

Study program Micro- and Nanotechnologies (Master of Science) PO 2016

Elective catalogue (Advanced Studies)

valid: winter semester 2021/22 and
summer semester 2022

Module	Module name English	Teaching language	Type of module	Type of completion (Form and duration of the PL is defined in the module description)		Semester	
						Winter 2021/22	Summer 2022
						credit points	credit points
Advanced Studies (Students choose modules for 30 credit points minimum)				MP	= assigned PL		
Microsensors and microactuators		English	W		PL	5	
Micro- and Semiconductor Technology 2		English	W		PL		5
Advanced Packaging and Assembly Technology		English	W		PL		5
Elektroniktechnologie 2	Electronics Technology 2	German	W		PL		5
Functionalized Peripherals		English	W		PL	5	
Laserphysik	Laser Physics	English	W		PL	4	
Nanostructure physics		English	W		PL		4
Halbleiter	Semiconductor Physics	English	W		PL	3	
Techniken der Oberflächenphysik	Techniques of Surface Physics	English	W		PL	3	
Integrierte Optik und Mikrooptik	Integrated Optics and Microoptics	English	W		PL		3
Lasertechnik	Applied Laser technology	English	W		PL	3	
Micro- and Nano Systems Technology		English	W		PL	5	
Micro and Nano Sensor Technology		English	W		PL		5
Neuromorphic Engineering 1		English	W		PL		5
Neuromorphic Engineering 2		English	W		PL	5	
Semiconductor Devices 2		English	W		PL		5
Thin Films and Surfaces		English	W		PL	5	
3D Materialanalytik	3D Material Analysis	English	W		PL	5	
3D Material Analysis		English	W		PL		5
Funktionswerkstoffe	Functional Materials	German	W		PL	5	
Batterien und Brennstoffzellen	Batteries and Fuel Cells	English	W		PL		5

MP Modulprüfung
PL Prüfungsleistung / examination performance

w Wahlmodul / elective module
P Pflichtmodul / mandatory module