

# Recommended Schedule for Master's Programme in Industrial Systems Analytics 2018-2019

26.4.2018 / 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 Searching for Scientific Information 1, 1 ECTS					KENG9212 Writing Academic English 5 ECTS (autumn or spring)										Complementary Studies 26 ECTS															
		KENG9212 Writing Academic English 5 ECTS (autumn or spring), or an online implementation from week 37										STAT3120 Probability and Stochastic Processes 5 ECTS					Complementary Studies, optional courses, choose courses worth of 10 ECTS																				
		KSUO5111 Finnish for Foreigners I 5 ECTS					STAT1010 Statistical Analysis of Contingency and										Technology Studies 20 ECTS																				
		STAT2020 Econometrics I 5 ECTS					MATH1170 Probability and Statistics 5 ECTS					Technology Studies, optional courses, choose enough to reach 20 ECTS ICAT3090 Fuzzy Systems 5 ICAT3180 Applied Signal Processing 5 ICAT3030 Computer Simulations 5 SATE3130 Smart Grid Communication 6 SATE3090 Uusiutuvat energialähteet 5 TUTA3230 Product and Service Design in Practice 5 TUTA2230 Innovative Product Development and Product Lifecycle Management 5 TUTA3060 Advanced Course in Quality and Reliability Management 5 ICAT3020 C and Embedded C Programming 3 ICAT3190 Special Topics in ICT and Automation 1-5																									
		ORMS1020 Operations Research 5 ECTS					MATH2020 Discrete Mathematics 5 ECTS (self-study)										Modules in Major Studies 30 ECTS, choose two modules á 15 ECTS																				
		STAT3130 Mathematical Statistics 5 ECTS (self-study)										SATE2020 Energy Production 5 ECTS (self-study)										Master's Thesis and Maturity Exam 30 ECTS															
		Technology Studies, optional courses, choose enough to reach 20 ECTS										ICAT3060 Energy Chains Optimisation 5 ECTS										Industrial Project Work 5-10 ECTS															
		JOHT3019 Project					ISAN3040 Project Portfolio Management 5 ECTS					STAT3150 R Programming 5 ECTS					Optional Studies 5-10 ECTS																				
		ISAN3070 Systems Engineering 5 ECTS					STAT3120 Machine Learning 5 ECTS					ISAN3050 Service Design 5 ECTS																									
2nd year		STAT3120 Probability and Stochastic Processes 5 ECTS										STAT3140 Applied Multivariate Statistics 5 ECTS																									
		ISAN3010 Analytics in Project Management 5 ECTS					ISAN3020 Architecture of Complex Systems 5 ECTS					ISAN3060 Lean Six Sigma Statistical Control 5 ECTS																									
		ISAN3060 Lean Six Sigma Statistical Control 5 ECTS					ISAN3990 Master's Thesis and Maturity Exam 30 ECTS																														
		ISAN3030 Industrial Project Work 5-10 ECTS										Optional Studies 9-14 ECTS																									
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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.