

Global map of study subjects - Master's Program "Polymer Technologies and Science" (2014)

1 st Semester (WS)		2 nd Semester (SS)		3 rd Semester (WS)		4 th Semester (SS)	
Subject/Course	ECTS	Subject/Course	ECTS	Subject/Course	ECTS	Subject/Course	ECTS
Polymeric Materials and Testing VL Structure Development in Polymeric Materials VL Industrial Chemistry for Plastic Engineering	4,5	Polymeric Materials and Testing VL Physical Chemistry of Surfaces and Interfaces VL Chemische Interaktion im Polymer VL Polymeric Materials 3: Polymer Mechanics and Fracture Mechanics VL+SE Polymeric Materials 4: Functional Polymeric Materials	8,3	Polymeric Materials and Testing PR Characterization and Testing of Polymeric Materials 2	4	Master's Thesis	24
				Polymer Product Engineering KV Mechanical Material Models for Polymers KV Design of Lightweight Structures	6		
Polymer Processing VL Polymer Injection Moulding 1: Machine Engineering VL+UE Polymer Extrusion and Compounding 1: Process Technologies	7,5	Polymer Product Engineering VL Polymer Product Design and Engineering 4: Integrated injection molding, micromechanics and structure simulation VL+UE Lightweight Design with Composite Materials UE Structural Durability Calculations	9	Elective Track	18,2		
Elective Track	9,5	Polymer Processing KV Polymer Injection Moulding 2: Process Technologies VL+UE Polymer Extrusion and Compounding 2: Modelling Screw Extrusion PR Polymer Processing	9,5				
Free Electives	2,5	Soft Skills	3	Free Electives	6,5	Free Electives	3
30		29,8		30,2		30	

Polymer Materials and Testing
 Polymer Product Engineering
 Polymer Processing

16,8
 16,5 Elective Track
 17 Free Electives

27,7
 12

Total: 120