



Student	Sumit Kumar Sahoo	Duration of Right to Study	
Personal identity code	180389-331N	01.08.2024–31.07.2028	
Student Number	2402967	Required Credits	120 cr
Decree on University Degrees	Government decrees on University Degrees (794/2004)	Completed	85 cr
Degree	Master of Science in Technology	Average	4,39
School	School of Technology and Innovations		
Degree Programme	Master's Programme in Smart Energy		
Major	Robotics		

Attendance:

Autumn Semester 2024 - Attending
Spring Semester 2025 - Attending

Studies	Credits	Assessment	Date	Assessed by
Master of Science in Technology				
Complementary Studies	12 cr			
OPIS0025 Searching for Scientific Information 1	1 cr	pass	05.11.2024	Niina Sorvari
TECH1020 Engineering Ethics, Norms and Regulations	1 cr	pass	30.04.2025	Nasser Abdullah
KSUO5051A Finnish as a Foreign Language 1a: introduction	2 cr	5	02.12.2024	Mia Juthman
ICAT1010 C Programming	3 cr	5	15.10.2024	Tobias Glocker
ICAT3310 Python for Systems Intelligence and Analytics	5 cr	4	30.03.2025	Jani Päivärinta
Major Studies	58 cr			
ICAT3270 Introduction to Robotics	5 cr	4	04.07.2025	Anastasia Koivikko
ICAT3230 Embedded C Programming	5 cr	5	26.05.2025	Tobias Glocker
ICAT3110 Intelligent Robotics	5 cr	5	30.05.2025	Mahmoud Elsanhoury
ICAT3280 Machine Vision for Robotics	5 cr	4	16.06.2025	Anastasia Koivikko
ICAT3120 Machine Learning	5 cr	5	07.03.2025	Mohammed Elmusrati
ICAT3260 Machine Learning for Computer Vision	5 cr	5	04.02.2025	Jani Boutellier
ICAT3050 Embedded System Architecture and Design	5 cr	4	09.12.2024	Tobias Glocker
TUTA3250 Simulation of Production Systems	3 cr	3	22.06.2025	Rayko Toshev
ICAT3210 Applied Machine Learning	5 cr	4	09.12.2024	Petri Välisuo
ICAT3180 Applied Signal Processing	5 cr	5	08.04.2025	Janne Koljonen
TECH3020 GNSS Technologies	5 cr	5	27.12.2024	Heidi Kuusniemi
ICAT3250 Navigation Technologies for Autonomous Systems	5 cr	5	13.05.2025	Heidi Kuusniemi
Business Studies	15 cr			
TECH3040 Project Management: Methods, Tools and Applications	5 cr	5	02.12.2024	Ahm Shamsuzzoha
TUTA3030 Technology Management	5 cr	3	26.01.2025	Rayko Toshev
TUTA3230 Product and Service Design in Practice	5 cr	3	08.11.2024	Binod Timilsina



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Grade Definition

5 = excellent
4 = very good
3 = good
2 = satisfactory
1 = sufficient
pass = passed
PD = pass with distinction

e = excellent
eh = very good
h = good
t = satisfactory
v = sufficient
