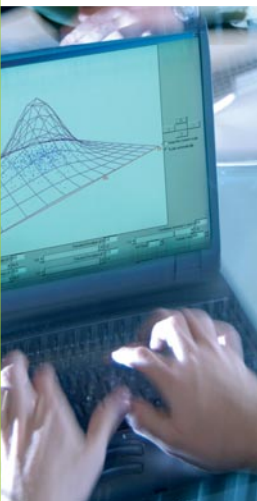




KATHOLIEKE UNIVERSITEIT  
**LEUVEN**



# Master of Statistics

Majors:

Biometrics • Social, Behavioural and Educational Statistics •  
Business Statistics • Industrial Statistics •  
General Statistical Methodology • All Round Statistics

INTERFACULTY PROGRAMME

Faculty of Science



# Katholieke Universiteit Leuven (K.U.Leuven)

In 1425, Pope Martin V promulgated the foundation bull of the Katholieke Universiteit Leuven. The university was initially modelled on the universities of Paris, Cologne and Vienna. Today, it offers an extensive range of undergraduate and graduate degree programmes to approximately 36,500 students, including 5,000 international students from over 100 different countries. More than 4,800 professors and researchers make up the university's academic staff. In recent decades, K.U.Leuven's research efforts and output have increased considerably in both quality and quantity, thus positioning Leuven at the forefront of European universities.



## The city of Leuven

Leuven is a typical university town, and many attractive student cafés and restaurants add to its charm. Leuven also hosts a variety of concerts and recitals by world-famous orchestras, ensembles and soloists as well as exhibitions of important modern Flemish painters and sculptors.

## Belgium

Belgium is an ideal base for trips throughout Europe: cities such as Paris, Strasbourg, Geneva, Venice, Cologne, London and Amsterdam are easily accessible by train. Thanks to its central location, K.U.Leuven is a truly cosmopolitan university.



# Leuven Statistics Research Centre (LStat)

In 2007, LStat grew out of UCS, which was founded in 1988 as an interfaculty institute playing a co-ordinating role between the various K.U.Leuven research groups concerned with statistics. Currently, about 25 such groups (across 11 different faculties) are involved in LStat's activities, which mainly involve teaching, research and consulting within and outside the university.

For additional information, please visit LStat's homepage: [lstat.kuleuven.be](http://lstat.kuleuven.be)

## Admission requirements

To apply for the Master of Statistics, candidates must meet the following requirements: successful completion of an academic Bachelor's degree with at least one course in introductory statistics.

As courses are taught in English, proven proficiency in English is required for non-native English speakers. The easiest way for international applicants to demonstrate proficiency in the English language is by means of the "Test of English as a Foreign Language" (TOEFL). The TOEFL is administered in more than 90 testing centres throughout the world. For information about TOEFL tests, services, policies or procedures, please consult: [www.ets.org/toefl](http://www.ets.org/toefl).

Applicants also have the option to take the "International English Language Testing System" (IELTS) exam rather than the TOEFL to prove English proficiency. For more information about IELTS testing consult the website: [www.ielts.org](http://www.ielts.org)

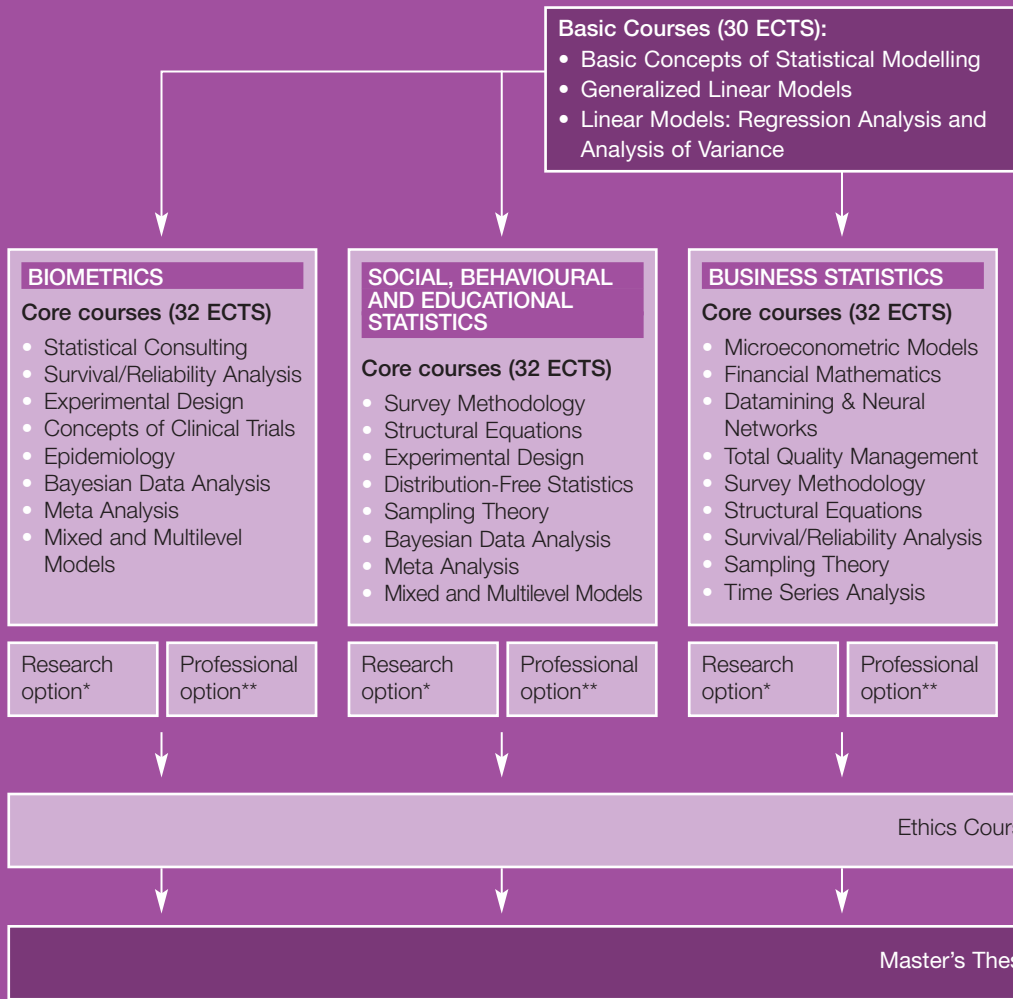
For more information on requirements and application, consult: [lstat.kuleuven.be/masterBologna/howtoapply/](http://lstat.kuleuven.be/masterBologna/howtoapply/)

### Deadline for application

The deadline for applying is 1 March. However, EEA (European Economic Area) students with the required background and language fluency may register until the end of September. Admission is granted by the Steering Committee on an individual basis.

## Programme

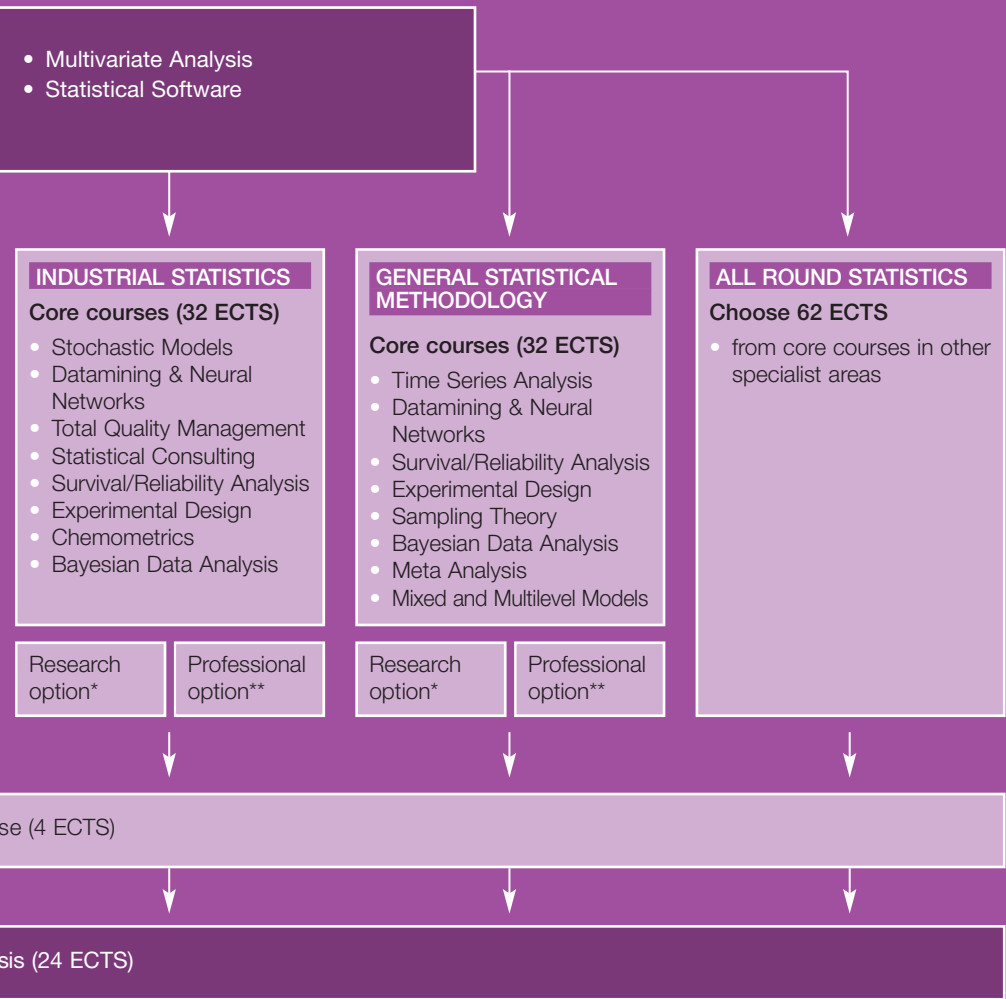
The Master of Statistics programme consists of 120 ECTS points. Generally speaking, the programme takes two years to complete, but this may be substantially reduced depending on your prior knowledge and qualifications. This Master's programme is organized in collaboration with the Master of Statistics at Hasselt University. Subject to approval by the Steering Committee, students may select a number of electives from courses offered in Hasselt.



\* Choose 30 ECTS from Statistical Modelling, Survival Data Analysis, Longitudinal Data Analysis, Bayesian Data Analysis II, Optimization and Numerical Methods, Principles of Statistical Inference, Advanced Non-Parametric Statistics.

\*\* Choose 30 ECTS from a list of elective courses. Exemption may be granted for courses already completed successfully during a previous Master's programme.

For detailed descriptions of this programme's courses and for the course timetable, please consult [www.kuleuven.be/onderwijs/aanbod/opleidingen/E](http://www.kuleuven.be/onderwijs/aanbod/opleidingen/E)



## Career prospects

As a statistician, you can pursue a career in academic research, industry, banks or in government institutions. Depending on your area of specialisation, you will, for instance, design and implement clinical trials in the biomedical sector, co-ordinate research into new medicines, develop and analyse psychological tests and surveys, perform risk-analyses in the financial sector, manage R&D projects and quality assurance or develop statistical software. The applications of statistics are very diverse, as are your professional options.

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www.kuleuven.be

## More information

[www.kuleuven.be/ma/EMASTAT](http://www.kuleuven.be/ma/EMASTAT)

[lstat.kuleuven.be/masterBologna/](http://lstat.kuleuven.be/masterBologna/)

### General information

International programmes: [www.kuleuven.be/internationalprogrammes](http://www.kuleuven.be/internationalprogrammes)

International Office: [www.kuleuven.be/english](http://www.kuleuven.be/english)

### Faculty of Science

Programme director

Professor P. Darius

Secretary of Master of Statistics

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*This brochure provides the most complete information available for this Master's programme offered by K.U.Leuven during the 2010-2011 academic year. However, small changes to the composition of the programmes may be approved after the publication of this brochure. In no way is the university legally bound by the information provided in this brochure. The most recent information on all our academic programmes can be consulted on [www.kuleuven.be/onderwijs/aanbod/opleidingen/E](http://www.kuleuven.be/onderwijs/aanbod/opleidingen/E).*

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