

# Study programme Mechatronics (Bachelor of Engineering)

Semester		Mandatory General Scientific Elective Modules 5/4	Mandatory General Scientific Elective Modules 5/4	Mandatory General Scientific Elective Modules 5/4	Bachelor Thesis Presentation 3/	Bachelor Thesis 12/	ECTS points/ Weekly semester hours	
Stage of study 2	7						30/12	
	6	Applications of Control Engineering 5/4	Robotics and Automation 5/4	Actuators and Sensors 2 5/4	Modelling and Simulation of Mechatronic Systems 5/4	Electronics 2 5/4	Mechatronic Design and CAD 5/4	30/24
	5	Mandatory General Scientific Elective Modules Module 1 2/2	Module 2 2/2	Module 3 2/2	Practical Semester 22/2			28/8
	4	Control Engineering 5/4	Signal Processing 7/6	Actuators and Sensors 1 5/4	Finite Element Simulation 5/4	Electrical Measurements 2 5/4	Mechanical Design 5/4	32/26
	3	Mathematics 3 5/4	Physical Electric Lab Courses 8/8	Electrical Measurements 1 5/4	Electronics 1 6/6	Material Engineering 6/6		30/28
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Stage of study 1	2	Mathematics 2 6/6	Electrical Engineering 2 6/6	Computer Science 2 5/4	Microcontroller 5/4	Physics 2 5/4	Mechanical Engineering 4/4	31/28
	1	Mathematics 1 6/6	Electrical Engineering 1 7/6	Computer Science 1 8/8	Physics 1 6/6	Mechanical Engineering 2/2		29/28