

Detailed programme by subject

- Mandatory
- ⊗ Optional
- △ Not offered in 2024-2025
- ⊖ Not offered in 2024-2025 but offered the following year
- ⊕ Offered in 2024-2025 but not the following year
- △ ⊕ Not offered in 2024-2025 or the following year
- Activity with requisites
- 🌐 Open to incoming exchange students
- 🚫 Not open to incoming exchange students
- (FR) Teaching language (FR, EN, ES, NL, DE, ...)

Click on the course title to see detailed informations (objectives, methods, evaluation...)

Year

1 2 3

○ Majeure (150 credits)

○ Sciences fondamentales

○ LMAT1101	Mathematics 1	Pedro Dos Santos Santana Forte Vaz	(FR) [q1] [30h+20h] [4 Credits] 🌐	X		
○ LMAT1102	Mathematics 2	Augusto Ponce	(FR) [q2] [30h+30h] [4 Credits] 🌐	X		

				Year		
				1	2	3
○ LBIO1283	Statistical principles and biological data analysis	Nicolas Schtickzelle	FR [q2] [30h+40h] [4 Credits]		x	
○ LBIR1271	Integrated project in programming and applied mathematics	Patrick Bogaert Emmanuel Hanert (coord.) Marnik Vanclooster	FR [q2] [30h+30h] [5 Credits]			x

o Activités transversales et d'intégration

○ LGEO1232	The climate and its changes	Michel Crucifix (compensates Francesco Ragone) Qiuzhen Yin (compensates Kristof Van Oost)	FR [q2] [30h] [5 Credits]			x
○ LGEO1251	Earth's history 🇯🇵	Veerle Vanacker	FR [q2] [30h+60h] [6 Credits] > English-friendly			x
○ LGEO1111	Earth and society : perspectives from geography	Marie Scouart (compensates Eric Lambin)	FR [q2] [30h+15 1 0 0 0 cm 0 0 m 32.664001 0 1 31.664 1 1			

List of available minors

The students can choose a minor from the list below or can opt for another minor on the University programme, based on a project to be elaborated together with the study advisor.

> [Additional module in Geography : global change and transition management](#) [en-prog-2024-appgeo]

> [Minor in Culture and Creation](#) [en-prog-2024-mincucrea]

> [Minor in Scientific Culture](#) [en-prog-2024-minscic]

> [Minor : Issues of Transition and Sustainable Development \(*\)](#) [en-prog-2024-mindd]

> [Minor in Gender Studies](#) [en-prog-2024-mingenre]

> [Minor in Economics \(open\)](#) [en-prog-2024-mino80 8 Tf n4 g 1 0 0 -1 156.119003 s998l56.0w1190en-prog-2024-mino8bp52 l 0 Economics (ope556 ga 1 0

Course prerequisites

The **table** below lists the activities (course units, or CUs) for which there are one or more prerequisites within the programme, i.e. the programme CU for which the learning outcomes must be certified and the corresponding credits awarded by the jury before registering for that CU.

These activities are also identified in the **detailed programme**: their title is followed by a yellow square.

Prerequisites and student's annual programme

As the prerequisite is for CU registration purposes only, there are no prerequisites within a programme year. Prerequisites are defined between CUs of different years and therefore influence the order in which the student will be able to register for the programme's CUs.

In addition, when the jury validates a student's individual programme at the beginning of the year, it ensures its coherence, meaning that it may:

- require the student to combine registration in two separate CUs which it considers necessary from a pedagogical point of view.
- transform a prerequisite into a corequisite if the student is in the final year of a degree course.

For more information, please consult the [Academic Regulations and Procedures](#).

Prerequisites list

LANG1862	"English: reading and listening comprehension of scientific texts" has prerequisite(s) LANG1861 <ul style="list-style-type: none"> • LANG1861 - English: reading and listening comprehension of scientific texts
LGEO1251	"Histoire de la Terre" has prerequisite(s) LBIR1130 <ul style="list-style-type: none"> • LBIR1130 - Introduction to Earth sciences
LGEO1321	"Géographie des espaces ruraux : utilisations des terres, environnement, nature" has prerequisite(s) LGEO1342 <ul style="list-style-type: none"> • LGEO1342 - Geographical Information Systems (GIS)
LGEO1322	"Géographie des espaces urbains et des flux" has prerequisite(s) LBIO1283 <ul style="list-style-type: none"> • LBIO1283 - Statistical principles and biological data analysis
LGEO1331	"Géomorphologie" has prerequisite(s) LGEO1251 ET LGEO1231 <ul style="list-style-type: none"> • LGEO1251 - Earth's history • LGEO1231 - Physical geography
LGEO1332	"Biogéographie" has prerequisite(s) LBIO1117 <ul style="list-style-type: none"> • LBIO1117 - Ecology I
LGEO1341	"Analyse statistique de données géographiques" has prerequisite(s) LBIO1283 <ul style="list-style-type: none"> • LBIO1283 - Statistical principles and biological data analysis
LPHY1365	"Météorologie" has prerequisite(s) LPHY1101 ET LPHY1102 <ul style="list-style-type: none"> • LPHY1101 - Physics 1 • LPHY1102 - Physics 2

The programme's courses and learning outcomes

For each UCLouvain training programme, a [reference framework of learning outcomes](#) specifies the skills expected of every graduate on completion of the programme. Course unit descriptions specify targeted learning outcomes, as well as the unit's contribution to reference framework of learning outcomes.

Detailed programme per annual block

e Formation scientifique générale

LANG1861

English: reading and listening comprehension of scientific texts

Catherine Avery (coord.)
Fanny Desterbecq
Amandine
Dumont (coord.)
Marc Piwnik

[q2]
[10h] [2
Credits]

LECGE1115

GEOG1BA - 3RD ANNUAL UNIT

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-

○ Sciences humaines

Choose one of the three teaching units.

⌘ LTECO2100	Sociétés, cultures, religions : Biblical readings	Hans Ausloos	FB [q1] [15h] [2 Credits] 🌐
⌘ LTECO2200	Societies-cultures-religions : Human Questions	Pedro Dusabamahoro Valinho Gomes	FB [q1] [15h] [2 Credits] 🌐

GEOG1BA - Information

Access Requirements

Decree of 7 November 2013 defining the landscape of higher education and the academic organization of studies.

The admission requirements must be met prior to enrolment in the University.

In the event of the divergence between the different linguistic versions of the present conditions, the French version shall prevail.

SUMMARY

- [General access requirements](#)
- [Specific access requirements](#)
- [Access based on validation of professional experience](#)
- [Special requirements to access some programmes](#)

General access requirements

Except as otherwise provided by other specific legal provisions, admission to undergraduate courses leading to the award of a Bachelor's degree will be granted to students with one of the following qualifications :

1. A Certificate of Upper Secondary Education issued during or after the 1993-1994 academic year by an establishment offering full-time secondary education or an adult education centre in the French Community of Belgium and, as the case may be, approved if it was issued by an educational institution before 1 January 2008 or affixed with the seal of the French Community if it was issued after this date, or an equivalent certificate awarded by the Examination Board of the French Community during or after 1994;
2. A Certificate of Upper Secondary Education issued no later than the end of the 1992-1993 academic year, along with official documentation attesting to the student's ability to pursue higher education for students applying for a full-length undergraduate degree programme;
3. A diploma awarded by a higher education institution within the French Community that confers an academic degree issued under the above-mentioned Decree, or a diploma awarded by a university or institution dispensing full-time higher education in accordance with earlier legislation;
4. A higher education certificate or diploma awarded by an adult education centre;
5. A pass certificate for one of the [entrance examinations](#) organized by higher education institutions or by an examination board of the French Community; this document gives admission to studies in the sectors, fields or programmes indicated therein;
6. A diploma, certificate of studies or other qualification similar to those mentioned above, issued by the Flemish Community of Belgium, the German Community of Belgium or the Royal Military Academy;
7. A diploma, certificate of studies or other qualification obtained abroad and deemed equivalent to the first four mentioned above by virtue of a law, decree, European directive or international convention;

Note:

Requests for equivalence must be submitted to the Equivalence department ([Service des équivalences](#)) of the Ministry of Higher Education and Scientific Research of the French Community of Belgium in compliance with the official deadline.

The following two qualifications are automatically deemed equivalent to the Certificate of Upper Secondary Education (Certificat d'enseignement secondaire supérieur – CESS):

- European Baccalaureate issued by the Board of Governors of a European School,
- International Baccalaureate issued by the International Baccalaureate Office in Geneva.

8. Official documentation attesting to a student's ability to pursue higher education (diplôme d'aptitude à accéder à l'enseignement supérieur - DAES), issued by the Examination Board of the French Community.

Specific access requirements

- Access to bachelor programmes for candidates of nationality outside the European Union who are not assimilated to Belgian nationals is subject to the following criteria:
 - not have obtained a secondary education diploma for more than 3 years maximum. Example: for an admission application for the academic year 2024-2025, you must have obtained your diploma during the academic years 2021-2022, 2022-2023 ou 2023-2024. In the French Community of Belgium, the academic year runs from September 14 to September 13
 - not already hold an undergraduate degree
- Candidates, whatever their nationality, with a secondary school diploma **from a country outside the European Union**, must have obtained an average of 13/20 minimum or, failing that, have obtained this average, have passed one year of study in Belgium (for example special Maths / sciences). A non-successful year will not be taken into consideration.

- For any secondary school diploma **from a European Union country**, the admission request must contain the equivalence of your diploma or, at the very least, proof of the filing of the equivalence request with the Wallonia-Brussels Federation (French Community of Belgium). For any information relating to obtaining an equivalence, please refer to [the following site](#).
- For any secondary school diploma **from a country outside the European Union**, the admission application must contain the [equivalence of your diploma](#) issued by the Wallonia-Brussels Federation (French Community of Belgium). If you have a restrictive equivalence for the programme of your choice, in addition of it, you **must** have either the [DAES](#) or a certificate of successful completion of the [examination giving access to 1st cycle studies](#) when you submit your application

Access based on validation of professional experience

Admission to undergraduate studies on the basis of accreditation of knowledge and skills obtained through professional or personal experience (Accreditation of Prior Experience)

Subject to the general requirements laid down by the authorities of the higher education institution, with the aim of admission to the undergraduate programme, the examination boards accredit the knowledge and skills that students have obtained through their professional or personal experience.

This experience must correspond to at least five years of documented activity, with years spent in higher education being partially taken into account: 60 credits are deemed equivalent to one year of experience, with a maximum of two years being counted. At the end of an assessment procedure organized by the authorities of the higher education institution, the Examination Board will decide whether a student has sufficient skills and knowledge to successfully pursue undergraduate studies.

After this assessment, the Examination Board will determine the additional courses and possible exemptions constituting the supplementary requirements for the student's admission.

Special requirements to access some programmes

- Admission to **undergraduate studies in engineering: civil engineering and architect**

Pass certificate for the [special entrance examination for undergraduate studies in engineering: civil engineering and architect](#).

Admission to these courses is always subject to students passing the special entrance examination. Contact the faculty office for the programme content and the examination arrangements.

- Admission to **undergraduate studies in veterinary medicine**

[Admission to undergraduate studies in veterinary medicine is governed by the Decree of 16 June 2006 regulating the number of students in certain higher education undergraduate courses \(non-residents\)](#).

- Admission to **undergraduate studies in physiotherapy and rehabilitation**

[Admission to undergraduate studies in physiotherapy and rehabilitation is governed by the Decree of 16 June 2006 regulating the number of students in certain higher education undergraduate courses \(non-residents\)](#).

- Admission to **undergraduate studies in psychology and education: speech and language therapy**

[Admission to undergraduate studies in psychology and education: speech and language therapy is governed by the Decree of 16 June 2006 regulating the number of students in certain higher education undergraduate courses \(non-residents\)](#).

- Admission to **undergraduate studies in medicine and dental science**

[Admission to undergraduate studies in medicine and dental science is governed by the Decree of 16 June 2006 regulating the number of students in certain higher education undergraduate courses \(non-residents\)](#).

Note: students wishing to enrol for a **Bachelor's degree in Medicine** or a **Bachelor's degree in dental science** must first sit an [aptitude test \(fr\)](#).

- Access to **Bachelor of Science in Business Engineering**

The Bachelor of Science in Business Engineering is a joint program organised by KU Leuven and UCLouvain Saint-Louis Bruxelles. In order to register, all candidate must first submit an application via the [KU Leuven admission platform](#). The [conditions of access](#) to this programme are specific.

Website

<https://uclouvain.be/fr/facultes/sc/geo>

Academic supervisor: [Sophie Vanwambeke](#)

Jury

- President: [Patrick Meyfroidt](#)
- Secretary: [Veerle Vanacker](#)
- Study advisor: [Eric Lambin](#)

Useful Contact(s)

- Administrative manager for the student's annual program: [Nathalie Micha](#)

