



The version you're consulting is not definitive. This programme still may change. The final version will be published on 1th June.

At Louvain-la-Neuve - 120 credits - 2 years - Day schedule - In French

Dissertation/Graduation Project : **YES** - Internship : **optional**

Activities in English: **YES** - Activities in other languages : **NO**

Activities on other sites : **NO**

Main study domain : **Sciences**

Organized by: **Faculty of Science (SC)**

Programme acronym: **STAT2M** - Francophone Certification Framework: 7

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STAT2M - Introduction

Introduction

Introduction

Organized by Louvain School of Statistics, Biostatistics and Actuarial Sciences (LSBA), this Master's program offers you

- A training in the fundamental concepts of statistics and to the main technical tools and software for the analysis of statistical data.
- The choice between a focus on research or oriented towards a field of applications.
- Several opportunities to put in practice statistical techniques based on exercises, individual projects, analyses of real data using statistical software and the preparation of a Master's thesis, possibly in collaboration with an external industry partner.

Your profile

You

- Hold an undergraduate diploma and you wish to become a specialist in data analysis methods;
- Hold an undergraduate diploma or Master's degree from a University or a University college and statistics is an additional competence to your actual training;
- Are working in the field of applied data analysis and you wish to provide an academic framework for your practice.

Your programme

The program of Master's degree in Statistics is composed of a core study program and 30 credits (including the Master's thesis) of professional focus courses (*finalité spécialisée*). You will complete your programs with courses from the proposed options / elective courses of the programs.

STAT2M - Teaching profile

Learning outcomes

Acquérir de solides bases méthodologiques en probabilité et statistique et les appliquer, à maintes occasions, dans des domaines comme l'économétrie, la finance, le data mining, les sciences humaines, ... tels sont les défis que l'étudiant en master en statistique, se prépare à relever.

L'étudiant maîtrisera les concepts fondamentaux de la probabilité et de la statistique. Il développera des compétences en communication et sera capable d'analyser un problème complexe, de collaborer à un projet de recherche. Selon les objectifs visés par l'étudiant, deux options sont proposées. L'étudiant de l'option "Fundamentals" analysera des sujets de la recherche fondamentale ou appliquée sans choix a priori d'un domaine d'application, tandis que l'étudiant de l'option "Statistics in Action" maîtrisera les principaux outils de traitement de données, tout en se spécialisant dans un domaine d'application de la statistique.

Au terme de sa formation à la faculté des sciences, l'étudiant aura acquis les connaissances et compétences disciplinaires et transversales nécessaires pour exercer de nombreuses activités professionnelles. Ses capacités de modélisation et de compréhension en profondeur des phénomènes, son goût pour la recherche et sa rigueur scientifique seront recherchés non seulement dans les professions scientifiques (recherche, développement, enseignement) mais aussi plus généralement dans la société actuelle et future.

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

1. Maîtriser un socle fondamental de la probabilité et de la statistique.

1.1

Maîtriser les calculs mathématiques fondamentaux.

1.2

Résumer un texte de méthodologie statistique et situer les limites de ses connaissances face à un problème donné.

1.3

Utiliser les outils fondamentaux de calcul et de programmation dans des problèmes de probabilité et statistique.

1.4

Reconnaître les concepts fondamentaux et transversaux d'importantes théories de probabilité et statistique actuelles et établir les liens principaux entre ces théories.

1.5

Expliquer des théories de probabilité et statistique en motivant les énoncés et les définitions par des exemples et des contre-exemples et en mettant en évidence les idées principales.

1.6

Relier des concepts de probabilité et de statistique et des problématiques associées à leur contexte historique en ayant compris le rôle de ces outils en science.

2. S'exprimer de façon claire, précise et rigoureuse dans les activités de communication tant en français que en anglais (niveau B1 [CECRL](#)).

2.1

Saisir, résumer et interpréter l'essentiel de communications scientifiques orales en statistique et probabilité.

2.2

Résumer, par des tables et graphiques informatifs et pertinents, l'information disponible dans un ensemble de données.

2.3

Rédiger des textes statistiques selon les conventions de la discipline.

2.4

Structurer un exposé oral, mettre en évidence les éléments clés, distinguer techniques et concepts et adapter l'exposé au niveau d'expertise des auditeurs.

2.5

Utiliser des outils médiatiques et informatiques variés pour communiquer (expliquer, rédiger, publier) des résultats d'analyses statistiques et leur interprétation dans le contexte de l'étude.

2.6

Dialoguer avec des collègues d'autres disciplines.

3. Analyser rigoureusement et dans différents contextes disciplinaires, un problème ou un système complexe pour en extraire les points essentiels et les mettre en relation avec les outils théoriques les mieux adaptés.

3.1

Utiliser des solides connaissances de la méthodologie statistique dans des contextes multidisciplinaires parfois éloignés de la statistique.

3.2

Analyser un problème statistique et proposer une méthode (en validant les hypothèses sous-jacentes) et des outils adéquats pour l'étudier et le résoudre de façon approfondie et originale.

3.3

Utiliser plusieurs outils informatiques d'aide à la résolution de problèmes statistiques, tout en connaissant les limitations de ces outils.

3.4

Développer une analyse rigoureuse et originale pour comprendre et résoudre des problèmes spécifiques dans tous les domaines d'application des statistiques qu'il rencontrera dans sa profession, en respectant les contraintes imposées par le contexte.

4. S'il choisit l'option "Fundamentals", maîtriser plusieurs domaines de la probabilité ou statistique actuelle et ses problématiques.

4.1

Développer de façon autonome son intuition statistique en anticipant les résultats attendus et en vérifiant la cohérence avec des résultats déjà existants.

4.2

Analyser un problème de recherche et proposer des outils adéquats pour l'étudier de façon approfondie et originale.

4.3

Démontrer des résultats classiques et plus avancés de probabilité et statistique mathématique.

4.4

Etudier les propriétés de méthodes statistiques à l'aide de simulation.

4.5

Collaborer à la rédaction d'une communication scientifique pour une publication avec comité de revue.

5. S'il choisit l'option "Statistics in Action", gérer un projet de consultation statistique.

5.1

Communiquer avec un client d'une autre discipline, lui apporter un regard proactif et objectif par rapport à son problème, faire preuve de curiosité et de connaissances minimales pour sa discipline.

5.2

Cerner et reformuler les questions du client et y apporter des réponses adéquates, originales, documentées en l'invitant à l'autonomie.

5.3

Gérer de grandes bases de données.

5.4

Planifier et gérer un projet de consultation statistique.

5.5

Ecrire un rapport clair, succinct et rigoureux d'un projet de consultation statistique.

5.6

Expliquer les résultats d'un projet de consultation statistique aux clients non-statisticiens.

6. Etre autonome dans ses apprentissages et faire preuve d'esprit critique.

6.1

Rechercher dans la littérature statistique des sources et évaluer leur pertinence.

6.2

Lire et comprendre un texte statistique avancé et le situer correctement par rapport aux connaissances acquises.

6.3

Modéliser et résoudre un problème donné et être capable de s'initier à un nouveau champ de connaissances.

6.4

Juger de façon autonome de la pertinence d'une démarche statistique et de l'intérêt d'une théorie statistique.

STAT2M Programme

Detailed programme by subject

CORE COURSES

- Mandatory
- ⊗ Optional
- △ Not offered in 2026-2027
- ⊖ Not offered in 2026-2027 but offered the following year
- ⊕ Offered in 2026-2027 but not the following year
- △ ⊕ Not offered in 2026-2027 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

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○ Cours obligatoires de statistique (38 credits)

Code	Titre	Langue	Pré requis	Credits	🌐	1	2
LDATS2030	Programming and data reporting in R [M]	FR	[q1] [22.5h+15h]	[5 Credits]	🌐	X	
LSTAT2190	Random vectors: modelling and processing [M]	FR	[q1] [15h+7.5h]	[4 Credits]	🌐	X	
LSTAT2100	Discrete data analysis.	FR	[q2] [30h+7.5h]	[5 Credits]	🌐	X	
LSTAT2120	Linear models [M]	FR	[q1] [30h+15h]	[5 Credits]	🌐	X	
			> French-friendly				
LSTAT2130	Introduction to Bayesian statistics	EN	[q2] [22.5h+7.5h]	[5 Credits]	🌐	X	
LSTAT2140	Non parametric statistics	FR	[q1] [15h+5h]	[4 Credits]	🌐	X	X
			> English-friendly				
LSTAT2150	Smoothing techniques [M]	EN	[q1] [22.5h+9.5h]	[5 Credits]	🌐	X	X
LSTAT2380	Statistical consulting [M]	EN	[q2] [22.5h+7.5h]	[5 Credits]	🌐	X	
			> French-friendly				

⊗ Cours au choix

The programme must be supplemented by at least 8 courses chosen from this list, including at least 2 courses in computational statistics, at least 2 courses in statistical modelling and at least 1 course in industrial statistics.

○ Statistique computationnelle et en haute dimension

Choisir minimum 2 cours parmi :

LDATS2360	Basic SAS programming [M]	FR	[q1] [15h+7.5h]	[4 Credits]	🌐	X	X
LSTAT2185	Numerical Methods for Statistics: Optimization, Simulations and the Bootstrap	EN	[q1] [30h+15h]	[5 Credits]	🌐		X
			> French-friendly				
LDATS2350	Hands-on data science with Python [M]	FR	[q2] [30h+15h]	[5 Credits]	🌐	X	X
LSTAT2340	Statistical Analyses of -omics Data [M]	FR	[q2] [30h+9.5h]	[5 Credits]	🌐	X	X
			> English-friendly				
LDATS2450	Statistical learning. Estimation, selection and inference [M]	EN	[q2] [30h+7.5h]	[5 Credits]	🌐	X	X
			> French-friendly				
LINMA2222	Stochastic Optimal Control and Reinforcement Learning	EN	[q1] [30h+22.5h]	[5 Credits]	🌐	X	X

○ Modélisation statistique

Choisir minimum 2 cours parmi :

LSTAT2210	Mixed linear models	FR	[q1] [15h+7.5h]	[4 Credits]	🌐		X
LSTAT2170	Times series [M]	EN	[q2] [22.5h+7.5h]	[5 Credits]	🌐	X	X
LSTAT2220	Analysis of survival and duration data	FR	[q1] [15h+5h]	[4 Credits]	🌐	X	X
			> English-friendly				
LSTAT2480	Causality [C]	FR	[q2] [15h+5h]	[4 Credits]	△ 🌐	X	X
LSTAT2230	Advanced survival models [M]	EN	[q2] [15h+5h]	[4 Credits]	⊕ 🌐		X

○ Statistique en industrie

Choisir minimum 1 cours parmi :

LSTAT2320	Design of experiment. [M]	FR	[q2] [30h+9.5h]	[5 Credits]	🌐	X	X
			> English-friendly				
LSTAT2330	Statistics in clinical trials. [M]	FR	[q2] [30h+7.5h]	[5 Credits]	🌐	X	X
LSTAT2390	Applied statistics workshops	EN	[q1+q2] [15h]	[3 Credits]	🌐		X
			> French-friendly				

Year

				1	2
⊗ LSTAT2920	Stage ou travail d'application (20 à 30 jours) 🏡		FR [q1 or q2] [] [5 Credits] 🌐		x

⊗ Philosophie

Choisir maximum un cours parmi:

⊗ LFILO2003E	Ethics in the Sciences and technics (sem)		FR [q2] [15h+15h] [2 Credits] 🌐	x	x
⊗ LSC2001	Introduction to contemporary philosophy	Charles Pence Peter Verdée	FR [q2] [30h] [2 Credits] 🌐	x	x
⊗ LSC2220	Philosophy of science	Alexandre Guay	EN [q2] [30h] [2 Credits] 🌐	x	x

⊗ Optional courses :

These credits are not counted within the 120 required credits.

⊗ LSST1001	IngénieuxSud [M]	Stéphanie Merle Jean-Pierre Raskin	FR [q1+q2] [30h+22.5h] [5 Credits] 🌐	x	x
⊗ LSST1002M	Information and critical thinking - MOOC		FR [q1] [30h+15h] [3 Credits] 🌐	x	x

PROFESSIONAL FOCUS [30.0]

- Mandatory
- ⊗ Optional
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- △ ⊕ Not offered in 2026-2027 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

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Content:

○ LSTAT2820	Mémoire en statistique		FR [q1 or q2] [] [20 Credits] 🌐		X
○ LSTAT2040	Statistical analysis	Anouar El Ghouch	FR [q2] [30h+15h] [5 Credits] 🌐		X
○ LSTAT2110	Data Analysis	Olivier Caelen	FR [q1] [30h+7.5h] [5 Credits] 🌐		X

OPTIONS

- > [Economics and actuarial science](#) [en-prog-2026-stat2m-lstat210o]
- > [Climate and Society](#) [en-prog-2026-stat2m-lstat211o]

ECONOMICS AND ACTUARIAL SCIENCE

- Mandatory
- ⊗ Optional
- △ Not offered in 2026-2027
- ⊙ Not offered in 2026-2027 but offered the following year
- ⊕ Offered in 2026-2027 but not the following year
- △ ⊕ Not offered in 2026-2027 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

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Content:

○ Cours prioritaires - Economie et Actuariat

⊗ LACTU2010	Property and casualty insurance actuarial science	Michel Denuit	FR [q1] [45h+7.5h] [7 Credits] 🌐	X	X
⊗ LACTU2210	Quantitative Risk Management	Christian Hafner	EN [q2] [30h] [5 Credits] 🌐 > French-friendly	X	X
⊗ LACTU2310	Statistical learning methods for insurance [M]	Karim Barigou	FR [q2] [15h] [3 Credits] 🌐	X	X

○ Autres cours au choix - Economie et Actuariat

⊗ LECON2601	Advanced Econometrics II - Time Series Econometrics	Sébastien Van Bellegem	EN [q2] [30h] [5 Credits] 🌐	X	X
⊗ LECON2602	Advanced Econometrics II - Microeconomics	William Parienté	EN [q2] [30h] [5 Credits] 🌐	X	X
⊗ LMAT1371	Probability Theory	Karim Barigou	FR [q2] [30h+22.5h] [5 Credits] 🌐	X	X


Year

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⌘ LINMA2470

Stochastic modelling

Philippe Chevalier
Quentin Lété

EN [q2] [30h+22.5h] [5 Credits] 
> French-friendly

x x

CLIMATE AND SOCIETY

- Mandatory
- ⊗ Optional
- △ Not offered in 2026-2027
- ⊖ Not offered in 2026-2027 but offered the following year
- ⊕ Offered in 2026-2027 but not the following year
- △ ⊕ Not offered in 2026-2027 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

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o Content:

o Cours prioritaires - Climat et Société

⊗ LGEO2211	Advanced statistical methods in geography		(FR) [q1] [30h+30h] [5 Credits] 🌐	X	X
⊗ LSTAT2470	Statistical modeling of climate extremes [C]		(EN) [q1] [15h+5h] [4 Credits] 🌐		X

o Autres cours au choix - Climat et Société

⊗ LPSYS2144	Data analysis: measure patterns	Gaétane Caesens	(FR) [q1] [45h+15h] [6 Credits] 🌐	X	X
⊗ LDEMO2402	Méthodologie de collecte de données par enquêtes quantitatives (dont sondage)		(FR) [q2] [30h] [4 Credits] 🌐	X	X
⊗ LSOC2095	Techniques approfondies d'enquête extensive et de sondage en sociologie : atelier d'exercices		(FR) [q2] [15h] [2 Credits] 🌐	X	X

Supplementary classes

To access this Master, students must have a good command of certain subjects. If this is not the case, in the first annual block of their Masters programme, students must take supplementary classes chosen by the faculty to satisfy course prerequisites.

- Mandatory
- ⊗ Optional
- △ Not offered in 2026-2027
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- △ ⊕ Not offered in 2026-2027 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...)

From 0 to 60credit(s)

⊗ Bloc intégré de probabilité, statistique et mathématique

○ LSTAT2011	Éléments de mathématiques pour la statistique	Catherine Legrand	FR [q1] [15h+15h] [3 Credits] 🌐
○ LSTAT2014	Elements of probability and mathematical statistics [M]	Eugen Pircalabelu	FR [q1] [22.5h+22.5h] [5 Credits] 🌐 > English-friendly

⊗ Cours de mathématique

⊗ LINGE1114	Introduction to mathematical modelling : analysis	Heiner Olbermann	FR [q1] [30h+30h] [4 Credits] 🌐
⊗ LINGE1121	Introduction to mathematical modelling : algebra	Tom Claeys	FR [q2] [30h+30h] [4 Credits] 🌐

⊗ Cours d'informatique

⊗ LSC1301	Introduction to programming and data processing [C]		FR [q2] [22.5h+30h] [5 Credits] 🌐
⊗ LINGE1225	Programming in Economics and Management [M]	Marco Saerens	FR [q1] [30h+20h] [4 Credits] 🌐

⊗ Cours de Probabilité et Statistique

⊗ LINGE1113	Data analysis : Probability		FR [q2] [30h+15h] [4 Credits] 🌐
⊗ LINGE1214	Data analysis : Statistics and Econometrics [M]		FR [q1] [30h+15h] [4 Credits] 🌐
⊗ LINGE1221	Econometrics		FR [q2] [30h+15h] [4 Credits] 🌐
⊗ LMAT1271	Calculation of probability and statistical analysis	Anna Kiriliouk	FR [q2] [30h+30h] [6 Credits] 🌐 > English-friendly
⊗ LPSP1209	Statistics, inference on one or two variables	Eugen Pircalabelu	FR [q1] [22.5h+15h] [4 Credits] 🌐
⊗ LPSP1306	Statistics: descriptive analysis and GLM multivariate data modeling	Olivier Caelen	FR [q2] [30h+15h] [4 Credits] 🌐
⊗ LMAFY1101	Data exploration and introduction to statistical inference	Anouar El Ghouch	FR [q2] [30h+30h] [5 Credits] 🌐

⊗ Cours d'anglais

⊗ LANGL1330	English intermediate level - 1st part	Stéphanie Brabant Estelle Dagneaux Jean-Luc Delghust Aurélié Deneumoustier Fanny Desterbecq Marie Duetz Claudine Grommersch Sandrine Mulkers (coord.) Marc Piwnik (coord.) Françoise Stas	EN [q1 or q2] [20h] [3 Credits] 🌐
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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

LSTAT2920 "Stage ou travail d'application (20 à 30 jours)" has prerequisite(s) LSTAT2110 ET LSTAT2120 ET LDATS2030

- LSTAT2110 - [Data Analysis](#)
- LSTAT2120 - [Linear models](#)
- LDATS2030 - [Programming and data reporting in R](#)

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.

STAT2M - Information

Access Requirements

Master course admission requirements are defined by the French Community of Belgium Decree of 7 November 2013 defining the higher education landscape and the academic organisation of courses.

General and specific admission requirements for this programme must be satisfied at the time of enrolling at the university.

Unless explicitly mentioned, the bachelor's, master's and licentiate degrees listed in this table or on this page are to be understood as those issued by an institution of the French, Flemish or German-speaking Community, or by the Royal Military Academy.

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](#)
- > [University Bachelors](#)
- > [Non university Bachelors](#)
- > [Holders of a 2nd cycle University degree](#)
- > [Holders of a non-University 2nd cycle degree](#)
- > [Access based on validation of professional experience](#)
- > [Access based on application](#)
- > [Admission and Enrolment Procedures for general registration](#)

Specific access requirements

In addition to the access conditions described below, candidates will have to provide proof of a sufficient command of the French language (level B1 of the [CEFR, Common European Framework of Reference for Languages](#)).

University Bachelors

Diploma	Special Requirements	Access	Remarks
UCLouvain Bachelors			
Bachelor in Bioengineering		Direct access	
Bachelor in Engineering		Direct access	
Bachelor in Mathematics		Direct access	
Bachelor in Physics		Direct access	
Bachelor in Computer Science (Louvain-la-Neuve)		Direct access	
Bachelor in Computer Science (Charleroi)		Direct access	
Bachelor : Business Engineering (Louvain-la-Neuve)		Direct access	
Bachelor : Business Engineering (Mons)		Direct access	
Bachelor : Business Engineering (Bruxelles Saint-Louis)		Direct access	
Bachelor : Business Engineering (French-English) (Bruxelles Saint-Louis)		Direct access	
Bachelor : Business Engineering (French-Dutch-English) (Bruxelles Saint-Louis)		Direct access	
Bachelor of Science in Business Engineering (Bruxelles Saint-Louis)		Direct access	
Other bachelors	If the student succeeded Minor in Statistics, Actuarial Sciences and Data Sciences	Direct access	Even in the case of direct access, the Enrolment Office may submit the student's enrolment application to the faculty. The faculty will verify that any specific requirements have been met.

Other bachelors	If the student did not succeed Minor in Statistics, Actuarial Sciences and Data Sciences	Access based on application
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Others Bachelors of the French speaking Community of Belgium

Bachelor in Bioengineering Bachelor in Engineering Bachelor in Mathematics Bachelor in Physics Bachelor in Computer Science Bachelor : Business Engineering	Direct access
Other bachelors	Access based on application

Bachelors of the Dutch speaking Community of Belgium

All bachelors	Access based on application
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Foreign Bachelors

All bachelors	Access based on application
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Non university Bachelors

> Find out more about [links](#) to the university

Holders of a 2nd cycle University degree

Diploma	Special Requirements	Access	Remarks
"Licenciés"			
Toutes les autres licences		Access based on application	Depending on their previous academic background, students may be exempted from a maximum of 60 ECTS credits and may be able to complete the Master's degree in Statistics in a single year. They may also be required to take additional courses worth up to 60 credits to fulfill any missing prerequisites.
Masters			
Masters of the french community of Belgium : Data science Actuarial science Biostatistics Bioengineering Engineering (except architectural engineering) Mathematics Business Engineering Computer science Physics Biological sciences Biomedical sciences Management sciences Economic sciences		Direct access	Depending on their previous academic background, students may be exempted from a maximum of 60 ECTS credits and may be able to complete the Master's degree in Statistics in a single year.
Other masters		Access based on application	Depending on their previous academic background, students may be exempted from a maximum of 60 ECTS credits and may be able to complete the Master's degree in Statistics in a single year. They may also be required to take additional courses worth up to 60 credits to fulfill any missing prerequisites.

Holders of a non-University 2nd cycle degree

Access based on validation of professional experience

It is possible, under certain conditions, to use one's personal and professional experience to enter a university course without having the required qualifications. However, validation of prior experience does not automatically apply to all courses. Find out more about [Validation of priori experience](#).

These Master's programmes are open to adults. In particular, the specialised Master's programme allows interested individuals to acquire practical training in a field of application of statistics with a lighter programme if they can demonstrate training or professional experience in the field of application of the chosen specialisation.

Access based on application

Access based on application : access may be granted either directly or on the condition of completing additional courses of a maximum of 60 ECTS credits, or refused.

Foreign students who have succeeded an university education (minimum 3 years) with strong quantitative connotation and who have obtained at least 70% (or 14/20) of average for all successful university years in their home university, without fail in mathematics/statistics/probability, have the possibility to apply for admission to the master's program in Statistics (120 ECTS).

Students who wish to be admitted on the basis of a dossier are invited to consult the [criteria for the evaluation of application](#).

Admission and Enrolment Procedures for general registration

The student contacts the LSBA secretariat if a faculty authorization has been requested by the registration service. The student then establishes his program with the study consultant of the purpose concerned (<https://uclouvain.be/fr/facultes/sc/infos-lsba.html>) .

Evaluation

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

Each course in the programme involves an oral or written examination. There may also be a project leading to a report which will form part of the assessment. The work placement (or work involving statistical application) and the dissertation both involve the production of a document to be defended in an oral examination with an examination.

Contacts

Curriculum Management

Entity

Structure entity

Denomination

Faculty

Sector

Acronym

Postal address

SST/SC/LSBA

(LSBA)

Faculty of Science (SC)

Sciences and Technology (SST)

LSBA

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

Website

Academic supervisor: [Anna Kiriliouk](#)

Jury

- Foreman of the jury: [Christian Hafner](#)
- Secretary of the jury: [Eugen Pircalabelu](#)
- Study advisor: [Anna Kiriliouk](#)

Useful Contact(s)

- Secretary of The Louvain School of Statistics, Biostatistics and Actuarial Sciences: [Sophie Malali](#)

