

Recommended Schedule for Master's Programme in Industrial Digitalisation 2018-2019

27.4.2018 / J.H

		SYKSY / AUTUMN															KEVÄT / SPRING																																												
week		36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21																								
1st year		I period															II period															III period															IV period														
		OPIS0039 Personal Study Plan 0 ECTS															OPIS0025 Seeking for Scientific Information 1, 1 ECTS															STAT3120 Probability and Stochastic Processes 5 ECTS															KENG9212 Writing Academic English 5 ECTS (autumn or spring), or an online implementation from week 37														
		KENG9212 Writing Academic English 5 ECTS (autumn or spring), or an online implementation from week 37															KESU05111 Finnish for Foreigners I 5 ECTS															ICAT3020 C and Embedded C Programming 3 ECTS															MATH1240 Linear Algebra II 3 ECTS														
		ICATC2120 Wireless Networks 5 ECTS															MATH2030 Numerical Methods 5 ECTS															ICAT3010 Advanced Telecommunication Theory 8 ECTS															ICAT3180 Applied Signal Processing 5 ECTS														
		ICATC2140 Fieldbuses and Internet 3															ICAT2020 Modelling of Digital Circuits 5 ECTS															ICAT3120 Machine Learning 5 ECTS															ICAT3060 Energy Chains Optimisation 5 ECTS														
		ICAT2020 Modelling of Digital Circuits 5 ECTS															MATHC1210 Integral Transforms 3 ECTS															ICAT3150 R Programming 5 ECTS															ICAT3130 Mobile Application Development 5														
		MATHC1210 Integral Transforms 3 ECTS															ICAT3160 Security of Embedded and Distributed Systems 7 ECTS															ICAT3050 Embedded System Architecture and Design 5 ECTS																													
		ICAT3030 Computer Simulations 5 ECTS															ICAT3050 Embedded System Architecture and Design 5 ECTS																																												
		ICAT2010 Sensor and Control Technology 5 ECTS																																																											
	2nd year		ICAT3070 Evolutionary Computing 5 ECTS															ISAN3020 Architecture of Complex Systems 5 ECTS															ICAT3170 SoC-FPGA 5 ECTS															SATE3130 Smart Grid Communication 6 ECTS													
		ISAN3020 Architecture of Complex Systems 5 ECTS																														ICAT3110 Intelligent Robotics 5 ECTS															ICAT3990 Master's Thesis 30 ECTS: ICAT3995 Research Plan and Presentation 10 ECTS, ICAT3996 Master's Thesis 20 ECTS, ICAT3991 Master's Thesis Presentation 0 ECTS, Maturity Exam 0 ECTS														
																																															ICAT3190 Special Topics in ICT and Automation 1-5 ECTS														
																																															ICAT3090 ICAT Project Work 2-8 ECTS														
																																															ICAT3100 ICAT Seminar 3 ECTS														
																																															Business Studies (mandatory for Finnish Students, recommended for others) 14 ECTS														
																																															Optional Studies 5-20 ECTS														

Complementary Studies, mandatory courses 14-16 ECTS

Complementary Studies, optional courses, choose enough to reach 30-31 ECTS
NB! Head of the Programme may assign you some of these as mandatory in your Personal Study Plan!

Major Studies, mandatory courses 20 ECTS

Major Studies, optional courses, choose enough to reach 40 ECTS

Business Studies 14 ECTS

Optional Studies 5-20 ECTS
 For example:
 KSU05112 Finnish for Foreigners II 5 ECTS
 KSU05113 Finnish for Foreigners III 3 ECTS
 SATE2020 Energy Production 5 ECTS
 OPIS0026 Seeking for Scientific Information 1, 1 ECTS
 TITE2220 Introduction to e-Business 5 ECTS
 OPIS0075 Applying for a Job in Finland 1 ECTS

Not arranged 2018-2019

ICAT3070 Evolutionary Computing 5 ECTS

ICATC2120 Wireless Networks 5 ECTS

ICAT3010 Advanced Telecommunication Theory 8 ECTS

N.B. This is a recommended programme schedule – to be used as a guideline but not necessarily to be followed strictly.
 Discuss the selection of optional courses with the student advisor when making your Personal Study Plan (PSP).
 The recommended workload for one academic year is 60 ECTS, including optional courses.