Master of Science (M.Sc.) Textile Engineering

Track: Research

1st Semester		2nd Semester		3rd Semester		4th Semester	
5 CP	Fluid Dynamics	6 CP	Composites	6 CP	Second Research Project	30 CP	Master’s Thesis
4 CP	Linear Control Systems	6 CP	High Performance Fibres	9 CP	Language Course (3)		
5 CP	Machine Design Process	8 CP	First Research Project	2 CP	Internship		
2 CP	Language Course (1)	2 CP	Language Course (2)				
114CP	Compulsory Elective Courses	6-10 CP	Compulsory Elective Courses				

Compulsory Courses · Compulsory Elective Courses · Internship · Language Skills

Compulsory Elective Courses

Winter Semester

Artificial Neural Networks in Structural Mechanics	6 CP
Computational Intelligence in Engineering	5 CP
Fundamentals of Lightweight Design	4 CP
Management and Engineering Perspectives	5 CP
Numerical Methods in Mechanical Engineering	7 CP
Practical Introduction to FEM Software I	5 CP
Quality Management	6 CP

Summer Semester

Ausgewählte Themen der Textiltechnik	●	6 CP
Computational Fluid Dynamics I		4 CP
Faserstoffe 2 (synthetic fibres)	●	3 CP
Failure of Structure and Structural Elements		5 CP
Finite Element Methods in Lightweight Design		5 CP
Intelligent Monitoring of Engineering Systems		5 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 12 CP of the highlighted modules)