

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

CORE COURSES [q1] [15h+15h] [4 Credits]

- 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

○ **Cours obligatoires de statistique (32 credits)**

○ LSTAT2020	Statistical softwares and basic statistical programming	Céline Bugli	[FR] [q1] [15h+15h] [4 Credits]	X
○ LSTAT2190	Concepts and treatment of random vectors	Rainer von Sachs	[FR]	

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

⊗ Optional courses :

STATISTICS IN ACTION

- 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

o Content:

● LSTAT2390	Applied statistics workshops	Christian Ritter Laura Symul	EN [q1+q2] [15h] [3 Credits] 🌐 > <i>French-friendly</i>	x
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⊗ Stage ou travail d'application

⊗ LSTAT2920	Stage ou travail d'application
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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 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...)

From 0 to 60credit(s)

⌘ Cours d'anglais

⌘ LANGL1330	English intermediate level - 1st part	Stéphanie Brabant Charline Coduti (compensates Anne-Julie Toubeau) Estelle Dagneaux Jean-Luc Delghust Aurélie Deneumoustier Fanny Desterbecq Marie Duelz Claudine Grommersch Adrien Kefer Sandrine Mulkers (coord.) Yannick Paquin (compensates Anne-Julie Toubeau) Marc Pwnik (coord.) Françoise Stas	EN [q1 or q2] [20h] [3 Credits] 
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Course prerequisites

The **table**

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.

Direct access			to provide an enrolment authorisation from the faculty/school.
Tous les autres bacheliers	If the student did not succeed Minor in Statistics, Actuarial Sciences and Data Sciences, supplementary classes: LSTAT2011, LSTAT2014 or LMAT1271	Access based on application	
Others Bachelors of the French speaking Community of Belgium			
Bachelier en sciences de l'ingénieur, orientation bioingénieur Bachelier en sciences de l'ingénieur, orientation ingénieur civil Bachelier : ingénieur de gestion Bachelier en sciences informatiques Bachelier en sciences physiques		Direct access	
Tout bachelier	Supplementary classes: LSTAT2011, LSTAT2014 or LMAT1271	Access based on application	
Bachelors of the Dutch speaking Community of Belgium			
Bachelor of Science in de bio-ingenieurswetenschappen Bachelor of Science in de toegepaste economische wetenschappen: handelsingenieur Bachelor of Science in de toegepaste economische wetenschappen Bachelor of Science in de ingenieurswetenschappen Bachelor of Science in de informatica Bachelor of Science in de wiskunde Bachelor of Science in de fysica		Direct access	
Tous les autres bacheliers	Supplementary classes: LSTAT2011, LSTAT2014 or LMAT1271	Access based on application	
Foreign Bachelors			
Tous les bacheliers	Supplementary classes: LSTAT2011, LSTAT2014 or LMAT1271	Access based on application	

Non university Bachelors

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

Holders of a 2nd cycle University degree

Subject to the acceptance of the Jury, a student may be

Diploma	Special Requirements	Access	Remarks
"Licenciés"			
Ingénieur civil (sauf ingénieur civil architecte) Sciences informatiques Sciences économiques Sciences de gestion Ingénieur de gestion Sciences actuarielles Sciences physiques Sciences mathématiques Bioingénieur		Direct access	60 activity credits and possibly Subject to the acceptance of the Jury, a student may be exempted from a maximum of 60 activity credits and possibly complete the master's degree in Statistics in a single year.

Ingénieur civil (sauf ingénieur civil architecte) Sciences informatiques Sciences économiques Sciences de gestion Ingénieur de gestion Sciences actuarielles Sciences physiques Sciences mathématiques Bioingénieur	Direct access	Subject to the acceptance of the Jury, a student may be exempted from a maximum of 60 activity credits and possibly complete the master's degree in Statistics in a single year.
Tous les autres masters	Access based on application	Subject to the acceptance of the Jury, a student may be exempted from a maximum of 60 activity credits and possibly complete the master's degree in Statistics in a single year.

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](#).

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/

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

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".

