

# Electrical and Automation Engineering Degree Programme, full time studies, academic year 2022 - 2023

	Autumn 2022, 1. period	Autumn 2022, 2. period	Spring 2023, 3. period	Spring 2023, 4. period	Summer 2023, 5. period
<b>BEEAP19A7</b>	EA00CM43-3001 Maintenance	99991203 Thesis	EA00BX12-3001 Work Placement 1	EA00BX19-3001 Work Placement 2	
<b>BEEAP20A7</b>	EA00CW37-3001 Modern Technology Applications	EA00CW36-3001 Distributed Energy Solutions	EA00CW38-3001 Process Automation	EA00CW39-3001 Production Automation	Electrical and Automation – Development Project
<b>BEEAP21A7</b>	Programming Applications 1	Software Engineering	Information Technology	Programming Applications 2	Electrical and Automation – Development Project
	EA00DD50-3001 Data Networks and Data Security, 4 cr EA00DD51-3001 Mechanics, 3 cr EA00DD52-3001 PLC Programming and Human Machine Interface, 8 cr	EA00DD53-3001 Fluids, Heat and Thermodynamics, 3 cr EA00DD54-3001 Mathematics of Computing, 3 cr KM00DE61-3001 Negotiation Skills, 2 cr EA00DD56-3001 Software Production and Testing, 7 cr	EA00DD57-3001 Data Analysis, 4 cr EA00DD58-3001 Electricity, Magnetism and Waves, 3 cr EA00DD59-3001 Industrial Internet of Things, 5 cr EA00DD60-3001 International Project, part 1, 1 cr KM00DE81-3001 Technical English 2, 2 cr	EA00DD61-3001 Embedded Systems, 6 cr EA00DJ01-3001 International Project, part 2, 1 cr EA00DD62-3001 Physics Laboratory Work, 3 cr EA00DD63-3001 Statistical Mathematics and Differential Equations, 3 cr KM00DE58-3001 Technical English 3, 2 cr	
<b>BEEAP22A7</b>	Introduction to Automation	Automation Applications	Introduction to Metrology	Metrology Systems	Electrical and Automation – Development Project
	KM00CV11-3036 Algebra, 3 cr KM00DE52-3003 Finnish 1, 3 cr EA00DD33-3002 Introduction to Automation Engineering, 5 cr EA00DD34-3002 Technical Project 1, 2 cr EA00DD35-3002 Theoretical Electrical Engineering – DC, 2 cr	KM00DE53-3002 Finnish 2, 2 cr KM00CV13-3025 Geometry and Linear Algebra, 3 cr EA00DD38-3002 Introduction to Programming, 3 cr KM00DE59-3004 Technical English 1, 2 cr EA00DD40-3002 Technical Project 2, 2 cr EA00DD41-3002 Theoretical Electrical Engineering – AC, 3 cr	KM00CV61-3022 Differential Calculus, 2 cr EA00DD43-3002 Electrical Measurements, 8 cr KM00DE54-3002 Finnish 3, 2 cr EA00DD45-3002 Laboratory Work in Automation Technology 1, 3 cr	KM00DE55-3002 Finnish 4, 3 cr KM00CV62-3021 Integral Calculus, 2 cr EA00DD48-3002 Laboratory Work in Automation Technology 2, 3 cr EA00DD49-3002 Measurement Systems, 7 cr	

  Core competence, compulsory modules

 Profiling competence, optional modules