

## B.Sc. Engineering Science

Abk	Name		1 H			2 W			3 F			4 H			5 W			6 F			7 H				
			V	Ü	L	TWS	CP	Pr	V	Ü	L	TWS	CP	Pr	V	Ü	L	TWS	CP	Pr	V	Ü	L	TWS	CP
	Preliminary Online Mathematics Course	E				(6)	2																		
	Calculus & Linear Algebra 1	Carraro	C	2	2	1	5	6	2																
	Calculus & Linear Algebra 2	Carraro	C							2	2	1	5												
	Programming and Computation for Data Science		C																						
PA	Introduction to Computer Science	Neumann		2			2		1,5																
	Programming in C	Niggemann					2	1	3	2															
	Programming and Computational Methods for Data Science	Niggemann								1	2		3	2											
	Electrical Engineering		C																						
	Electric Circuits	Dickmann (LA Schenke)		4	2		6	2																	
	Electronic Systems	Göbel								3	1		4	2											
	Electromagnetics		C																						
	Electromagnetic Compatibility	Dickmann													2										
	Electromagnetic Fields and Waves	Stierner													2	1	3	6							
	Engineering Mechanics		C	2	2				2	2			15												
	Statics	Meywerk					4	2																	
	Mechanics of Materials	Jung								4		2													
	Dynamics	Nachfolger Rothe (Kramer)											4	2											
	Materials Science		C																						
	Materials Technology	Niemeyer (Nachfolgerin) Klassen		3	1		4																		
	Thermal/Fluids Engineering		C																						
	Thermodynamics	Meier																							
	Fluid Mechanics	Breuer													3	2		5	2						
?	Communication Systems																								
	Digital Communication Systems	Zölzer													2	1		3							
	Fundamentals of Photonics																								
	Fundamentals of Photonics II	Pronin								2	1		3												
	Sensor Systems																								
	Sensor Signal Processing in Navigation	Scholl													2	1		3							
	Radar and Antennas	Fickenscher													2	1		3							
	Practical Training	Schenke																							
	Drives and Propulsion		C 2/3																						
	Electrical Drives	Kreischer																							
	Aerospace Propulsion	Schatz																							
	Combustion Engine Powered Drive Systems	N.N.																							
	Control Systems		C																						
	Continuous Control	Horn													2	1		3							
	Discrete Control	Niggemann													2	1		3							
PA	Compulsory Elective Courses		E 12 CP																						
	Artificial Intelligence: Algorithms and Applications	Stierner													2	2		(4)	(4)						
	Vehicle Dynamics	Meywerk																							
	Mechatronics/Multibody Simulation	Sachau (LA Jukkert)													2	1		(3)	(4)	A					
	Heat Transfer	Meier																							
	Production Engineering	Wulfsberg (LA Redlich)													2	1		(3)	(4)	A					
	Sensors and Actuators	Niggemann													2	1		(3)	(4)	A					
	Interdisciplinary Studies	(Ref. MA ES/DS)	E												2			2	3	A					
	Student's Project	Profs ET/MB	E																						
	Bachelor Thesis	Profs ET/MB	C																						
	Language Training 1	SPZ	C				4																		
	Language Training 2	SPZ	C																						
	Academic English and Skills	SPZ	C																						
	∑ TWS			133			25			25			19		24			17			20			3	
	∑ CP			176			6			23			46		34			11			34			22	
	# of Examinations			351			51			50			50		50			50			50			50	

CP/TWS

1,07