

Opiskelija	Quang Dat Phi	Laajuus	<b>240 op</b>
Opiskelijanumero	2401782	Suoritettu	<b>164 op</b>
Ohjelma	Information Technology		
Suunta			

<b>Opinnöt</b>	<b>Laajuus</b>	<b>Arviointi</b>	<b>Pvm</b>
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### **BASIC STUDIES**

#### **General Engineering Competencies**

Introduction to Energy Engineering Studies	5 op	HYV	30.05.2024
Finnish Culture and Society	2 op	HYV	07.05.2024

#### **Languages and Thesis Process**

Finnish for Foreigners 1	5 op	5	24.05.2024
Finnish for Foreigners 2	5 op	<i>s1</i>	HYV 07.09.2024
Finnish as a Foreign Language 2a	2 op	<i>s2</i>	HYV 21.02.2025
Oral and Written Communication in English	5 op	4	17.12.2024

#### **Mathematics and Natural Sciences**

Introduction to Technical Mathematics	5 op	5	22.04.2024
Engineering Physics 1	5 op	<i>s3</i>	HYV 04.09.2024
Engineering Mathematics 2	5 op	<i>s4</i>	HYV 04.09.2024
Engineering Physics 2	5 op	<i>s5</i>	5 21.08.2024

#### **Basics of ICT**

Cyber Security	3 op	5	05.05.2025
Operating Systems and Domain Services	5 op	5	11.01.2025
Linux Operating System	4 op	5	05.05.2025
Fieldbuses and Internet	3 op	5	02.09.2025
Basics of Information Security	6 op	HYV	29.12.2024

#### **Basics of Programming**

Johdatus ohjelmointiin	5 op	<i>s6</i>	5 09.07.2024
C Programming	5 op	<i>k1</i>	5 10.09.2025
Object Oriented Programming	5 op		5 03.02.2025
Front-end Development (Software Eng.)	5 op		5 07.02.2025

#### **Basics of Application Development**

Application Development	4 op	5	16.12.2025
Agile Software Development	3 op	5	14.04.2025
SQL ja relaatiotietokannat	5 op	HYV	23.12.2024
Online Environment Tools (Software Engineering)	5 op		5 10.05.2025
Quality Assurance in Software Engineering	10 op	<i>s7</i>	HYV 31.01.2025
Socket Programming	3 op		4 09.04.2025

#### **Basics of Embedded Systems**

Electronics	5 op	5	06.12.2025
Basics of Embedded Systems	5 op		5 08.05.2025

#### **Basics of Data Networks**

Principles of Telecommunications	5 op		5 13.03.2025
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### **ADVANCED SPECIAL STUDIES**

#### **Smart Solutions**

Software Engineering Methods	5 op	5	16.05.2025
Mobile Application Development	5 op	<i>s8</i>	5 16.06.2025

#### **Cloud Services**

**15 op**

**10 op**

**5 op**

**5 op**

Opiskelija Quang Dat Phi  
Opiskelijanumero 2401782

Insights in Software Engineering 5 op HYV 25.04.2025

#### OPTIONAL STUDIES

Basics of Mechanical Engineering	<b>10 op</b>	5 op	5	26.05.2024
Introduction to Project Work		5 op	5	09.05.2024

#### Hopsin ulkopuolistet opinnot

Communication in English	<b>9 op</b>	3 op	3	01.06.2024
Follow-up Course in Technical Mathematics		5 op	5	06.01.2025
VaasaHack		1 op	HYV	14.04.2025

#### Korvaavat suorituksset

k1 = Basic Course in C Programming, 29.8.2025, Aalto-yliopisto

#### Sisältyvyydet

s1 = Finnish for Foreigners 2, 30.8.2024, Metropolia Ammattikorkeakoulu

s2 = Finnish as a Foreign Language 2a, 29.11.2024, Vaasan yliopisto

s3 = Engineering Physics 1, 4.4.2024, Metropolia Ammattikorkeakoulu

s4 = Engineering Mathematics 2, 26.3.2024, Metropolia Ammattikorkeakoulu

s5 = Engineering Physics 2, 21.5.2024, Metropolia Ammattikorkeakoulu

s6 = Johdatus ohjelmointiin, 2.4.2024, Oulun ammattikorkeakoulu

s7 = Quality Assurance in Software Engineering, 28.12.2024, Metropolia Ammattikorkeakoulu

s8 = Mobile Application Development, 13.6.2025, Vaasan yliopisto

Student	Quang Dat Phi	Credits	<b>240 cr</b>
Student number	2401782	Completed	<b>164 cr</b>
Programme	Information Technology		
Specialisation			

Studies		Credits	Assessment	Date
<b>BASIC STUDIES</b>				
<b>General Engineering Competencies</b>				
Introduction to Energy Engineering Studies		<b>130 cr</b>		
Finnish Culture and Society	5 cr	7 cr	HYV	30.05.2024
	2 cr		HYV	07.05.2024
<b>Languages and Thesis Process</b>				
Finnish for Foreigners 1	5 cr	5 cr		24.05.2024
Finnish for Foreigners 2	5 cr	s1	HYV	07.09.2024
Finnish as a Foreign Language 2a	2 cr	s2	HYV	21.02.2025
Oral and Written Communication in English	5 cr		4	17.12.2024
<b>Mathematics and Natural Sciences</b>				
Introduction to Technical Mathematics	5 cr	5 cr		22.04.2024
Engineering Physics 1	5 cr	s3	HYV	04.09.2024
Engineering Mathematics 2	5 cr	s4	HYV	04.09.2024
Engineering Physics 2	5 cr	s5	5	21.08.2024
<b>Basics of ICT</b>				
Cyber Security	3 cr	5 cr		05.05.2025
Operating Systems and Domain Services	5 cr	5 cr		11.01.2025
Linux Operating System	4 cr	5 cr		05.05.2025
Fieldbuses and Internet	3 cr	5 cr		02.09.2025
Basics of Information Security	6 cr		HYV	29.12.2024
<b>Basics of Programming</b>				
Introduction to Programming	5 cr	s6	5	09.07.2024
C Programming	5 cr	k1	5	10.09.2025
Object Oriented Programming	5 cr		5	03.02.2025
Front-end Development	5 cr		5	07.02.2025
<b>Basics of Application Development</b>				
Application Development	4 cr	5 cr		16.12.2025
Agile Software Development	3 cr	5 cr		14.04.2025
SQL and Relation Databases	5 cr		HYV	23.12.2024
Online Environment Tools (Software Engineering)	5 cr		5	10.05.2025
Quality Assurance in Software Engineering	10 cr	s7	HYV	31.01.2025
Socket Programming	3 cr		4	09.04.2025
<b>Basics of Embedded Systems</b>				
Electronics	5 cr	5 cr		06.12.2025
Basics of Embedded Systems	5 cr	5 cr		08.05.2025
<b>Basics of Data Networks</b>				
Principles of Telecommunications	5 cr		5	13.03.2025
<b>ADVANCED SPECIAL STUDIES</b>				
<b>Smart Solutions</b>				
Software Engineering Methods	5 cr	5 cr		16.05.2025
Mobile Application Development	5 cr	s8	5	16.06.2025
<b>Cloud Services</b>				
		5 cr		

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Student	Quang Dat Phi			
Student number	2401782			

Insights in Software Engineering	5 cr	HYV	25.04.2025
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#### OPTIONAL STUDIES

Basics of Mechanical Engineering	<b>10 cr</b>	5 cr	5	26.05.2024
Introduction to Project Work		5 cr	5	09.05.2024

#### External studies

Communication in English	<b>9 cr</b>	3 cr	3	01.06.2024
Follow-up Course in Technical Mathematics		5 cr	5	06.01.2025
VaasaHack		1 cr	HYV	14.04.2025

#### Compensated studies

k1 = Basic Course in C Programming, 29.8.2025, Aalto University

#### Inclusions

s1 = Finnish for Foreigners 2, 30.8.2024, Metropolia University of Applied Sciences

s2 = Finnish as a Foreign Language 2a, 29.11.2024, University of Vaasa

s3 = Engineering Physics 1, 4.4.2024, Metropolia University of Applied Sciences

s4 = Engineering Mathematics 2, 26.3.2024, Metropolia University of Applied Sciences

s5 = Engineering Physics 2, 21.5.2024, Metropolia University of Applied Sciences

s6 = Introduction to Programming, 2.4.2024, Oulu University of Applied Sciences

s7 = Quality Assurance in Software Engineering, 28.12.2024, Metropolia University of Applied Sciences

s8 = Mobile Application Development, 13.6.2025, University of Vaasa