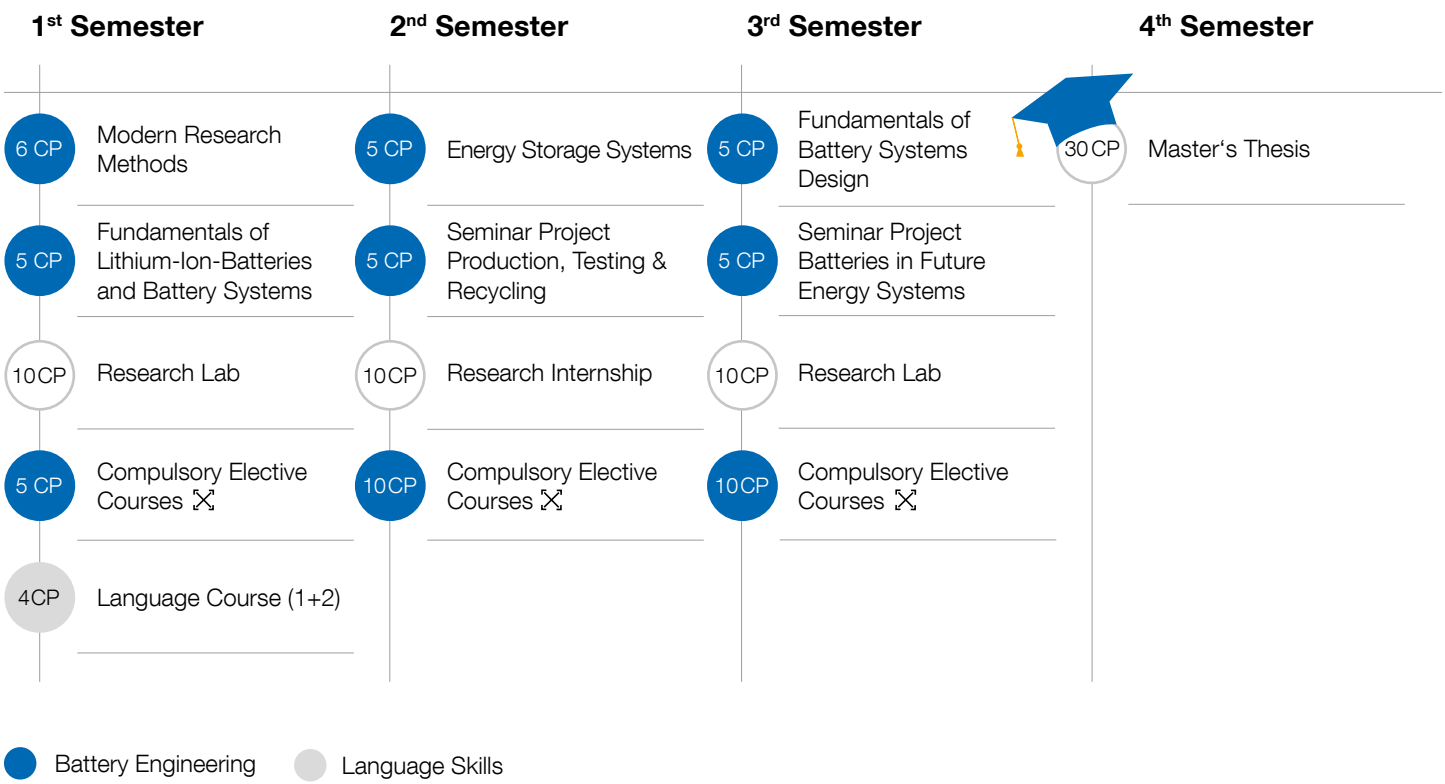
Master of Science (M.Sc.) BSE I Battery System Engineering



Compulsory Elective Courses (choose 5 modules from which 3 should correspond to the topics of the Research Labs and Research Internship)

Physical and Chemical Methods for Post-Mortem Investigations of Batteries	5 CP	Economics of Battery Applications and Recycling	5 CP
Battery Modelling and Mobile Applications	5 CP	Hardware of Battery Packs & Stationary Applications	5 CP
Advanced Battery Diagnostics and Machine Learning	5 CP	Understanding Battery Degradation	5 CP
Advanced Battery Production Technology	5 CP		

Elective Modules for the Research Internship (choose 1 module) & Research Labs (choose 2 modules)

Chemical and Physical Cell and Material Analysis	10 CP	Battery Pack Design and Battery Management System (HW)	10 CP
Diagnostics	10 CP	Sensors, Measurement Devices and Electronics	10 CP
Modelling	10 CP	Laboratory of Field Installation or Operation of Mobile or Stationary Battery Systems	10 CP
Production	10 CP		
Recycling and Life Cycle Analysis	10 CP		