

# Study programme Intelligent Systems Engineering (Bachelor of Engineering)

Semester	Course Details						ECTS points/ Weekly semester hours		
7	Elective Module Embedded Systems and Algorithms 5/4		Elective Module Applications and Intensivation 5/4		Mandatory General Scientific Elective Modules 5/4	Bachelor Thesis Presentation 3/	Bachelor Thesis 12/	30/12	
6	Elective Module Embedded Systems and Algorithms 5/4		Elective Module Embedded Systems and Algorithms 5/4		Elective Module Applications and Intensivation 5/4	Elective Module Applications and Intensivation 5/4	Mandatory General Scientific Elective Modules 5/4	Mandatory General Scientific Elective Modules 5/4	30/24
5	Mandatory General Elective Modules 22/2	Module 1 2/2	Module 2 2/2	Module 3 2/2	Practical Semester 22/2			28/8	
4	Control Engineering 7/6		Analogue Circuit Design 7/6		Measurement Fundamentals 2 and Sensor Applications 7/6		Real-Time Systems 5/4	Database Applications 5/4	31/26
3	Mathematics 3 5/4		Measurement Fundamentals 1 5/4		Signals and Systems 9/8		Microcomputer Technology 6/6	Algorithms and Data Structures 6/6	31/28
2	Mathematics 2 6/6		Electrical Engineering 2 7/6		Computer Science 2 5/4	Digital Electronics 6/6	Electronic Components 4/4	Material Structure and Technical Properties 4/4	32/30
1	Mathematics 1 6/6		Electrical Engineering 1 7/6		Computer Science 1 6/6	Physics 6/6	Secure Networks 3/4		28/28