

Table of contents

Introduction	2
Teaching profile	3
- Learning outcomes	3
- Detailed programme	4
- Programme by subject	4
- Course prerequisites	5
- The programme's courses and learning outcomes	5
Information	6
- Liste des bacheliers proposant cette mineure	6
- Admission	6
- Evaluation	6
- Possible trainings at the end of the programme	6
- Contacts	7

Introduction

Introduction

Teaching profile

Learning outcomes

Aims of the course in terms of skills: the minor aims to allow the student to acquire basic skills in applied statistics which are of use in his/her specialist subject or help him/her prepare for a Master's in Statistics.

Detailed programme

PROGRAMME BY SUBJECT

- Mandatory
 △ Courses not taught during 2019-2020
 ⊕ Periodic courses taught during 2019-2020
- ✘ Optional
 ⊖ Periodic courses not taught during 2019-2020
 ■ Activity with requisites

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

Year

2 3

o Contenu:

o Module 0 (UE de base en mathématique)

✘ Choix 1

○ LMAT1101	Mathematics 1	Pedro Dos Santos Santana Forte Vaz	30h+20h	4 Credits	1q	X	X
○ LMAT1102	Mathematics 2	Julien Federinov (compensates Augusto Ponce) Augusto Ponce	30h+30h	4 Credits	2q	X	X

✘ Choix 2

○ LECGE1112	Mathematics in economy and management	Pascal Lambrechts Mathieu Van Vyve	45h+30h	6 Credits	1q	X	X
○ LECGE1230	Mathematics in Economics and Management II	Julio Davila Muro	45h+30h	6 Credits	1q	X	X

✘ Choix 3

○ LINGE1114	Mathematics I: analysis	Pascal Lambrechts Jean Van Schaftingen Vincent Wertz	30h+30h	5 Credits	1q	X	X
○ LINGE1121	Mathematics II: algebra and matrix calculus	Tom Claeys	30h+30h	5 Credits	2q	X	X

o Module 1 (UE de base en statistique/probabilité)

✘ Choix 1

○ LBIR1212	Probabilities and statistics (I)	Patrick Bogaert	30h+15h	4 Credits	1q	X	X
○ LBIR1315	Probability and statistics II	Patrick Bogaert	22.5h +22.5h	3 Credits	1q	X	X

✘ Choix 2

○ LECGE1114	Statistics in Economics and Management I	Marie-Paule Kestemont	30h+30h	5 Credits	2q	X	X
○ LECGE1224	Economics and Management Statistics	Cédric Heuchenne	30h+15h	5 Credits	2q	X	X

✘ Choix 3

○ LINGE1113	Probability	Aurélié Bertrand (compensates Johan Segers) Johan Segers	30h+15h	4 Credits	2q	X	X
○ LINGE1214	Further Statistics	Christian Hafner	30h+15h	4 Credits	1q	X	X

✘ Module 2 (UE de base en informatique)

L'étudiant choisit maximum une UE parmi LSINF1101 et LINGE1225

✘ LINFO1101	Introduction à la programmation	Kim Mens Siegfried Nijssen Charles Pecheur	30h+30h	5 Credits	1q	X	X
✘ LINFO1225	Conception orientée objet et gestion de données	Kim Mens	30h+30h	5 Credits	2q	X	X

						Year	
						2	3
⊗ LINGE1225	Programming in Economics and Management	Marco Saerens	22.5h +22.5h	4 Credits	1q	x	x
⊗ LSINF1121	Algorithmics and data structures	Pierre Schaus	30h+30h	5 Credits	1q	x	x

o Module 3 (Statistique)

L'étudiant choisit maximum une UE parmi LSTAT2120 et LBIRA2101.

⊗ LMAFY1101	Data exploration and introduction to statistical inference	Anouar El Ghouch	30h+30h	5 Credits	2q	x	x
⊗ LSTAT2020	Statistical softwares and basic statistical programming	Céline Bugli	15h+15h	4 Credits	1q	x	x
⊗ LSTAT2110	Data Analysis	Johan Segers	30h+7.5h	5 Credits	1q	x	x
⊗ LSTAT2120	Linear models	Christian Hafner	30h+7.5h	5 Credits	1q	x	x
⊗ LBIRA2101	Biometry : analysis of the variance	Xavier Draye (coord.) Bernadette Govaerts	30h+15h	4 Credits	1q	x	x
⊗ LSTAT2200	Survey and Sampling	Marie-Paule Kestemont	15h+5h	4 Credits	2q	x	x
⊗ LSTAT2310	Statistical quality control.	Bernard Francq (compensates Bernadette Govaerts) Bernadette Govaerts	15h+5h	4 Credits	1q	x	x
⊗ LSTAT2320	Design of experiment.	Patrick Bogaert Bernadette Govaerts	22.5h +7.5h	5 Credits	2q	x	x
⊗ LSTAT2330	Statistics in clinical trials.	Catherine Legrand Annie Robert	22.5h +7.5h	5 Credits	2q	x	x

COURSE PREREQUISITES

A document entitled (nb: not available for this programme lstat100i) specifies the activities (course units - CU) with one or more prerequisite(s) within the study programme, that is the CU whose learning outcomes must have been certified and for which the credits must have been granted by the jury before the student is authorised to sign up for that activity.

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

As the prerequisites are a requirement of enrolment, there are none within a year of a course.

The prerequisites are defined for the CUs for different years and therefore influence the order in which the student can enrol in the programme's CUs.

In addition, when the panel validates a student's individual programme at the beginning of the year, it ensures the consistency of the individual programme:

- It can change a prerequisite into a corequisite within a single year (to allow studies to be continued with an adequate annual load);
- It can require the student to combine enrolment in two separate CUs it considers necessary for educational purposes.

For more information, please consult [regulation of studies and exams](https://uclouvain.be/fr/decouvrir/rgee.html) (https://uclouvain.be/fr/decouvrir/rgee.html).

THE PROGRAMME'S COURSES AND LEARNING OUTCOMES

For each UCLouvain training programme, a [reference framework of learning outcomes](#) specifies the competences expected of every graduate on completion of the programme. You can see the contribution of each teaching unit to the programme's reference framework of learning outcomes in the document "*In which teaching units are the competences and learning outcomes in the programme's reference framework developed and mastered by the student?*"

Information

Liste des bacheliers proposant cette mineure

- > Bachelor in Pharmacy [en-prog-2019-farm1ba]
- > Bachelor in Sociology and Anthropology [en-prog-2019-soca1ba]
- > Bachelor in religious studies [en-prog-2019-reli1ba]
- > Bachelor in Philosophy [en-prog-2019-filo1ba]
- > Bachelor in Mathematics [en-prog-2019-math1ba]
- > Bachelor in Economics and Management [en-prog-2019-ecge1ba]
- > Bachelor in Law [en-prog-2019-droi1ba]
- > Bachelor in Motor skills : General [en-prog-2019-edph1ba]
- > Bachelor in Political Sciences: General [en-prog-2019-spol1ba]
- > Bachelor in Human and Social Sciences [en-prog-2019-huso1ba]
- > Bachelor in Engineering [en-prog-2019-fsa1ba]
- > Bachelor in Computer Science [en-prog-2019-sinf1ba]
- > Bachelor in Information and Communication [en-prog-2019-comu1ba]
- > Bachelor in Biomedicine [en-prog-2019-sbim1ba]
- > Bachelor in Geography : General [en-prog-2019-geog1ba]

Admission

Specific Admission Requirements

The minor in statistics is open to all students from all UCL baccalaureate courses for whom statistics appears to be an attractive additional tool. The real content of his/her program will depend on his/her goals and basic skills in statistics, mathematics and IT.

We divide the students into three groups based on the role mathematics and statistics play in their university course:

- Group 1 : students whose baccalaureate program does not feature any mathematics training and who are not taking a sufficiently methodological statistics course.
- Group 2 : students with sound mathematics training but who have not covered much statistics in their baccalaureate program.
- Group 3 : students who already have a solid basic training in mathematics and statistics in their baccalaureate.

An adviser from the Institut de statistique will be available to help the student decide in which group s/he belongs and to help him/her choose his/her electives to match his/her aims.

Evaluation

The evaluation methods comply with the regulations concerning studies and exams (<https://uclouvain.be/fr/decouvrir/rgee.html>). 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

Majors-minors giving direct access to a master's course(s) :

Students who pass the minor in statistics have fulfilled the necessary conditions to enroll on a specialized master's in statistics.

Majors-minors giving access to the master's subject to the student meeting an additional requirement(s):

Contacts

Attention, you are currently reading an archived page: below contact informations were for program study 2019-2020 only. To get current contact informations please got to [current program study site](#).

Curriculum Management

Entity	
Structure entity	SST/SC/LSBA
Denomination	(LSBA) (https://uclouvain.be/repertoires/entites/lsba)
Faculty	Faculty of Science (SC) (https://uclouvain.be/repertoires/entites/sc)
Sector	Sciences and Technology (SST) (https://uclouvain.be/repertoires/entites/sst)
Acronym	LSBA
Postal address	Voie du Roman Pays 20 - bte L1.04.01 1348 Louvain-la-Neuve Tel: +32 (0) 10 47 43 14 - Fax: +32 (0) 10 47 30 32
Web site	https://uclouvain.be/fr/facultes/sc/lsba (https://uclouvain.be/fr/facultes/sc/lsba)
Academic supervisor: Bernadette Govaerts	
Useful Contact(s)	
• Sophie Malali	

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