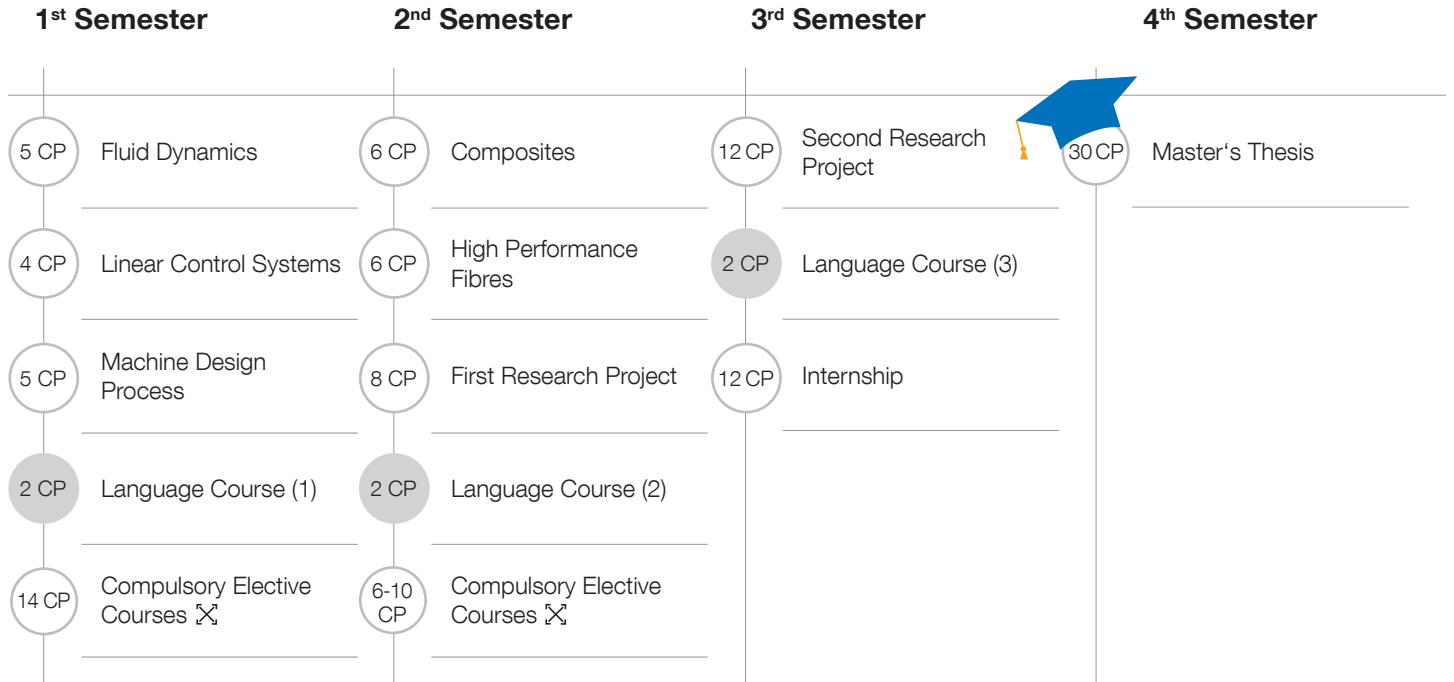


Master of Science (M.Sc.) Textile Engineering

Track: Research



Σ Compulsory Elective Courses

Winter Semester

Artificial Neural Networks in Structural Mechanics
 Computational Intelligence in Engineering
 Fundamentals of Lightweight Design
 Management and Engineering Perspectives
 Numerical Methods in Mechanical Engineering
 Practical Introduction to FEM Software I
 Quality Management

Summer Semester

6 CP	Ausgewählte Themen der Textiltechnik	●	6 CP
5 CP	Computational Fluid Dynamics I		4 CP
4 CP	Faserstoffe 2 (synthetic fibres)	●	3 CP
5 CP	Failure of Structure and Structural Elements		5 CP
7 CP	Finite Element Methods in Lightweight Design		5 CP
5 CP	Intelligent Monitoring of Engineering Systems		5 CP
6 CP	Modellbildung und Simulation in der Kunststoff- und Textiltechnik	●	6 CP
	Nonlinear Structural Mechanics		5 CP
	Production Metrology		5 CP
	Technische Textilien (technical trextiles)	●	6 CP
	Textiltechnik 2 (yarns)	●	6 CP

● textile related (choose at least one of the highlighted modules)