

Anlage 1: Studienverlaufsplan

Semester	SoSe 1	WiSe 1	SoSe 2
Credit Points	30	30	30
Advanced Automotive Engineering	24	4	
Adv. Body Engineering and Lightweight Design	6		
Vehicle Concepts and Integration	6		
Vehicle Dynamics and Automotive Chassis	6		
Vehicle Electronics and Communication	6		
Electives (1 to be selected)		4	
<i>Adv. Combustion Engines</i>		4	
<i>FEA in Body Engineering</i>		4	
<i>NVH Systems Engineering</i>		4	
<i>Adv. Vehicle Safety</i>		4	
Advanced Scientific Methods	6	14	
Numerical Methods	6		
Adv. Materials - Selection and Life Cycle Assessment		6	
Electives (2 to be selected)		8	
<i>Adv. Thermodynamics</i>		4	
<i>Optimal Control and Estimation</i>		4	
<i>Statistical Optimization</i>		4	
<i>Structural Durability</i>		4	
<i>Vehicle Dynamics Simulation</i>		4	
General and Engineering Courses (2 to be selected)		8	
<i>Automotive Manufacturing Processes</i>		4	
<i>Corporate Management</i>		4	
<i>Digital Factory</i>		4	
<i>Legal Requirements and Homologation</i>		4	
<i>Sustainability</i>		4	
<i>Engineering Ethics</i>		4	
<i>Automotive Supply Chain Management</i>		4	
Scientific and Interdisciplinary Seminars (1 to be selected)		4	
<i>Leadership Application</i>	Scientific Seminar	Adv. Technical English-Consulting	4
<i>Component Design, Materials and Manufacture</i>			4
<i>Virtual Reality</i>			4
<i>Cost-Efficient Product Design</i>			4
<i>Driver Assistance Systems</i>			4
<i>Mobility Concepts</i>			4
<i>Technology of Material Flow and Robotics</i>			4
Master Thesis			30
Thesis			30