

		Learning outcomes																											
		Theoretical and mathematical-natural science competence		Basic skills of Electronics		Project management		Communication skills		Deep understanding of laws of Electronics		Analytical problem-solving skills		Expertise in product development and project operations		Learning to learn		Ethics		Operating in a workplace		Innovation competence		Internationality and multiculturalism		Sustainable development		Proactive development	
		5	x	5	x	5	x	5	x	5	x	5	x	5	x	5	x	5	x	5	x	5	x	5	x	5	x		
1st Year of study Orientation and introduction to studies and own field	Engineering Mathematics 1	5	x																										
	Orientation to Studies	5	x																										
	C-programming	5	x																										
	Engineering Physics 1	5	x																										
	Electrical Engineering 1	5	x																										
	Electronics 1	5	x																										
	Engineering Math 2	5	x																										
	Electrical Engineering 2	5	x																										
	Introduction to Automation Technology	5	x																										
	Engineering Physics 2	5	x																										
	Electronics Project	5	x																										
	Electronics 2	5	x																										
In total		60																											
2nd Year of study Basic studies in Electronics	Advanced Mathematics 1	5	x																										
	Digital Technology	5	x																										
	Measurement Technology	5	x																										
	User interfaces and industrial communication systems	5	x																										
	Analog Electronics	5	x																										
	Cyber Physical Systems	5	x																										
	Microcontrollers and Programming	5	x																										
	Radio Technology	5	x																										
	Analog Systems Design	5	x																										
	Advanced Mathematics 2	5	x																										
	EMC	5	x																										
	Embedded Programming	5	x																										
3rd Year of study Advanced level studies in Electronics and Development of professional identity	Mathematics for Radio Technology	5	x																										
	Microwave Engineering	5	x																										
	Wireless Systems	5	x																										
	Sensor Technologies	5	x																										
	Analog IC Design	5	x																										
	Academic English and Reporting Skills	5	x																										
	Sustainable Development and Ethics	5	x																										
	MEMS Technology	5	x																										
	Test Engineering	5	x																										