



Curriculum

Bachelor's programme ROBOTICS

FH·W-S

Hochschule
für angewandte Wissenschaften
Würzburg-Schweinfurt

ECTS – Credit Points

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
Semester	1	Engineering Mathematics 1 (1)				Basics of Electrical Engineering (2)					Robot Mechanics 1 (3)					Basics of Computer Engineering and Operating Syst. (4)					Programming 1 (5)					Robotics Lab 1 (6)					
	2	Engineering Mathematics 2 (7)				Basics of Electronics and Components (8)					Robot Mechanics 2 (9)					Sensors and Metrology (10)					Programming 2 (11)					Robotics Lab 2 (12)					
	3	Statistics and Sensor Data Fusion (13)				Systems Theory (14)					Software Engineering and Cyber Security (15)					Image Processing (16)					Embedded Systems and Field Buses (17)					Robotics Lab 3 (18)					
	4	Core Elective 1a (19)				Core Elective 1b (20)					Control Systems (21)					Distributed Systems and Network Comm. (22)					Machine Learning (23)					Robotics Lab 4 (24)					
	5	Internship (25)																									General Elective (26)				
	6	Core Elective 2a (27)				Core Elective 2b (28)					Actuators (29)					Robotics Specialisation Modules										Robotics Project (33)					
	7	Bachelor's Thesis (36)										Business Development and Entrepren. (35)					(30,31,32)					Value Seminar (34)									