



Student	Jin in Yang	01.08.2021–31.07.2025
		Studies continue
Programme	Bachelor's Degree Programme in Software Engineering	Credits <b>240 cr</b> Completed <b>153 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	<i>s1</i>	4	20.09.2021
Finnish II / Swedish II	3 cr	<i>s2</i>	4	20.09.2021
<b>Software Engineering</b>	<b>60 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>5 cr</b>			
Mobile App Development 1	5 cr	5	29.05.2023	
<b>Software Architectures and Engineering</b>	<b>5 cr</b>			
Software Architectures and Design	5 cr	5	21.12.2023	
<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>10 cr</b>			
Basics of Web Development	5 cr	5	26.05.2022	
Web Software Production	5 cr	5	13.01.2023	
<b>Graphical User Interfaces and Usability</b>	<b>5 cr</b>			
Software Requirements and Application Prototyping	5 cr	5	18.12.2023	
<b>Practical Training</b>	<b>6 cr</b>			
Practical Training 1	6 cr	<i>k1</i>	S	20.09.2021

**Free-Choice Studies (MAX 15 ECTS)**

**15 cr**

5 = Excellent, 4 = Very Good, 3 = Good, 2 = Satisfactory, 1 = Sufficient, 0 = Fail, S = Pass

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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

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