

Semester 1	Semester 2	Semester 3	Semester 4	Semester 5	Semester 6			Semester 7		
					AC	ET	Inf	AC	ET	Inf
Foreign language 2ECTS	Foreign language 2ECTS	Foreign language 2ECTS	Foreign language 2ECTS	Control fundamentals I 6ECTS	Control fundamentals II 2ECTS			CAD of control systems 3ECTS	Hardware description languages (VHDL/Verilog) 3ECTS	Social and Professional challenges of Computer Science
Algebra and analytic geometry I 5ECTS	Algebra and analytic geometry II 5ECTS	Electronic devices and circuits I 3ECTS	Electronic devices and circuits II 6ECTS	Artificial intelligence 4ECTS	Computer graphics 3ECTS			Hierarchical control 3ECTS	Design for Manufacture 3ECTS	Software Engineering 4ECTS
Calculus and differential equations I 6ECTS	Calculus and differential equations II 5ECTS	Introduction to system dynamics 5ECTS	Theory of computer science I 4ECTS	Theory of computer science II 3ECTS	Embedded systems 3ECTS			Applied digital signal processing 3ECTS	Computer Architecture 3ECTS	Computer Architecture 3ECTS
Introduction to electric and electronic circuits I 5ECTS	Introduction to electric and electronic circuits II 6ECTS	Probability and statistics 5ECTS	Numerical methods 4ECTS	Computer networks 6ECTS	Databases 4ECTS			Optional course 1 2ECTS		
Theory of logic circuits I 5ECTS	Theory of logic circuits II 3ECTS	Optimization and decision making 5ECTS	Digital circuits 5ECTS	Analog and digital signal processing 5ECTS	Operating systems 4ECTS			Optional course 2 2ECTS		
Fundamentals of computer programming 5ECTS	Discrete mathematics 3ECTS	Physics II 6ECTS	Measurement systems 6ECTS	Microprocessor systems 4ECTS	Robotics 6ECTS	Analog Circuit Design Practical Approach 3ECTS	Algorithms and Data Structures 3ECTS	Final project 13ECTS		
Social sciences 1 2ECTS	Physics I 3ECTS					Optional course A1 2ECTS				
Physical education	Computer programming I 3ECTS	Optional course A2 2ECTS	Programmable Logic Controllers 3ECTS	Optional course I2 2ECTS						
Physical education	Computer programming II 4ECTS	Industrial training 4ECTS								
Physical education	Social sciences 2 3ECTS	Project management 2ECTS								
Math & physics			Engineering - all specializations			General education				
Engineering - Automatic Control			Engineering - Informatics			Engineering - Electronics and Telecommunication				

Figure 5-1. Plan of study for the Control, Electronic and Information Engineering program, leading to the BSc. Eng. degree