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Student, Personal Identity Code	MADEE UTHTHARA DEEGODA GAMAGE, 150400A762F
OID	1.2.246.562.24.93728234301
Degree Programme, credits	Bachelor's Degree Programme in Information and Communications Technology, 240.00 cr
Form of education	Studies leading to Bachelor's degree (Full Time)
Language of Instruction	English
Completed	173.00 cr
Average grade of completed courses	4.48
Weighted average grade of completed courses	4.43

<u>Studies</u>	<u>Credits</u>	<u>Grade</u>	<u>Date</u>
<b>LANGUAGES AND COMMUNICATION STUDIES</b>	<b>11.00</b>		
ZZPC0220 English for Working Life	4.00	4	23.5.2024
ZWPC0420 Communication Skills for Working Life	3.00	2	29.7.2024
ZWPC0820 Finnish 1	4.00	2	8.12.2023
<b>FUTURE FACTORY</b>	<b>12.00</b>		
ZZPP0740 JAMK InnoFlash	2.00	P	27.11.2023
ZZPP0920 Future Factory Project	10.00	P	28.4.2025
Project	8.00	P	28.4.2025
Sustainable Development	2.00	P	24.4.2025
<b>BASIC ENGINEERING MATHEMATICS AND PHYSICS</b>	<b>24.00</b>		
TZLM1300 Math1 Equations	3.00	5	19.12.2023
TZLM2300 Math2 Functions	3.00	5	3.3.2024
TZLM3300 Math3 Derivative and Integral	3.00	5	26.4.2024
TZLM4300 Math4 Discrete Mathematics	3.00	5	18.12.2024
TZLF1300 Phys1 Force and Motion	3.00	5	19.4.2024
TZLF2300 Phys2 Energy	3.00	5	11.10.2024
TZLF8010 Physics 3 - Electromagnetism and Waves	4.00	5	14.4.2025
TZLF8020 Physics 4 - Laboratory work	2.00	5	11.12.2024
<b>MATHEMATICS AND APPLYING OF NATURAL SCIENCES IN INFORMATION AND COMMUNICATION TECHNOLOGY</b>	<b>9.00</b>		
TZLM7020 Applied mathematics: Cryptology	3.00	P	16.12.2024
TZLM7030 Applied mathematics: Optimization and Network Models	3.00	P	7.3.2025
TZLM7050 Applied mathematics: Vectors and Matrices	3.00	P	5.3.2025
<b>SUPPORT STUDIES</b>	<b>6.00</b>		
TZMV0300 Preparatory Mathematics	3.00	P	14.10.2023
TZMV2100 Math2 Support	1.00	P	11.3.2024
TZMV3100 Math3 Support	1.00	P	19.4.2024
TTZW0410 Git -version control and Gitlab -project management environment	1.00	P	28.5.2024
<b>TIC, INFORMATION TECHNOLOGY</b>	<b>28.00</b>		
ZZPP0520 Development as an Expert	5.00		
Orientation Week	1.00	P	22.9.2023
Jamk as study environment	1.00	P	11.1.2024
Reporting		P	6.5.2024
Student Wellbeing	1.00	P	11.1.2024
PLPs	1.00		
Working Life Skills	1.00	P	6.5.2024
ZZPP0420 ICT Skills	3.00	P	4.12.2023
TTC1010 IT Service Platforms	3.00	5	3.12.2024
TTC1020 Cyber Security	4.00	5	2.5.2025
TTC1030 Data Networks	5.00	1	19.5.2024

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<u>Studies</u>	<u>Credits</u>	<u>Grade</u>	<u>Date</u>	
TTC1040 Linux Basics	5.00	5	30.11.2023	
TTC1050 Data Structures and Algorithms	3.00	5	18.4.2025	
TTC1060 Digital Technology and Hardware	5.00	3	23.4.2024	
<b>TIC, SOFTWARE ENGINEERING</b>	<b>31.00</b>			
TTC2010 Web Technologies	4.00	5	14.12.2023	
TTC2020 Databases	4.00	c	31.3.2023	
TTC2030 Basics of Programming	5.00	5	20.12.2023	
TTC2040 Introduction to IoT-systems	3.00	4	1.1.2025	
TTC2050 Introduction to Data Analytics and Artificial Intelligence	3.00	5	1.4.2025	
TTC2060 Basics of Scripting and Automatization	3.00	5	10.12.2024	
TTC2070 Project Management and Practices	4.00	P	9.12.2024	
TTC2080 Full Stack Programming	5.00	5	5.12.2024	
<b>APPLICATION DEVELOPMENT</b>	<b>10.00</b>			
TTC8420 Web User Interface Programming	5.00	5	13.10.2025	
TTC8440 Object-oriented Programming	5.00	5	10.12.2025	
<b>ELECTIVE STUDIES</b>	<b>10.00</b>			
<b>ELECTIVE PROFESSIONAL STUDIES</b>	<b>2.00</b>			
HB00CJ53 Ethics of AI	2.00	P	7.5.2025	
<b>Talent Boost: Integration into Finland</b>	<b>8.00</b>			
ZW00BS75 Integration into the Finnish Society	2.00	P	25.4.2024	
Creating Careers	1.00	h1	P	31.7.2024
BI00BB21 Finnish 2	5.00	3	15.5.2024	
ZZ00CK90 Entrepreneurship	3.00	P	9.12.2025	
<b>DATA-ANALYTICS AND ARTIFICIAL INTELLIGENCE</b>	<b>25.00</b>			
TTC8010 Computational algorithms	4.00	5	10.12.2025	
TTC8030 Data Preprocessing	4.00	5	18.2.2025	
TTC8020 Data-Analysis and Machine Learning Basics	4.00	4	30.4.2025	
TTC8040 Data Analysis and Visualization	4.00	5	31.3.2025	
TTC8060 Deep Learning	5.00	5	18.11.2025	
TTC8050 Machine Learning	4.00	5	7.10.2025	

**Recognition of Studies**

h1 = Creating Careers, 31.7.2024, University of Jyväskylä

**Copied accomplishments**

c = Completed in another Jamk University of Applied Sciences study entitlement

**REGULATIONS**

The studies are measured in credits (cr). A student's average study effort of 1,600 hours required for the completion of studies during one academic year corresponds to 60 credits. (Decree 1129/2014 § 3.) The Finnish credits are equivalent to the ECTS credits.

The Finnish grades are converted to ECTS grades as follows (ECTS grades in brackets): 5 (A), 4 (B), 3 (C), 2 (D), 1 (E), 0/fail (F or FX).

11.12.2025

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OID

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Electronic signature

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<https://www.jamk.fi/en/for-students/electronic-services/verification>.