

	<p>UCL Study programme 2025 - 2026</p>	<p>Minor in Scientific Culture</p>
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 *The version you're consulting is not definitive. This programme still may change. The final version will be published on 1th June.*

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MINCULTS - Introduction

Introduction

MINCULTS - Teaching profile

Learning outcomes

On successful completion of this programme, each student is able to :

Programme

DETAILED PROGRAMME BY SUBJECT

- Mandatory
- ⊗ Optional
- △ Not offered in 2025-2026
- ⊙ Not offered in 2025-2026 but offered the following year
- ⊕ Offered in 2025-2026 but not the following year
- △ ⊕ Not offered in 2025-2026 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...)

30 crédits

Year

2 3

Content:

⊗ Séminaires

⊗ LSC1310	Scientific culture seminar <i>Les étudiants ayant déjà réussi LSC1300 ou LSC1350 ne peuvent pas choisir cette UE.</i>		[FR] [q1+q2] [5h+0h] [5 Credits] 🌐	X	X
⊗ LSST1002M	Information and critical thinking - MOOC		[FR] [q2] [30h+15h] [3 Credits] 🌐	X	X

⊗ Biologie

⊗ Niveau 0 (cours abordables sans pré-requis mais ne permettant pas de suivre un cours de niveau 2)

Max un cours parmi :

Maximum 1 element(s)

⊗ LBIO1114	Introduction to biology	Patrick Dumont	[FR] [q2] [30h+7.5h] [3 Credits] 🌐	X	X
⊗ LPSP1005	General biology, including elements of human genetics	François Chaumont Patrick Dumont Charles Hachez	[FR] [q1] [30h] [4 Credits] 🌐	X	X

⊗ Niveau 1 (cours abordables sans pré-requis)

⊗ LBIO1110	Life : diversity and evolution		[FR] [q1] [30h+10h] [4 Credits] 🌐	X	X
⊗ LBIO1111	Cell and molecular biology	Patrick Dumont Charles Hachez	[FR] [q1] [30h+20h] [5 Credits] 🌐	X	X
⊗ LBIO1112C	Organism biology : plants and animals - VETE1BA - CHIM1BA - BABA1BA - MINCULTS		[FR] [q2] [30h+20h] [5 Credits] 🌐	X	X
⊗ LBIO1116	Scientific approach in biology [M]		[FR] [q2] [30h+30h] [4 Credits] 🌐	X	X
⊗ LBIO1117	Ecology I	Renate Wesselingh	[FR] [q2] [30h+10h] [4 Credits] 🌐	X	X

⊗ Niveau 2 (cours nécessitant des pré-requis de niveau 1)

⊗ LBIO1230	Invertebrate biology		[FR] [q1] [10h+40h] [4 Credits] 🌐	X	X
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				Year	
				2	3
✘ LBIO1234A	Animal histology		FR [q1] [20h+10h] [2 Credits] 🌐	X	X
✘ LBIO1235	General cell physiology	Stanley Lutts Jean-François Rees	FR [q1] [15h+15h] [2 Credits] 🌐	X	X
✘ LBIO1240	Plant physiology		FR [q1] [40h+15h] [4 Credits] 🌐	X	X
✘ LBIO1213	Morphology and physiology of fungi [M]	Stephan Declerck	FR [q2] [15h+10h] [2 Credits] 🌐	X	X
✘ LBIO1217	Ecology II		FR [q2] [30h+10h] [3 Credits] 🌐	X	X
✘ LBIO1254	Animal behavior	Ruben Evens (compensates Hans Van Dyck)	EN [q1] [20h+10h] [2 Credits] 🌐	X	X
✘ LBIO1248	Biology and society : interdisciplinary approche of current scientific questions		FR [q1] [15h+15h] [2 Credits] △ 🌐	X	X
✘ LBIO1317	Functional ecology		EN [q1] [30h] [2 Credits] 🌐	X	X

✘ Max un cours parmi

Maximum 1 element(s)

✘ LBIR1352	General genetics		FR [q2] [45h+15h] [5 Credits] 🌐	X	X
✘ LBIO1121	Genetics [C]		FR [q2] [20h+15h] [2 Credits] 🌐 > English-friendly	X	X

✘ Niveau 2 (cours nécessitant des pré-requis de niveau 1 en biologie et en chimie)

Maximum 1 element(s)

✘ LBIR1250	Biochemistry I	Michel Ghislain	FR [q1] [30h+15h] [4 Credits] 🌐	X	X
✘ LCHM1271A	Elements of biochemistry		FR [q1] [30h+20h] [3 Credits] 🌐	X	X

✘ Niveau 3 (cours nécessitant des pré-requis de niveau 2)

✘ LBIR1350	General Microbiology	Annika Gillis	FR [q2] [37.5h+15h] [4 Credits] 🌐	X	X
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✘ Chimie

✘ Niveau 1 (cours abordables sans pré-requis)

Maximum 1 element(s)

✘ LCHM1112	General Chemistry	Yaroslav Filinchuk	FR [q1] [30h+22.5h] [5 Credits] 🌐	X	X
✘ LCHM1111	General chemistry	Benjamin Elias Alexandru Vlad	FR [q1] [45h+67.5h] [11 Credits] 🌐	X	X
✘ LCHM1111A	General chemistry		FR [q1] [45h+30h] [6 Credits] 🌐	X	X
✘ LCHM1111B	General chemistry		FR [q1] [45h+45h] [8 Credits] 🌐	X	X

✘ Niveau 2 (cours nécessitant des pré-requis de niveau1)

Maximum 1 element(s)

✘ LCHM1141	Organic chemistry	Benjamin Elias Charles-André Fustin	FR [q2] [30h+40h] [7 Credits] 🌐	X	X
✘ LCHM1141A	Organic chemistry		FR [q2] [30h+20h] [5 Credits] 🌐	X	X

✘ Mathématique, physique et ingénierie

✘ Niveau 1 (cours abordables sans pré-requis)

Il est indispensable de suivre un cours de math (si votre majeure n'en contient pas) pour pouvoir suivre un cours de physique.

✘ Max un cours parmi

Maximum 1 element(s)

✘ LECGE1112	Mathematics in economy and management		FR [q1] [45h+30h] [6 Credits] 🌐	X	X
✘ LMAT1101	Mathematics 1	Pedro Dos Santos Santana Forte Vaz	FR [q1] [30h+20h] [4 Credits] 🌐	X	X

✘ Max un cours parmi

Maximum 1 element(s)

✘ LINGE1122	Physics and energy I [M]	Giacomo Bruno	FR [q2] [40h+20h] [5 Credits] 🌐	X	X
✘ LPHY1101	Physics 1 [M]		FR [q1] [32h+46h] [6 Credits] 🌐	X	X

✘ Niveau 2 (cours nécessitant des pré-requis de niveau1)

						Year	
						2	3
⊗	LMAT1102	Mathematics 2	Augusto Ponce	FR [q2] [30h+30h] [4 Credits]	🌐	X	X

⊗ **Max un cours parmi**

L'étudiant qui choisit LPHY1102 est tenu de suivre (d'avoir suivi) LMAT1102.

Maximum 1 element(s)

⊗	LPHY1102	Physics 2		FR [q2] [54h+36h] [7 Credits]	🌐	X	X
⊗	LPHY1103	Additional physics		FR [q2] [40h+10h] [4 Credits]	🌐	X	X
⊗	LELEC1930	Intoduction to telecommunication	Jérôme Louveaux	FR [q2] [30h+15h] [4 Credits]	🌐	X	X
⊗	LINGE1317	Research and technological development: energy, electronics and telecommunications [M]	Francesco Contino Benoît Macq	FR [q1] [30h+7.5h] [4 Credits]	🌐	X	X
⊗	LINGE1327	Research and technological development: mechanical, chemical and materials [M]		FR [q2] [30h+7.5h] [4 Credits]	🌐	X	X
⊗	LPHYS1214	Astronomy and geophysics		FR [q2] [22.5h+15h] [5 Credits]	🌐	X	X

⊗ **Sciences de la terre**

⊗ **Niveau 1 (cours abordables sans pré-requis)**

⊗	LBIR1130	Introduction to Earth sciences [M]	Pierre Delmelle (coord.) Sophie Opfergelt	FR [q2] [30h+30h] [5 Credits]	🌐	X	X
⊗	LBIR1230	Introduction to biosphere engineering	Philippe Baret Pierre Defourmy (coord.) Pierre Delmelle	FR [q2] [60h] [5 Credits]	🌐	X	X
⊗	LGEO1111	Earth and society : perspectives from geography	Eric Lambin	FR [q2] [30h+15h] [5 Credits]	🌐	X	X
⊗	LGEO1181	Geography in action	Patrick Meyfroidt	FR [q1+q2] [15h+30h] [4 Credits]	🌐	X	X
⊗	LGEO1221	Elements of human geography	Sophie Vanwambeke	FR [q1] [30h+30h] [5 Credits]	🌐	X	X
⊗	LGEO1231	Physical geography	Veerle Vanacker	FR [q1] [30h+30h] [5 Credits]	🌐	X	X
⊗	LGEO1232	The climate and its changes		FR [q2] [30h] [5 Credits]	🌐	X	X
⊗	LGEO1241	Cartography and spatial data analysis		FR [q2] [30h+30h] [5 Credits]	🌐	X	X
⊗	LGEO1251	Earth's history	Veerle Vanacker	FR [q2] [30h+60h] [6 Credits] > English-friendly	🌐	X	X

⊗ **Niveau 2 (cours nécessitant des pré-requis de niveau1)**

⊗	LBIR1328	Climatology and hydrology applied to agronomy and the environment		FR [q1] [45h+22.5h] [6 Credits] > French-friendly	🌐	X	X
⊗	LBIR1334	Introduction to forest science	Quentin Ponette (coord.) Caroline Vincke	FR [q2] [22.5h+15h] [3 Credits] > English-friendly	🌐	X	X
⊗	LBIR1336	Soil science and integrated excursions	Yannick Agnan (coord.) Richard Lambert Caroline Vincke	FR [q2] [30h+37.5h] [5 Credits] > English-friendly	🌐	X	X
⊗	LGEO1332	Biogeography		FR [q2] [30h+24h] [4 Credits]	🌐	X	X
⊗	LGEO1342	Geographical Information Systems (GIS)	Sophie Vanwambeke	FR [q1] [30h+30h] [5 Credits]	🌐	X	X

THE PROGRAMME'S COURSES AND LEARNING OUTCOMES

For each UCLouvain training programme, a [reference framework of learning outcomes](#) specifies the 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.

MINCULTS - Information

Access Requirements

The minor is accessible, with no entry requirements, to all baccalaureate students, regardless of their option. It is taken in the second and third year of the baccalaureate. The minor is also open to adults.

Evaluation

The evaluation methods comply with the [regulations concerning studies and exams](#). More detailed explanation of the modalities specific to each learning unit are available on their description sheets under the heading "Learning outcomes evaluation method".

Possible trainings at the end of the programme

The minor does not lead on to any master's in particular. It will make it easier for students to understand problems in exact sciences dealt with on the master's course, even if students only have only received limited training in these subject areas when studying for their baccalaureate.

Contacts

Curriculum Management

Faculty

Structure entity

Denomination

Sector

Acronym

Postal address

SST/SC

Faculty of Science ([SC](#))

Sciences and Technology ([SST](#))

SC

Place des Sciences 2 - bte L6.06.01

1348 Louvain-la-Neuve

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<http://www.uclouvain.be/sc>

Website

Mandate(s)

- Dean : Pascal Lambrechts
- Administrative director : Chantal Poncin

Commission(s) of programme

- Ecole de biologie ([BIOL](#))
- Commission de l'agrégation et de la formation continue en Sciences ([CAFC](#))
- Ecole de chimie ([CHIM](#))
- Ecole de géographie ([GEOG](#))
- Louvain School of Statistics, Biostatistics and Actuarial Sciences ([LSBA](#))
- Ecole de mathématique ([MATH](#))
- Ecole de physique ([PHYS](#))
- Ecole de médecine vétérinaire ([VETE](#))

Academic supervisor: [Benjamin Elias](#)

Useful Contact(s)

- Vice-Dean, study advisor for the minor in scientific culture: [Benjamin Elias](#)
- Administrative manager for the annual program of the student registered in the Faculty of sciences: [Nathalie Micha](#)

