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Beyond the Bachelor

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1   Time

3 min 20

2   Introduction

Hi everyone! I'm Noah, a 2nd-year Bachelor's student in Computer Science at UCLouvain.

Today, I will talk about what happens after our bachelor's degree, when we will choose a master's and our future career paths.

My goal is to help you make this important decision.

I will introduce the Master's in Software Engineering.
First, we will see what this program is about.

Then, we'll explore what you can do after completing it.
Finally, I'll talk about where it's located.

Let's see what's next after the bachelor's degree!

3   What is it ?

To join this Master's program, you need a university bachelor's degree or a bridging program in Computer Science.
After that, you can choose the Master's in Computer Science.
This Master's has many specializations, and I will talk about Software Engineering and Programming Systems.

The Master's program has a total of 120 credits over two years. It includes :
- A common core of 30 credits with :

1. A Professional Integration Work module,

2. A Graduation Project,

3. And a Seminar Program.

The seminar program lets you explore the world of research.
You can choose one of three specializations :

1. Networking and Security,
2. Software Engineering and Programming Systems,
3. Artificial Intelligence and Machine Learning.

If you choose Software Engineering and Programming Systems, you will study four main courses :

1. Software Modeling,
2. Software Quality*,
3. Programming Languages*,
4. And *Algorithms*.

You can also choose two courses from other specializations, like :

1. Medical Informatics,
2. Cybersecurity,
3. Applied Mathematics,

Or even courses in Languages, Economics, Politics, tutoring bachelor's students, or Entrepreneurship.

Finally, you can pick a project course where you work on an open-source project.

4   Future Prospects

After this Master's, you can do a Doctorat and a PhD in Engineering Sciences if you want to become a professor.

Or you can start working as a software engineer. Your specialization will depend on the extra elective courses you pick during the program.

If you want to start your own software company, this program will give you the tools to do so.

5   Location

This Master's program is offered at EPL in Louvain-la-Neuve,
so we'll most likely live there. However, in the second year,
you can choose to study in another country if you want to learn a new language.

6   Conclusion

For the conclusion , the Master's in Computer Science is a flexible program that
prepares you for careers in research, industry, or starting your own business.
With options to specialize, study abroad, and customize your courses, it's a great choice
for your future.

Thank you for listening !