

Student	Jingjing Yang	01.08.2021–31.07.2025	
Date of birth	03.08.1991	Studies continue	
Student number	2104210	Credits	<b>240 cr</b>
Programme	Bachelor's Degree Programme in Software Engineering	Completed	<b>183 cr</b>

Studies	Credits	Assessment	Date	
<b>Engineering Mathematics and Science</b>	<b>25 cr</b>			
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 Engineering	2 cr	5	18.02.2022	
Mathematics 1	5 cr	5	09.01.2022	
Mathematics 2	5 cr	5	02.05.2022	
<b>ICT Engineering</b>	<b>35 cr</b>			
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	
<b>Communication and Language Studies</b>	<b>12 cr</b>			
Orientation to ICT Engineering Studies	3 cr	5	14.10.2021	
English for ICT Engineering Students	3 cr	5	12.01.2022	
<b>Language Studies</b>	<b>6 cr</b>			
Finnish I / Swedish I	3 cr	s1	4	20.09.2021
Finnish II / Swedish II	3 cr	s2	4	20.09.2021
<b>Software Engineering</b>	<b>90 cr</b>			
<b>Programming Languages</b>	<b>15 cr</b>			
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	
<b>Device Oriented Programming</b>	<b>15 cr</b>			
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 System Programming	5 cr	5	26.04.2024	
<b>Software Architectures and Engineering</b>	<b>10 cr</b>			
Software Architectures and Design	5 cr	5	21.12.2023	
Software Implementation and Testing	5 cr	5	08.04.2024	
<b>Data Analytics and Machine Learning</b>	<b>20 cr</b>			
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	
<b>Web Development</b>	<b>20 cr</b>			
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	
<b>Graphical User Interfaces and Usability</b>	<b>10 cr</b>			
Software Requirements and Application Prototyping	5 cr	5	18.12.2023	
Graphical User Interfaces	5 cr	5	16.05.2024	

Student Jingjing Yang  
Student number 2104210

<b>Practical Training</b>	<b>6 cr</b>			
Practical Training 1	6 cr	<i>k1</i>	S	20.09.2021
<b>Free-Choice Studies (MAX 15 ECTS)</b>	<b>15 cr</b>			
English in Global Context	3 cr	<i>s3</i>	5	20.09.2021
Organizational Communication	4 cr	<i>s4</i>	5	20.09.2021
Negotiations	2 cr	<i>s5</i>	4	20.09.2021
Research Writing Skills	3 cr	<i>s6</i>	5	20.09.2021
Business Mathematics	3 cr	<i>s7</i>	5	20.09.2021

**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

---

Student	Jingjing Yang
Student number	2104210

---

Electronic signature

This document is electronically signed 16.5.2024 at 14:14 using the certificate of the Digital and Population Data Services Agency. Further information on verifying the authenticity of documents can be found on Tampere University of Applied Sciences' website at [www.tuni.fi/esignature/en](http://www.tuni.fi/esignature/en)