

Exchange Programme for Applied Computer Science Students

Academic year 2024-2025



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WELCOME TO UCLL, UNIVERSITY OF APPLIED SCIENCES

FACULTY OF TECHNOLOGY, [CAMPUS PROXIMUS](#), LEUVEN (HEVERLEE)

The Faculty of Technology, Campus Proximus, offers a fall and a spring semester. Both semesters are aimed at **Applied Computer Science students**. Students take **electives in year 2 (spring semester) or year 3 (fall semester)** of the [\(International\) Bachelor Applied Computer Science](#) programme.

Consequently these elective courses are **aimed at students with a solid IT background**. Students must [check the required previous knowledge of the elective courses offered](#) and take into account that a **beginner's level of English is not sufficient** to attend the courses and to take the exams. A B2 level is recommended. These IT courses may be complemented by some cross-curricular courses, depending on the final schedule of courses published in September (fall semester) or February (spring semester).

Most **courses** take place at **Campus Proximus**. Some courses will take place at **other campuses nearby**. **Exceptionally**, students will have **online** classes.

INTERNATIONAL BACHELOR OF APPLIED COMPUTER SCIENCE

UCLL proudly launched an [international bachelor's programme in Applied Computer Science](#). This opportunity gives students the chance to develop strong IT skills and build an international network. We were delighted to welcome our first students in September 2023!

WELCOME DAYS

Each semester starts with [Welcome Days](#). These days are organised by UCLL, University of Applied Sciences for all the international students who attend courses at the different faculties. During these days students get **a lot of practical information** they need for a successful study period in Leuven. We strongly advise to look for **accommodation as soon as possible (before arrival)**. These days also create **possibilities to socialize** with international and local students. We **strongly recommend** students **to participate** in these Welcome Days.

COURSES

Students have a wide range of subjects to choose from (see preliminary overview of the courses on the next pages). Most of the courses will **integrate in a group of Leuven and international students** and are build up in the form of **interactive coached self-teaching**. This means that the subject matter of these courses will not only be acquired by lectures but also by self-study supervised by the lecturer.

The **time schedule** of the courses will be available at the beginning of the semester. Some courses might be scheduled at the same day/time. In that case, students can select another course at the beginning of the semester. Students need to **take a minimum of 20 ECTS**. **1 ECTS** represents a **workload of +/- 25 hrs**.

APPLICATION PROCEDURE

Students from partner institutions need to be **nominated** by their International Office via **Mobility-Online**. As soon as they are nominated, students will have to **complete** their **application** in [UCLL's Mobility-Online](#). Please upload your **documents in English**, and provide an **official Transcript of Records**.

It is **IMPORTANT** to start the application workflow as soon as possible. Depending on your progress, you will receive mailings with practical info on topics such as **housing** and **visa***. Both housing search and visa procedure require considerable time and perseverance. The sooner you can start, the better.

* Depending on your nationality, you may need **a visa for Belgium**. You can find out if you need a visa on the website of [Foreign Affairs](#). For example, if you are a non-EEA student but have a residence permit based on studies in another EEA country (e.g. Spain) you will need a visa.

The procedure **takes time** and requires you to **prove your financial capability**:

- with a sponsor OR
- to sign up for a blocked account at UCLL at the rates mentioned, beware of the **deadlines**

FAQ & CONTACT

Please consult the [general infopages 'Application Exchange Programmes'](#) and [FAQ section](#) first!

For further **questions concerning the exchange programme of Technology, Applied Computer Science**, please contact Kristien Melaerts: incoming.tech.leuven@ucll.be

For **specific or personal questions** about **visa, blocked account, ...**: admissions@ucll.be

For **general enquiries**: international@ucll.be

SCHEDULE (CAN BE SUBJECT TO CHANGES)

Fall semester

	From	Till
Welcome Days	16-09-24	20-09-24
Lectures and seminars	23-09-24	25-10-24
Fall break	28-10-24	01-11-24
Lectures and seminars	04-11-24	20-12-24
Christmas and study break	23-12-24	03-01-25
Study and examination period	06-01-25	31-01-25

Spring semester

Welcome Days	03-02-25	07-02-25
Lectures and seminars	10-02-25	04-04-25
Easter holidays	07-04-25	18-04-25
Lectures and seminars	22-04-25	23-05-25
Study and examination period	26-05-25	27-06-25

Retake exams

Examination period	16-08-25	06-09-25
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OVERVIEW OF THE COURSES OF THE FALL PROGRAMME: [VIEW COURSE DETAILS FOR SPRING SEMESTER](#)

[\(AY 24-25 AVAILABLE AS FROM MID JULY 24\)](#)

ECTS-code	Course unit	ECTS
Applied Computer Science		
Applied Computer Science		
MBI54J	Research & Expertise Project Digital Solutions (BCS) (Sem1) (Year 3) ¹	3
Artificial Intelligence & Data Engineering		
MBI35J	Data Visualisation & Analytics (BCS) (Year 3)	6
MBI38J	AI Applications (BCS) (Year 3)	6
MBI39J	Data Incubator (BCS) (Year 3)	6
Business IT Management		
MBI41J	IT Consultancy (BCS) (Year 3)	6
MBI42J	Business Solutions Platforms Project (BCS) (Year 3)	6
Common International Programme (cross-curricular courses)		
MGD02T	<i>Scenarios for Dreamers for the 21st Century</i> ²	3
MGD11E	<i>European University: International Engagement Circus</i>	3
MGD13E	<i>European University: Hackathon</i>	3
MGD35A	<i>Dutch Language and Culture</i> ²	3
Cybersecurity		
MBI58J	Defensive Cybersecurity (BCS) (Year 3)	6
IT Infrastructure		
MBI45J	Cloud & Operations (BCS) (Year 3)	6
MBI57J	Endpoint & Identity Management (BCS) (Year 3)	6
Software Development		
MBI48J	Distributed Applications (BCS) (Year 3)	6
MBI51J	Mobile Applications (BCS) (Year 3)	6
MBI52J	Extended Reality (BCS) (Year 3)	6
MBI60J	Software Craftmanship (BCS) (Year 3)	6

¹ Depending on your qualifications, you will be able to contribute to a specific project of our Research & Expertise Digital Solutions unit.

² [Campus Hertogstraat, Leuven \(Heverlee\)](#)

³ [Eudres activities, dates may vary: check for overlap](#)

OVERVIEW OF THE COURSES OF THE SPRING PROGRAMME: [VIEW COURSE DETAILS FOR SPRING SEMESTER \(AY 24-25 AVAILABLE AS FROM MID JULY 24\)](#)

ECTS-code	Course unit	ECTS
Applied Computer Science		
Applied Computer Science		
MBI47B	International BusIT Week+ (Sem 2)(Year 2) ^{1,2}	3
MBI62J	Research & Expertise Project Digital Solutions (BCS) (Sem2) (Year 3) ³	3
Artificial Intelligence & Data Engineering		
MBI36J	Advanced AI (BCS) (Year 2)	6
MBI37J	Data Engineering (BCS) (Year 2)	6
Business IT Management		
MBI13J	IT & Business (BCS) (Year 1)	6
MBI40J	Business Solutions Platforms (BCS) (Year 2)	6
MBI61J	International Experience IT Project (BCS) (Year 2)	6
Common International Programme (cross-curricular courses)		
MGD23A	<i>Social & Ethical Issues in Information Technology</i>	3
MGD24A	<i>Intercultural Communications</i>	3
MGD26A	<i>UN Sustainable Development Goals</i>	3
MGD05T	<i>Transdiscipl. Global Engagement Traject.: Doble Via (Ecuador)</i> ⁴	3
MGD12E	<i>European University: I Living Lab</i> ⁵	3
MGD14E	<i>European University: Bootcamp</i> ⁵	3
Communication		
MBI28J	Dutch for IT Professionals (BCS)	3
Cybersecurity		
MBI46J	Application Security (BCS) (Year 2)	6
MBI59J	Offensive Cybersecurity (BCS) (Year 2)	6
IT Infrastructure		
MBI44J	Wireless Communications (BCS) (Year 2)	6
Software Development		
MBI47J	Cloud Native Engineering (BCS) (Year 2)	6
MBI49J	User Interfaces (BCS) (Year 2)	3
MBI50J	3D Graphics (BCS) (Year 2)	6

- 1 During the [BusIT week](#) (an international project week), students have the opportunity to work together with Belgian and other international students.
- 2 [The + refers to the required participation in the hackathon 'Hack The Waste' a 24hr both online and 'on campus' event that aims to create new approaches to waste management in interdisciplinary teams.](#)
- 3 Depending on your qualifications, you will be able to contribute to a specific project of our Research & Expertise Digital Solutions unit.
- 4 [Campus Social School, Leuven \(Heverlee\)](#)
- 5 [Eudres activities, dates may vary: check for overlap](#)

PREVIOUS KNOWLEDGE

Consult which courses regular students had before taking electives (select stage 1 and stage 2), or which courses they are taking at the same time of those electives (select stage 2 and stage 3).

PROFESSIONAL BACHELOR

APPLIED COMPUTER SCIENCE (BCS)



CAMPUS PROXIMUS

Are you driven by tackling challenges using the power of technology? Do you want to develop critical and analytical thinking? Our Applied Computer Science programme delivers aspiring problem-solvers who are ready to launch an international career in the field of IT.

Embark on a journey that will not only equip you with cutting-edge expertise but also empower you to apply your knowledge in authentic contexts!

KEY ASSETS OF THIS DEGREE

1. 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!

2. INTERNATIONAL OPPORTUNITIES

From day one you benefit from the international profile of the **students & staff with over 30 nationalities represented**. 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**.

3. IN COLLABORATION WITH OUR DUTCH-TAUGHT IT PROGRAMS

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 shared electives, 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 student



**LEARN MORE ABOUT BACHELOR
APPLIED COMPUTER SCIENCE**

ucll.be/BCS

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