Student Jingjing Yang 01.08.2021–31.07.2025

Date of birth 03.08.1991 Studies continue

Student number 2104210 Credits 240 cr

Programme Bachelor's Degree Programme in Software Engineering Completed 242 cr

Studies	Credits	Assessment	Date
Engineering Mathematics and Science	25 cr		
Mechanics and Thermophysics	5 cr	5	17.12.2021
Electromagnetism, Waves and Atomic Physics	5 cr	5	18.12.2021
Physics Laboratory Works	3 cr	5	09.05.2022
Basics of Measuring and Reporting in ICT	2 cr	5	18.02.2022
Engineering	2 61	3	10.02.2022
Mathematics 1	5 cr	5	09.01.2022
Mathematics 2	5 cr	5	02.05.2022
		-	
ICT Engineering	35 cr		
Embedded Systems	10 cr	4	10.05.2022
Embedded Projects 1	5 cr	5	13.01.2023
Embedded Projects 2	5 cr	5	10.05.2023
Network Technologies	5 cr	5	02.01.2023
Server Technologies	10 cr	5	31.05.2023
Č			
Communication and Language Studies	12 cr		
Orientation to ICT Engineering Studies	3 cr	5	14.10.2021
English for ICT Engineering Students	3 cr	5	12.01.2022
Language Studies	6 cr		
Finnish I / Swedish I	3 cr	<i>s1</i> 4	20.09.2021
Finnish II / Swedish II	3 cr	s2 4	20.09.2021
Software Engineering	110 cr		
Programming Languages	15 cr		
Programming Languages 1	5 cr	5	07.01.2022
Programming Languages 2	5 cr	5	16.05.2022
Programming Languages 3	5 cr	5	14.12.2022
Device Oriented Programming	15 cr		
Mobile App Development 1	5 cr	5	29.05.2023
Mobile App Development 2	5 cr	5	09.01.2024
Operating System Concepts and Linux	5 cr	5	26.04.2024
System Programming			
Software Architectures and Engineering	10 cr		
Software Architectures and Design	5 cr	5	21.12.2023
Software Implementation and Testing	5 cr	5	08.04.2024
Data Analytics and Machine Learning	20 cr		
Data Systems and Analysis	5 cr	5	12.12.2022
Data Analysis and Visualization	7 cr	5	28.04.2023
AI and Machine Learning	8 cr	4	17.12.2023
Web Development	25 cr		
Basics of Web Development	5 cr	5	26.05.2022
Web Software Production	5 cr	5	13.01.2023
Full Stack Web Development	10 cr	5	19.01.2024
5 = Excellent A = Very Good 3 = Good 2 = Satisfactory	1 - Sufficion	t 0 - Foil C - I	Dogg

Student	Jingjing Yang			
Student number	2104210			
API Service Developm	nent	5 cr	5	22.11.2024
Graphical User Interfac		10 cr	3	22.11.2024
Software Requirement		5 cr	5	18.12.2023
Prototyping	is and Application	<i>3</i> C1	3	16.12.2023
Graphical User Interfa	ices	5 cr	5	16.05.2024
Software Projects		15 cr		
Software Project		5 cr	5	11.12.2024
Professional Software	Development	10 cr	5	21.05.2024
Practical Training		30 cr		
Practical Training 1		6 cr <i>k1</i>	S	20.09.2021
Practical Training 2		12 cr	S	15.10.2024
Practical Training 3		12 cr	S	15.10.2024
Free-Choice Studies (MAX	15 ECTS)	15 cr		
English in Global Context		3 cr <i>s3</i>	5	20.09.2021
Organizational Communic		4 cr s4	5	20.09.2021
Negotiations		2 cr s5	4	20.09.2021
Research Writing Skills		3 cr s6	5	20.09.2021
Business Mathematics		3 cr s7	5	20.09.2021
External studies (not placed	N	15 cr		
Thesis Plan	· <i>)</i>	5 cr	5	07.04.2025
Implementing Thesis		5 cr	5	07.04.2025
Reporting Thesis		5 cr	<i>5</i>	15.05.2025
Reporting Thesis		3 Cf	J	13.03.2023

Bachelor's Thesis Title: Development of Non-Invasive Glucose Monitoring System Integration of Spectroscopy, IoT, and Machine Learning for Real-Time Heath Insight

Assessment: 5

Assessment date: 14.5.2025

Compensated studies

k1 = Previous Higher Education Studies, 26.10.2020, HAMK University of Applied Sciences

Inclusions

- s1 = 3.12.2017, HAMK University of Applied Sciences
- s2 = 6.4.2018, HAMK University of Applied Sciences
- s3 = 30.12.2017, HAMK University of Applied Sciences
- s4 = 19.4.2018, HAMK University of Applied Sciences
- s5 = 22.5.2018, HAMK University of Applied Sciences
- s6 = 20.12.2019, HAMK University of Applied Sciences
- s7 = 7.11.2017, HAMK University of Applied Sciences

Tampereen ammattikorkeakoulu Tampere University of Applied Sciences

Transcript of Records 15.5.2025

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Student Jingjing Yang Student number 2104210

Electronic signature

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Opiskelija	Jingjing Yang	01.08.2021-31.07.2025	
Syntymäaika	03.08.1991	Opinnot jatkuvat	
Opiskelijanumero	2104210	Laajuus	240 op
Ohjelma	Bachelor's Degree Programme in Software	Suoritettu	242 op
	Engineering		

Engineering Mathematics and Science Mechanics and Thermophysics Electromagnetism, Waves and Atomic Physics Sop 5 op 5 17.12.2021 18.12.2021	
Mechanics and Thermophysics5 op517.12.2021Electromagnetism, Waves and Atomic Physics5 op518.12.2021	
Electromagnetism, Waves and Atomic Physics 5 op 5 18.12.2021	
Physics Laboratory Works 3 op 5 09.05.2022	
Basics of Measuring and Reporting in ICT 2 op 5 18.02.2022	
Engineering	
Mathematics 1 5 op 5 09.01.2022	
Mathematics 2 5 op 5 02.05.2022	
ICT Engineering 35 op	
Embedded Systems 10 op 4 10.05.2022	
Embedded Projects 1 5 op 5 13.01.2023	
Embedded Projects 2 5 op 5 10.05.2023	
Network Technologies 5 op 5 02.01.2023	
Server Technologies 10 op 5 31.05.2023	
Communication and Language Studies 12 op	
Orientation to ICT Engineering Studies 3 op 5 14.10.2021	
English for ICT Engineering Students 3 op 5 12.01.2022	
Language Studies 6 op	
Finnish I / Swedish I 3 op s1 4 20.09.2021	
Finnish II / Swedish II 3 op <i>s2</i> 4 20.09.2021	
Software Engineering 110 op	
Programming Languages 15 op	
Programming Languages 1 5 op 5 07.01.2022	
Programming Languages 2 5 op 5 16.05.2022	
Programming Languages 3 5 op 5 14.12.2022	
Device Oriented Programming 15 op	
Mobile App Development 1 5 op 5 29.05.2023	
Mobile App Development 2 5 op 5 09.01.2024	
Operating System Concepts and Linux 5 op 5 26.04.2024	
System Programming	
Software Architectures and Engineering 10 op	
Software Architectures and Design 5 op 5 21.12.2023	
Software Implementation and Testing 5 op 5 08.04.2024	
Data Analytics and Machine Learning 20 op	
Data Systems and Analysis 5 op 5 12.12.2022	
Data Analysis and Visualization 7 op 5 28.04.2023	
AI and Machine Learning 8 op 4 17.12.2023	
Web Development 25 op	
Basics of Web Development 5 op 5 26.05.2022	
Web Software Production 5 op 5 13.01.2023	
Full Stack Web Development 10 op 5 19.01.2024	

^{5 =} kiitettävä, 4 = erittäin hyvä, 3 = hyvä, 2 = tyydyttävä, 1 = välttävä, 0 = hylätty, S = suoritus hyväksytty

Opiskelija	Jingjing Yang				
Opiskelijanumero	2104210				
API Service Development		5 op		5	22.11.2024
Graphical User Interfac		10 op			
Software Requiremen Prototyping	•	5 op		5	18.12.2023
Graphical User Interfa	aces	5 op		5	16.05.2024
Software Projects	ices	15 op		3	10.03.2024
Software Project		5 op		5	11.12.2024
Professional Software	Development	10 op		5	21.05.2024
	•	•			
Practical Training		30 op			
Practical Training 1		6 op	<i>k1</i>	S	20.09.2021
Practical Training 2		12 op		S	15.10.2024
Practical Training 3		12 op		S	15.10.2024
Free-Choice Studies (MAX	15 ECTS)	15 op			
English in Global Contex	t	3 op	s3	5	20.09.2021
Organizational Communi	cation	4 op	s4	5	20.09.2021
Negotiations		2 op	s5	4	20.09.2021
Research Writing Skills		3 op	s6	5	20.09.2021
Business Mathematics		3 op	s7	5	20.09.2021
Hopsin ulkopuoliset opinno	t (sijoittamattomat)	15 op			
Opinnäytetyön suunnittel	, •	5 op		5	07.04.2025
Opinnäytetyön toteutus		5 op		5	07.04.2025
Opinnäytetyön raportoint	i	5 op		5	15.05.2025

Opinnäytetyö: Ei-invasiivinen glukoosimittari

Arviointi: 5

Arviointipäivämäärä: 14.5.2025

Korvaavat suoritukset

k1 = Aiemmat korkeakouluopinnot, 26.10.2020, Hämeen ammattikorkeakoulu

Sisältyvyydet

s1 = 3.12.2017, Hämeen ammattikorkeakoulu

s2 = 6.4.2018, Hämeen ammattikorkeakoulu

s3 = 30.12.2017, Hämeen ammattikorkeakoulu

s4 = 19.4.2018, Hämeen ammattikorkeakoulu

s5 = 22.5.2018, Hämeen ammattikorkeakoulu

s6 = 20.12.2019, Hämeen ammattikorkeakoulu

s7 = 7.11.2017, Hämeen ammattikorkeakoulu

Opintosuoritusote 15.5.2025

Opiskelija Jingjing Yang Opiskelijanumero 2104210

Sähköinen allekirjoitus

Tämä dokumentti on sähköisesti allekirjoitettu 15.5.2025 kello 10.59 käyttäen Digi- ja väestötietoviraston varmennetta. Lisätietoja dokumentin aitouden varmistamisesta on Tampereen ammattikorkeakoulun internetsivuilla www.tuni.fi/esignature

Student Jingjing Yang 28.08.2017—18.12.2020

Personal identity code 030891-280W Graduated
Student number 1702523 Credits

Student number 1702523 Credits 210 cr
Programme Degree Programme in International Business Completed 210 cr

Studies	Credits	Assessment	Date
Core Competence	150 cr		
Business Essentials	15 cr	5	03.11.2017
Study and Working Life	3 cr	HYV	31.12.2017
IT Skills	3 cr	4	22.11.2017
Business Mathematics	3 cr	5	07.11.2017
Business and Legal	3 cr	5	29.11.2017
Environmental			
Finnish I / Swedish I	3 cr	4	03.12.2017
Global Markets	15 cr	5	30.12.2017
Principles of Economics	3 cr	3	30.12.2017
Globalization and International Trade	3 cr	5	26.12.2017
Principles of Marketing	3 cr	5	30.12.2017
English in Global Context	3 cr	5	30.12.2017
Digital Co-Operation	3 cr	HYV	21.12.2017
Operational Environment	15 cr	4	18.05.2018
Finnish II / Swedish II	3 cr	4	06.04.2018
Argumentation	4 cr	3	15.03.2018
Organizational Communication	4 cr	5	19.04.2018
Principles of Accounting	4 cr	4	06.04.2018
Innovation and Entrepreneurship	15 cr	4	07.06.2018
Innovation and Business Opportunities	5 cr	4	21.05.2018
Business Planning Process	5 cr	4	23.05.2018
Legal Environment of an	3 cr	5	07.06.2018
Entrepreneur			
Negotiations	2 cr	4	22.05.2018
Project SISU	30 cr	4	15.04.2019
Operations Project	9 cr	4	21.12.2018
Project Management	3 cr	4	21.12.2018
Digital Project Management	3 cr	HYV	21.12.2018
Communication in Project SISU	3 cr	4	21.12.2018
Cross Cultural Communication	3 cr	4	09.01.2019
Organizational Behavior	3 cr	4	04.02.2019
Management Accounting	3 cr	5	08.01.2019
Professional Skills	3 cr	5	21.12.2018
Research and Development	12 cr	5	16.02.2020
Introduction to Research and	3 cr	HYV	28.09.2019
Development			
Research Writing Skills	3 cr	5	20.12.2019
Research Project	6 cr	5	16.02.2020
Statistical Software in Business	2 cr s	1 HYV	28.03.2019
Innovative Service Management	6 cr	5	16.02.2020
Circular Economy	3 cr	5	31,12,2019
5 = Excellent, 4 = Good, 3 = Good, 2 = Satisfactory, 1	- Satisfactori LIV	(I = FAI HAVE	
3 - Excellent, $4 = Good$, $3 = Good$, $2 = Satisfactory$, 1	- Julistaciory, IT	HAMEEN AM	MATTIKORKEAKOUL

Student	Jingjing Yang				
Student number	1702523				
Circular Supply Chain		3 cr		5	31.12.2019
International Sales	•	5 cr	s2	HYV	10.05.2019
Internet Business M	_	5 cr	s3	1	26.08.2019
Work Placement 1		15 cr		HYV	31.07.2019
Work Placement 2		13,5 cr		HYV	31.07.2020
Work Placement		1,5 cr		HYV	26.10.2020
Profiling competence		45 cr			
Corporate Social R	esponsibility	10 cr		3	31.12.2019
(Beyond)					
Strategic Co.	rporate Social	4 cr		3	31.12.2019
Responsibilit				_	
	ocial Responsibility	3 cr		3	31.12.2019
Managemen		_		•	01 10 0010
	Consumption	3 cr		3	31.12.2019
Strategic Corporate	e Social	4 cr		4	29.03.2019
Responsibility		•			04040010
Sustainable Leader	•	3 cr		4	04.06.2018
Strategic Managen		15 cr		4	26.05.2020
Concepts an		10 cr		4	23.04.2020
Strategic Thi	_	_			
Project Work		5 cr		4	26.05.2020
Professional Skills		13 cr			
Purchasing		5 cr	s4	5	21.08.2020
Advanced Finar	nce	5 cr	s5	HYV	16.05.2019
Academic Writi	ng	3 cr	s6	HYV	14.05.2019
Final Thesis		15 cr			
Final Thesis		15 cr		4	19.11.2020

Bachelor's Thesis Strengthening the Competitiveness for Education Export Company-based on competitor Title: analysis, Case: Nedu Group Oy

Assessment: 4

Assessment date: 19.11.2020

Inclusions

- s1 = Statistical Software in Business, 28.3.2019, Kajaani University of Applied Sciences
- s2 = International Sales Management, 10.5.2019, Savonia University of Applied Sciences
- s3 = Internet Business Models, 26.8.2019, Laurea University of Applied Sciences
- s4 = Purchasing, 21.8.2020, JAMK University of Applied Sciences
- s5 = Advanced Finance, 16.5.2019, Savonia University of Applied Sciences
- s6 = Academic Writing, 14.5.2019, Saimaa University of Applied Sciences

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5 = Excellent, 4 = Good, 3 = Good, 2 = Satisfactory, 1 = Satisfactory, HYL = Fail, HYV = Approved, V = exempt

Student

Jingjing Yang

Student number

1702523

The degree was completed in English.

The graduate submitted the proof of maturity included in the Bachelor's thesis in English.

The graduate has gained such oral and written skills in the obligatory English language required by the degree programme that are necessary for practising the profession and for further professional development (Decree 1129/2014, Section 7).

Hämeenlinna 18.12.2020