



BACHELOR OF APPLIED SCIENCE

*Bachelor of applied computer science (BCS)
3-year programme (180 ECTS) taught in English*

TRACK IN BELGIUM

KEY ASSETS OF THIS DEGREE

HANDS-ON: PRACTICE-ORIENTED

You'll become quickly acquainted with the IT world via **cases, projects, company visits, and internship opportunities**, both in Belgium and abroad. Our lecturers are always ready to help and the atmosphere is open and - we dare say - even fun!

INTERNATIONAL OPPORTUNITIES

From day one, you will be immersed into the **international community of our students and staff numbering over 30 nationalities**. Moreover, there are ample opportunities for international experience thanks to project week visits, semester study exchange, or international internships, preparing you for a **globalized tech industry**.

IN COLLABORATION WITH OUR DUTCH-TAUGHT IT PROGRAM

The BCS programme has an almost identical content as the Dutch-taught 'Toegepaste Informatica' bachelor degree. This enables **international and local students to collaborate on joint projects** on a shared campus, attend electives together, as well as benefit from the strong UCLL network in the region.



"I learned so much from our group work during project week. It was a really nice experience to build a game from scratch. I contributed to the project by adding GUI, some animations and creating the characters. We were constantly learning by doing and sharing knowledge within the team. It was creative and fun!"

Purva Patil, current BCS-student

PROGRAMME 2024-2025

| COURSES - PHASE 1 | | COURSES - PHASE 2 | | COURSES - PHASE 3 | |
|-----------------------|---|-----------------------------------|----|--------------------------|----|
| IT & Business | 6 | IT & Society | 6 | IT & Innovation 1 | 3 |
| Database Foundations | 6 | Data Analytics & Machine Learning | 6 | IT & Innovation 2 | 3 |
| Front-End Development | 6 | Data Management | 6 | Senior Workplace Project | 6 |
| Programming 1 | 6 | Full-Stack Software Development | 6 | Bachelor Project | 9 |
| Back-End Development | 6 | Software Engineering | 6 | Traineeship | 18 |
| Programming 2 | 6 | Server & System Management | 6 | Elective Courses | 21 |
| Computer Systems | 6 | IT Introduction Project | 6 | | |
| Computer Networks | 6 | Junior Workplace Project | 6 | | |
| IT Industry Discovery | 6 | Elective Courses | 12 | | |
| Introduction Project | 6 | | | | |

ELECTIVES IN YEAR 2 & 3

During the second and third phase of the programme, students can choose between a wide range of over 20 electives in the fields of Software Development, Artificial Intelligence, Cybersecurity, Digital Experience, Business IT Management, IT Infrastructure and Communication Skills.

100% JOB SECURITY

Every organisation needs computer science specialists, providing you with a wide array of job opportunities to choose from. Whether you want to work at a multinational IT giant, a local start-up, a professional sports team, or a meaningful non-profit, the possibilities are yours to explore. When you graduate with a BCS degree, you'll be prepared to work as a software developer, business analyst, system administrator, IT consultant, data engineer, and beyond!



TUITION FEE

European students*: € 1.116.00
(subject to indexation)

Non-European students*: € 5.800

*Check details on:

ucll.be/en/tuitionfees

COST OF LIVING

est. €1000 per month

LAPTOP RECOMMENDATIONS

Most of the required software subscriptions will be provided by us. You need to use your own laptop with at least 16GB RAM and a i5/AMD-R5 processor (Windows, Mac or Linux).

LOCATION

Welcome to Leuven,
the vibrant student city!

UCLL University of Applied Sciences, Belgium
Campus Proximus, Geldenaaksebaan 335, Heverlee (Leuven)

Only 15 minutes by train from Brussels

MORE INFORMATION

 <https://www.ucll.be/bcs>

 bcs@ucll.be

