

Student information

First names Samu Alpert Ilmari

Last name Syrjänen
Student number 015120085
Date of birth 18 Nov 2000

Study rights leading to a degree

BACHELOR'S PROGRAMME IN COMPUTER SCIENCE AND MASTER'S PROGRAMME (3 YEARS + 2 YEARS)

Education type Bachelor's and Master's Degree

Valid 1 Aug 2019-31 Jul 2027

Start date 1 Aug 2019

Completed degrees Bachelor of Science, 19 Dec 2023

Academic year registrations Autumn 2024, attending

Spring 2025, attending

Active phase Master's Degree (120 cr)

Degree programme Master's Programme in Data Science

Open university studies

OPEN UNIVERSITY STUDIES

Education type Open University studies

Courses Big Data Platforms, 3 Sep 2024-30 Dec 2024

Study right status Expired

OPEN UNIVERSITY STUDIES

Education type Open University studies

Courses Basics of statistics and R I, 17 Apr 2023-29 Nov 2023

Study right status Expired

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OPEN UNIVERSITY STUDIES

Education type Open University studies

Courses Full Stack Web Development, 13 Mar 2023-1 May 2024

Study right status Expired

OPEN UNIVERSITY STUDIES

Education type Open University studies

Courses Data Analysis with Python, 31 Oct 2022-31 Oct 2023

Study right status Expired

OPEN UNIVERSITY STUDIES

Education type Open University studies

Courses Written Skills in the Second National Language, Swedish (CEFR B1), 19 Mar

2022-21 Aug 2022

Study right status Expired

OPEN UNIVERSITY STUDIES

Education type Open University studies

Courses Oral Skills in the Second National Language, Swedish (CEFR B1), 19 Mar 2022-21

Aug 2022

Study right status Expired

OPEN UNIVERSITY STUDIES

Education type Open University studies

Courses Full Stack Web Development, 15 Mar 2022-10 Mar 2023

Study right status Expired

OPEN UNIVERSITY STUDIES

Education type Open University studies

Courses Cyber Security Base: Introduction to Cyber Security, 1 Feb 2022-30 Jan 2023

Study right status Expired



OPEN UNIVERSITY STUDIES

Education type Open University studies

Courses Cyber Security Base: Securing Software, 1 Feb 2022-30 Jan 2023

Study right status Expired

OPEN UNIVERSITY STUDIES

Education type Open University studies

Courses Cyber Security Base: Course Project I, 1 Feb 2022-30 Jan 2023

Study right status Expired

OPEN UNIVERSITY STUDIES

Education type Open University studies

Courses Computing Tools for CS Studies, 6 Sep 2021-19 Jan 2022

Study right status Expired

OPEN UNIVERSITY STUDIES

Education type Open University studies

Courses Open uni: Advanced Course in Programming, 6 Mar 2021-3 Feb 2022

Study right status Expired

OPEN UNIVERSITY STUDIES

Education type Open University studies

Courses Open uni: Introduction to Programming, 11 Jan 2021-3 Feb 2022

Study right status Expired



Degrees

Course name and code	Scope	Lang	Grade	Date
BACHELOR'S PROGRAMME IN COMPUTER SCIENCE (KH50_005)	194 cr		Pass	19 Dec 2023
COMPUTER SCIENCE, BASIC STUDIES (TKT1)	25 cr		5	6 Mar 2022
Open uni: Introduction to Programming (AYTKT10002)	5 cr	fi	5	29 Oct 2021
Open uni: Advanced Course in Programming (AYTKT10003)	5 cr	fi	5	16 Dec 2021
Introduction to Databases (TKT10004)	5 cr	fi	5	6 Mar 2022
Introduction to Computer Science (TKT10001)	5 cr	fi	5	23 Dec 2021
Computer Organization I (TKT10005)	5 cr	fi	4	21 Dec 2021
COMPUTER SCIENCE, INTERMEDIATE STUDIES (TKT2)	65 cr		4	8 Dec 2023
Software Development Methods (TKT20002)	5 cr	fi	4	12 May 2022
Operating Systems (TKT20003)	5 cr	en	5	7 Mar 2023
Models of Computation (TKT20005)	5 cr	fi	3	27 Oct 2022
Software Engineering (TKT20006)	6 cr	fi	4	23 Dec 2022
Software Engineering Lab (TKT20007)	10 cr	fi	4	12 May 2023
Bachelor's Thesis (TKT20013)	6 cr	fi	3	8 Dec 2023
Maturity Test in BSc (TKT20014)	0 cr	fi	Pass	8 Dec 2023
Cyber Security Base: Introduction to Cyber Security (TKT200091)	1 cr	en	Pass	7 Nov 2022
Cyber Security Base: Securing Software (TKT200092)	3 cr	en	Pass	2 Dec 2022
Cyber Security Base: Course Project I (TKT200093)	1 cr	en	Pass	19 Jan 2023
Data Structures Project (TKT20010)	4 cr	fi	5	23 Jun 2023
Intermediate Studies Project: Database Application (TKT20011)	4 cr	fi	5	8 May 2022
Data Structures and Algorithms I (TKT200011)	5 cr	fi	5	10 Mar 2022
Data Structures and Algorithms II (TKT200012)	5 cr	fi	2	10 May 2022
Introduction to Networking (TKT20004)	5 cr	fi	4	5 May 2023



Course name and code	Scope	Lang	Grade	Date
MATHEMATICS (COMPUTER SCIENCE), BASIC STUDIES (MAT111)	25 cr		3	1 Mar 2023
Introduction to University mathematics (MAT11001)	5 cr	fi	5	22 Oct 2021
Limits (MAT11003)	5 cr	fi	2	21 Oct 2022
Linear algebra and matrices I (MAT11002)	5 cr	fi	3	17 Dec 2021
Linear algebra and matrices II (MAT21001)	5 cr	fi	1	31 Mar 2022
Probability I (MAT12003)	5 cr	fi	3	1 Mar 2023
PHYSICS, BASIC STUDIES (FYS1100)	25 cr		3	27 May 2020
Interactions and Bodies (FYS1001)	5 cr	fi	2	23 Oct 2019
Matter and Interactions (FYS1002)	5 cr	fi	4	18 Dec 2019
Electromagnetism (FYS1003)	5 cr	fi	5	3 Mar 2020
Radiation Fields and Photons (FYS1004)	5 cr	fi	2	5 May 2020
Laboratory Exercises in Basic Studies of Physics (FYS1005)	5 cr	fi	4	27 May 2020
MATHEMATICAL AND COMPUTATIONAL METHODS, STUDY MODULE (FYS1300)	25 cr		4	7 May 2020
Mathematics for Physicists I (FYS1010)	5 cr	fi	3	21 Oct 2019
Mathematics for Physicists II (FYS1011)	5 cr	fi	5	17 Dec 2019
Mathematics for Physicists III (FYS1012)	5 cr	fi	4	5 Mar 2020
Scientific Computing I (FYS1013)	5 cr	fi	5	18 Dec 2019
Statistical Analysis of Observations (FYS1014)	5 cr	fi	3	7 May 2020
OTHER STUDIES (TKT-yht)	29 cr		Pass	12 Dec 2023
First Language Communication (TKT50001)	3 cr	fi	Pass	8 Dec 2023
Written Skills in the Second National Language, Swedish (CEFR B1) (KK-RUKIRJ)	1 cr	SV	G	9 Jun 2022
Oral Skills in the Second National Language, Swedish (CEFR B1) (KK-RUMALU)	2 cr	SV	SAT	6 Jun 2022
Academic and Professional Communication in English 1 & 2 (CEFR B2) (KK-ENKAIKKI)	4 cr	en	Pass	30 Dec 2021
Computing Tools for CS Studies (TKT500031)	1 cr	fi	5	21 Oct 2021

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Course name and code	Scope	Lang	Grade	Date
Student's digital skills (Kumpula) (DIGI-100)	3 cr	fi	Pass	28 Jan 2020
Course consists of the following parts: DIGI-100A, Student's digital skills: orientation (Kumpula), 2 cr, lang: Finnish, grade: Pass, 1.9.2019 MAT20004, Latex Course, 1 cr, lang: Finnish, grade: Pass, 28.1.2020				
Research Data Retrieval (TKT50002)	1 cr	fi	Pass	8 Dec 2023
Academic Skills (TKT50004)	1 cr	fi	Pass	12 Dec 2023
Basics of statistics and R I (MAT12001)	5 cr	fi	5	3 Sep 2023
Working Life Skills I - Problem Solving Skills in a Group (FYS4002)	1 cr	fi	Pass	22 May 2020
Version Control (TKT21015)	1 cr	fi	Pass	23 Dec 2022
Fysikaalisiin tieteisiin perehtyminen (FYS4001)	3 cr	fi	Pass	31 Jan 2020
Opiskelutaidot I (FYS4004)	1 cr	fi	Pass	29 May 2020
Academic and Professional Communication in English 1 (CEFR B2) (KK-ENMALU1)	2 cr	en	Pass	28 Feb 2020

Study modules

Course name and code Scope Lang Grade Date

No completed credits

Courses

Course name and code	Scope	Lang	Grade	Date
Data Science Study Skills (DATA11102)	3 cr	en	Pass	14 Dec 2024
Academic Writing 1: Principles and Practice (Master's Students) (CEFR C1) (KK-ENG501)	2 cr	en	Pass	13 Dec 2024
Big Data Platforms (DATA14003)	5 cr	en	4	18 Nov 2024
Software Architectures (CSM14101)	5 cr	en	5	23 Oct 2024
Advanced Work Experience (DATA10005)	5 cr	en	Pass	30 Aug 2024
Data Science Project (DATA11004)	5 cr	en	5	15 May 2024

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Course name and code	Scope	Lang	Grade	Date
Data Warehousing and Business Intelligence (CSM14305)	5 cr	en	4	3 May 2024
Advanced Course in Machine Learning (DATA12001)	5 cr	en	1	23 Apr 2024
Network Analysis (DATA16001)	5 cr	en	3	29 Feb 2024
Engineering of Machine Learning Systems (DATA11008)	5 cr	en	4	31 Dec 2023
Introduction to Machine Learning (DATA11002)	5 cr	en	4	23 Dec 2023
Introduction to Data Science (DATA11001)	5 cr	en	4	30 Oct 2023
Statistics for Data Science (DATA11007)	5 cr	en	2	26 Oct 2023
Data Analysis with Python (CSM90004)	5 cr	en	5	28 Aug 2023
Full Stack Web Development (CSM141081)	5 cr	fi	2	21 Jan 2023
Leadership Training (DATA80002) *	5 cr	fi	Pass	18 Dec 2020
Fundamentals of Theory of Relativity (FYS2004)	5 cr	fi	2	6 May 2020

Partially completed courses

Course name and code	Scope Lang	Grade	Date
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No completed credits

Grade average 3,75

Total course credits 274 cr

The degree includes studies completed elsewhere with a total of 5 cr



GRADING SCALES AND DESCRIPTIONS FOR COMPLETED STUDIES

The scope of studies is measured in ECTS credits (cr). The average workload of 1 600 hours needed to complete one academic year of studies corresponds to 60 credits.

The average grade of study attainments is calculated from courses which have been graded on a scale from 0 to 5 (fail-excellent) and which the student has passed. The average grade is weighted according to the courses' scopes in credits.

* Studies completed elsewhere

Language of study

Finnish 190 cr Swedish 3 cr English 81 cr

Language of study: fi (Finnish), sv (Swedish), en (English). The language of study is not defined for all completed studies.

Grading scale for completed studies

5 (excellent), 4 (very good), 3 (good), 2 (satisfactory), 1 (passable), 0 (fail) Pass (Pass), Fail (Fail)

Grading scale for the second national language

G (Good), SAT (Satisfactory), Fail (Fail)

Grading scales for theses

5 (excellent), 4 (very good), 3 (good), 2 (satisfactory), 1 (passable), 0 (fail)

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