

Programme structure for the master's degree programme in Additive Manufacturing:

Module	CP	Sem. 1	Sem. 2	Sem. 3	Sem. 4
		Workload / h			
Plastics Technologies in Additive Manufacturing	5	150			
Materials Science of Metals	5	150			
3D-Metal Printing	5	150			
Introduction to Additive Manufacturing & Manufacturing Technology	6	180			
Materials Science of Plastics	5	150			
Powder Technology	5	150			
Structure Optimization	5		150		
Design Rules for Additive Manufacturing	5		150		
Product Creation	5		150		
Standard Software Application Development	5			150	
Technical elective module 1	5		150		
Technical elective module 2	5			150	
Technical elective module 3	5			150	
Technical elective module 4	5				150
Industrial Internship	12		360		
Research Paper	12			360	
Master's Thesis	25				750
Total Workload / h		930	960	810	900
Total CP	120	31	32	27	30

4 technical elective modules must be selected from the following list:

Technical elective modules
Tooling Technology – Planning, Manufacture, Postprocessing
Design for Additive Manufacturing
3D-Printing of Ceramics
Experimental Methods
Computer Aided Alloy Design
Visualization and Industry 4.0
Additive Consulting
Mechanics of Plastics
Recycling of Plastics