FACULTY OF SCIENCES

MASTER OF STATISTICS

On-Site / Distance Learning

Biostatistics
Bioinformatics
Epidemiology and Public Health Methodology
International Course Programme Biostatistics
MESSAGE FROM THE RECTOR

HASSELT UNIVERSITY: KNOWLEDGE IN ACTION

HASSELT: DYNAMIC STUDENT TOWN

MASTER OF STATISTICS

Message from the Programme Chairs

Center For Statistics: CenStat

A word from the Advisory Board

Professor Stephen W. Lagakos Course in Survival Analysis

MASTER OF STATISTICS

Biostatistics/ICP Biostatistics

Bioinformatics

Epidemiology and public health methodology

Study programme

STATCOM

JOSS

ADMISSION REQUIREMENTS

FINANCIAL ASPECTS

FACULTY
Message from the Rector

Interested in acquiring in-depth knowledge and developing professional skills? Dreaming of a successful career as a researcher? Looking for an excellent partner to collaborate with? Then you’ve come to the right place at Hasselt University!

Our university is not an island of knowledge, but rather a creative hub in a complex economic and social network consisting of large and small companies and organizations, research institutes, and other universities. We see this network as an ‘international innovation web’. Everybody in our university - students, teachers and researchers - is a vital part of this network and participates actively in it. As the world is becoming more and more globalized our graduates often end up in organizations that are active all around the world and as a university we want to prepare our students as best we can for an exciting career, in Belgium or abroad. This is why Hasselt University does not only focus on teaching knowledge, but also on lifelong employability skills such as teamwork, time management, communication skills and international experiences. By doing so we put what our university is all about, i.e. ‘Knowledge in Action’, into practice.

There are numerous reasons why Hasselt University attracts many international students & researchers. One of them is our excellent staff, who consist of leading authorities in both research and education. Another advantage is our innovative approach to university education. Our programmes are accredited by the NVAO (the Accreditation Organization of the Netherlands and Flanders) and multiple facets of these programmes have been awarded the very highest rank: excellent. They set the standard for an international level. Last but not least, the city of Hasselt is a great place to soak up student life and prepare for your professional career.

This brochure provides you with basic information on our university and programmes. We are looking forward to welcoming you.

Prof. dr. Luc De Schepper
Rector of Hasselt University
Hasselt University is an innovative university which has a pronounced international orientation. Founded in 1971, it is the youngest university in Belgium. Hasselt University stands for excellence in education, top research in spearhead fields and active commitment to innovation and entrepreneurship. The overall objective is to combine academic excellence with economic and social relevance.

The faculties of Sciences, Engineering Technology, Medicine and Life Sciences, Business Economics, Law, and Architecture and Art offer attractive undergraduate, graduate and PhD programmes at a high academic level. The courses are research-led and students participate in the university’s research programmes from an early stage. Moreover, knowledge and skills are frequently related to concrete real life situations. The programmes are supported by a range of innovative and effective teaching and learning methods. They also stimulate students to develop their full potential. Hasselt University aims at self-assured and independent professionals, equipped with the necessary skills for analysing and solving problems, working in multidisciplinary teams, chairing discussions, presenting ideas …

The research policy of Hasselt University focuses on top research in a number of spearhead fields including materials for (bio)electronics and nanotechnology, biostatistics, cleantech, environmental sciences, ICT, life sciences, open innovation and small businesses, transportation sciences and traffic safety. In these multidisciplinary domains, the research institutes of Hasselt University combine fundamental and applied research, including contract research for industry and organizations. Much attention is paid to increasing the valorization of research results and the starting up of spin-off companies. Hasselt University assumes an active role in stimulating innovative economic activities in the region, including the co-ordination of regional thematic company clusters in domains such as life sciences, renewable energy and cleantech.

Hasselt University has an extensive international network and develops joint programmes with universities in Belgium and the Netherlands. Our international students and researchers come from all over the world.
Hasselt University is situated at the heart of Europe, within a stone’s throw of cities such as Brussels, Liège (French speaking part of Belgium), Aachen (Germany) and Maastricht (the Netherlands), while Paris and London are within a couple of hundred kilometres. Hasselt University has two campuses: a green campus outside the city of Hasselt and a campus in town. Hasselt has a population of almost 75,000 and is the administrative and commercial centre of the province. Hasselt is a dynamic student town where young people feel comfortable. It organises all kinds of theatrical performances, music and pop festivals, either open air or in the well-known Ethias Arena. In addition, there is a large cinema near the campus. To get a genuine taste of Hasselt you can visit the numerous cosy restaurants and cafés dotted all over town. You can visit the Jenever (Gin) Museum, St. Quentin’s Cathedral, the prestigious Fashion Museum, the Municipal Museum and the Virga Jesse Basilica, the beautiful Japanese Garden and the town’s many green oases. Hasselt is not only the capital of taste but also of the real ‘bon vivant’!
Message from the Programme Chairs

For a quarter of a century our Master of Statistics was the gateway for around 750 graduates to start a career in (the biopharmaceutical) industry, in academia, and in governmental agencies. Variety of the need for well-trained biostatisticians, bioinformaticians, and epidemiological and public-health scientists is ever increasing, enhanced by the scientific revolution in molecular biology and genetics, and its impact on health and the environment.

The Master of Statistics of Hasselt University, with specializations: Biostatistics, Bioinformatics and Epidemiology & Public Health Methodology, keeps abreast with such evolutions. It combines a solid study of fundamental methodology with up-to-date training in topics such as clinical trials, public health, longitudinal data, survival analysis, genetics, survey methodology...

Not only the student population, also teaching faculty is multidisciplinary and international. Founding Chairman and Head of the Advisory Board, Prof. Herman Callaert: “Courses are taught by specialists in the field; we are proud to have renowned visiting faculty from abroad, teaching at Hasselt University.”

The programme is organized by the Faculty of Sciences and staffed to a large extent by the Center for Statistics (CenStat). Visiting faculty from other Belgian universities, from Europe, and from other parts of the world are invited on the basis of their state-of-the-art knowledge and on excellent teaching skills. The Master of Statistics enjoys a long-standing relationship with Harvard University, as well as with other top ranking institutions. Many of our graduates continue their studies towards a PhD, all over the world.

We welcome students with a university degree and who combine a genuine interest in an interdisciplinary training with a solid background in mathematical sciences or related fields.

We offer well-balanced, fine-tuned education with face-to-face lectures, assignments, practical work, and papers. On-site training, in industry, academia, or the government completes every programme. We maintain a network of companies and institutions, offering our students the possibility to choose a practical project that fits them best, whether in Belgium or abroad.

If you are considering intensive training towards the modern and ever-expanding profession of statistician, we are glad to welcome you to our internationally renowned Master of Statistics.

Prof. Marc Aerts
Programme chair
Director of CenStat

Prof. Geert Molenberghs
Programme co-chair
Director of I-BioStat

Prof. Tomasz Burzykowski
Programme co-chair
In the field of mathematical statistics, research is carried out in the following fields: bootstrap methods, smoothing techniques, censored data, asymptotic theory. Research in biostatistics focuses on longitudinal data analysis, clustered data, missing data, multivariate methods, clinical trials, infectious diseases, epidemiological studies, statistical genetics, and bioinformatics. The fundamental research in mathematical and applied statistics is the cornerstone of a sound analysis of real-world problems, originating from a variety of fields. Examples are: registration and analysis of data from psychiatry, public health surveys, clinical trials (cancer, AIDS, hypertension ...), epidemiological research, risk factors related to exposure to toxic substances and environment.

CenStat encompasses research, education and consultancy in mathematical statistics, biostatistics, statistical bioinformatics, epidemiology and public health methodology. CenStat provides statistical consulting for local, regional and federal government authorities, for the pharmaceutical industry and other industrial partners, for research teams from medicine, biology, chemistry, economics. Besides research and education, CenStat also offers statistical advice and support, either short or long term to other academic research groups, industry, and government.

Teaching duties for CenStat faculty members encompass, apart from the Master of Statistics, bachelor and master courses in various of the university’s programmes. CenStat members are frequently invited to figure as guest lecturer in courses of other universities and in short university courses. Industry and governmental agencies frequently call upon CenStat for their statistical permanent training course.

This educational link between CenStat and the industry, research institutes, and the government extends over a wide variety of consultancy and collaborative research relationships.

CenStat is the UHasselt division of I-BioStat (Interuniversity Institute for Biostatistics and statistical Bioinformatics).

Website:
www.uhasselt.be/centstat and www.i-ibiostat.be
Over the past three decades, the need for well-trained statisticians has steadily increased and exceeded the available supply at both the master and doctoral levels. Also in the new millennium, the rapid growth of biomedical research foretells that the role of statistics and the need for statisticians will continue to grow.

The Master of Statistics programmes of Hasselt University provide an excellent opportunity for training in modern methods of statistics and their applications. The course work is comprehensive and includes evolving subject areas such as analysis of failure time and longitudinal data. The use of visiting faculty complements the staff based at Hasselt University, and provides diverse views and opportunities for training in new developments. The picturesque environment in Flanders is further enhanced by the student body, which comes from all parts of the world and makes the environment at Hasselt University both stimulating and interesting.
MASTER OF STATISTICS

On-Site / Distance Learning
Biostatistics
Bioinformatics
Epidemiology and Public Health Methodology
International Course Programme Biostatistics

The need for well-trained biostatisticians, bioinformaticians and epidemiological and public-health scientists is ever increasing, enhanced by the scientific revolution in molecular biology and genetics, and its impact on health and the environment. Hasselt University's Master of Statistics with specializations: Biostatistics, Bioinformatics and Epidemiology & Public Health Methodology, keeps abreast of such evolutions. The master programme combines a solid study of principles of applied and biostatistics with up-to-date information on topics such as clinical trials, public health, longitudinal data, survival analysis, genetics, survey methodology... The specialization in Bioinformatics makes it possible to keep an even closer pace with the more specific professional needs and skills required due to the development of novel experimental techniques in molecular biology and genetics.

Hasselt University's Master of Statistics acquired accreditation from the prestigious Royal Statistical Society.

Graduates from accredited courses will be granted the Society's professional status of Graduate Statistician on application. Graduate Statistician is a grade of professional membership of the Society. It provides formal recognition of an individual's statistical qualifications. Graduate Statisticians will be able to further undertake suitable professional training and experience, normally for at least five years, so as to be eligible to apply for Chartered Statistician status (http://www.rss.org.uk).

FAST FACTS

- Programme
  International master programme
  Master of Statistics

- Specialization
  Biostatistics
  Bioinformatics
  Epidemiology and Public Health Methodology
  International Course Programme Biostatistics

- Duration
  Master: 2 year full-time = 120 ECTS credits
  Reduced versions up to 66 ECTS

- Start Date
  October

- Language
  English

- Learning method
  Lectures, compulsory reading, computer practice, problem-based learning, group and individual projects, weblectures, flipped classroom, Q&A session

- Assessment method
  Written exams, projects, essays, presentations, master's dissertation
STRENGTHS OF THE MASTER OF STATISTICS: BIOSTATISTICS

In the specialization Biostatistics/Biostatistics ICP sound training in modern statistical methodology, necessary for the design and analysis of biomedical and epidemiological studies, is provided. Core biostatistics courses are Longitudinal Data Analysis, Survival Analysis, and Clinical Trials. The specialization in Biostatistics has a strong research orientation. The programme of students from developing countries, with a scholarship sponsored by the University Development Cooperation Section of the Flemish Interuniversity Council (VLIR-UOS), is adapted to their specific needs and interests in the Biostatistics ICP specialization.

STUDY PROGRAMME
See page 16-17.

CAREER PROSPECTS
Over the years graduates have found positions in:
• biomedical research institutes
• the pharmaceutical industry
• government
• healthcare
• academia (PhD)
• ...

Marijke Van Moerbeke, Belgium
We were told many things during our studies, like: “there is no free lunch in statistics but there is at Janssen Pharmaceutica” and “come on guys, it is not rocket science.” However, we students, did not think it was always that easy. During the regression course in our first weeks we had professor Sotto begging us for solutions. Also, mastering the software was a challenge for most of us but with the help of the professors and friends we learned to manage. The numerous group projects helped to strengthen the bonds between the different students. We have grown over the master years. However, the biggest challenge, the thesis, was yet to come. It brought us joy when we got meaningful results, it brought us despair whenever we didn’t, as well as sleepless nights trying to figure out why. However, the results were rewarding. After two years of hard work, we can say that we did not merely “get” our diplomas, but rather that we earned them.

Not all was work, there was the symposium where we met Sir David Cox, a living legend among statisticians and beyond, there was the opportunity to visit many Belgian and foreign cities and there turned out to be a first-snow experience for many. The professors were, while giving us mountains of work, also willing to answer elaborate mails and open their office doors after an unexpected knock. It is a nice feature that the distance between students and professors is small. The Master of Statistics is a great learning experience, of course in statistics with professors whose names are known all over the world but also socially when interacting with various cultures.

FURTHER INFORMATION
Programme coordinator: prof. dr. Geert Molenberghs
geert.molenberghs@uhasselt.be
Programme coordinator ICP: prof. dr. Paul Janssen
Administration: Mrs. Martine Machiels
martine.machiels@uhasselt.be
www.uhasselt.be/master-of-statistics
STRENGTHS OF THE MASTER OF STATISTICS: BIOINFORMATICS
The rapid evolution in scientific research in genomics and proteomics continuously requires new knowledge and skills. Besides a working knowledge of molecular biology, there is the need for a specialised knowledge of, and applied skills in database management, computer programming, statistical techniques and knowledge discovery & integration. The Master of Statistics: Bioinformatics prepares graduates in such a way that they:
- Are able to design and analyse experiments aimed at obtaining genomic and proteomic data.
- Possess the necessary knowledge and skills to develop, understand and create bioinformatics software tools and databases.
- Become self-assured, independent and assertive professionals for whom analysing an issue, structuring information, working in international and multidisciplinary teams, conducting and chairing discussions and presenting ideas have become second nature.

STUDY PROGRAMME
See page 16-17.

CAREER PROSPECTS
Over the years graduates in bioinformatics have found positions in:
- biomedical research institutes
- biotech & pharma industry
- academia (PhD)
- ...

Victor Lih Jong, Cameroon
With the constant evolution of high-throughput technologies, the future of biomedical research has been projected to be at the molecular level. These advanced genomic and proteomic technologies generate large amount of data that require multi-disciplinary expertise to handle and derive useful information from the generated data. This often requires a blend of biological, database management, computer programming, data mining, and advanced statistical skills.

Despite being an intensive program, the Master of Statistics – Bioinformatics trajectory produces multi-disciplinary expertise in such a way that it provides its graduates with the necessary background and/or hands-on experience in molecular biology, database management, data mining algorithms, standard and advanced statistical modeling, reporting, communication, and, in summary, being an independent professional and a great team player.

Coming from a mathematical and computing background, this master trajectory equipped me with the relevant biological and statistical knowledge that, in turn, earned me the position of a statistical bioinformatics consultant (in charge of all high-dimensional experimental designs, data-preprocessing, data analyses, and analyses pipelines) at Erasmus University in Rotterdam and a PhD Fellow (with focus on class prediction with high-dimensional data) at Utrecht University.

FURTHER INFORMATION
Programme coordinator: prof. dr. Tomasz Burzykowski
tomasz.burzykowski@uhasselt.be
Administration: Mrs. Martine Machiels
martine.machiels@uhasselt.be
www.uhasselt.be/master-of-statistics
EPIDEMIOLOGY AND PUBLIC HEALTH METHODOLOGY

STRENGTHS OF THE MASTER OF STATISTICS: EPIDEMIOLOGY AND PUBLIC HEALTH METHODOLOGY
The specialization Epidemiology & Public Health Methodology offers a professionally-oriented programme with emphasis on epidemiology, modelling of infectious diseases and microbial risk assessment.

STUDY PROGRAMME
See page 14-15.

CAREER PROSPECTS
Over the years graduates have found positions in:
- public health institutes
- food safety agencies
- epidemiology departments
- government
- academia (PhD)
- ...

FURTHER INFORMATION
Programme coordinator:
prof. dr. Marc Aerts
marc.aerts@uhasselt.be

Administration: Mrs. Martine Machiels
martine.machiels@uhasselt.be
www.uhasselt.be/master-of-statistics

Thao Le Thi Phuong, Vietnam
Having a pharmacy background and with a strong interest in epidemiology and biostatistics, I chose the Master of Statistics program at UHasselt, ‘Epidemiology and Public Health Methodology’ trajectory to be precise, to pursue my higher education. It is a well-designed course program where statistical knowledge is systematically delivered from very fundamental statistical concepts in the first year to more complex yet interesting modeling techniques in the second year. I liked the way statistical theory is put into practice by many demanding assigned projects and homework so that one can practice statistics nearly on a daily basis. ‘Practice makes perfect’ is applied in almost every course that I took. Team work became an essential skill that one can start building from the very first day. Evidently, a good amount of time in this trajectory is dedicated to up-to-date epidemiology topics, offering insight into modeling infectious disease. Through discussion with group mates, exchanging ideas, and attending inspired classes taught by some of the most profound professors in the statistical world, made me mature further every day. I would definitely recommend this program for those who want to have a wonderful journey with statistics in epidemiology, and enjoy great companionship with people from all over the world, sharing the same interest. You will receive assistance from helpful and friendly staff and enthusiastic teachers. Countless beautiful memories of your study and stay in Belgium will be created.
FIRST YEAR

The introductory phase provides thorough fundamental knowledge of statistics. Students will become familiar with data, statistical analysis, and, first and foremost, statistical concepts and reasoning. Apart from topic related subjects, such as regression and analysis of variance, a lot of attention is devoted to group based project work.

In the first semester students of Epidemiology & Public Health Methodology and Biostatistics have 5 compulsory subjects, a group project and one optional subject.

The students of Bioinformatics have 6 compulsory subjects and a group project.

In the second semester the focus shifts from univariate models for continuous data to discrete data models and nonparametric approaches, as well as to correlated responses, combined with the discovery of associations. Within the second semester 3 subjects, 2 group projects, and an optional subject are common to all specializations. Additionally, students of Biostatistics, Bioinformatics and Epidemiology & Public Health Methodology are offered a compulsory subject specific for the specialization and an optional subject. Students of Bioinformatics are offered 1 compulsory subject which is specific for the specialization of Bioinformatics.

SECOND YEAR

The second year offers more specialized subjects, within each specialization. Contributing components to the master’s dissertation project of Biostatistics, Biostatistics ICP, are three group projects (3+3+3 ECTS) and the individual dissertation project (17 ECTS). Contributing to the master’s dissertation project of Bioinformatics are two individual projects (5+7 ECTS) and the individual dissertation project (17 ECTS). The master’s dissertation project of the Epidemiology & Public Health Methodology study consists of two group project (6+3 ECTS) and the individual dissertation project (17 ECTS). For each specialization, this master’s dissertation project is linked with an internship, scheduled in the second semester (May-August).

The university decree for Flanders is built around a credit point system that is based on the principles of ECTS. ECTS is the European Credit Transfer System. Each year of a full-time degree programme counts 60 credits. Ideally, these credits are equally spread over two semesters, i.e. 30 credits per semester. Given that the expected total study load per year ranges from 1,500 to 1,800 hours for a full-time programme, 1 credit represents a study load of 25 to 30 hours. Study load includes time spent in class, personal work and exams.

Conversion:
USA-Canada: 1 credit hour = 2 ECTS credits;
UK: 1 CATS credit = 0.5 ECTS credits.

Our program is truly international

For over more than a quarter of a century students have come from all over the world to study the Master of Statistics program at UHasselt. The world map below shows the nationality of those who graduated from our program. As this world map illustrates, by enrolling in our program, you can count on stimulating and fascinating interactions with fellow-students with a variety of cultural and linguistic backgrounds.
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**BIOINFORMATICS**

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**BIOSTATISTICS ICP**

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Information about course content: [www.uhasselt.be/studyguide](http://www.uhasselt.be/studyguide)
### EPIDEMIOLOGY & PUBLIC HEALTH METHODOLOGY

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<tr>
<td>Learning from data (group project)</td>
<td>6</td>
</tr>
<tr>
<td>Optional course</td>
<td>3</td>
</tr>
<tr>
<td><strong>Total ECTS</strong></td>
<td><strong>30</strong></td>
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<tr>
<td><strong>Semester 2</strong></td>
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<tr>
<td>Project: Multivariate and Hierarchical data</td>
<td>5</td>
</tr>
<tr>
<td>Discrete data analysis</td>
<td>4</td>
</tr>
<tr>
<td>Nonparametric methods</td>
<td>4</td>
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<tr>
<td>Concepts of Bayesian inference</td>
<td>3</td>
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<tr>
<td>Survey methods</td>
<td>5</td>
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<tr>
<td>Discovering associations (group project)</td>
<td>6</td>
</tr>
<tr>
<td>Optional course</td>
<td>3</td>
</tr>
<tr>
<td><strong>Total ECTS</strong></td>
<td><strong>30</strong></td>
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* projects contributing to the master programme
STATCOM

Students helping students to help communities

StatCom Hasselt is a student-run organization within CenStat. Students of the Master of Statistics offer statistical consulting to local non-profit organizations.

StatCom Hasselt is a member of the international StatCom Network (www.amstat.org/education/statcom/contact.html), an initiative founded in 2001 by Statisticians in the Community in Purdue University. It is strongly supported and promoted by the American Statistical Association.

StatCom Hasselt joined the network in 2007 and is the only European member. The objective of the StatCom Network is applying statistical methods and principles so as to have a positive impact on communities and institutions serving these communities, as well as to increase communication and collaboration among student statisticians engaged in service-oriented statistics. Within StatCom Hasselt, a selected group of Master of Statistics students volunteer to provide free statistical consulting to non-CenStat students in other educational programmes, as well as PhD students in other master programmes, including but not limited to biology, chemistry, life sciences and medicine.

JOSS

Joint Organization of Statistics Scholars

Imagine having to move to a new city in a foreign country. Imagine having to adapt to a completely different lifestyle: strange temperatures, strange environment, strange people, strange food, … This is one of the reasons why on June 28th 1991 a group of enthusiastic biostatisticians, decided to found Alumni Biostatistics Diepenbeek (ABD). In 2009 the name was changed to JOSS (Joint Organisation of Statistic Scholars).

With a group of energetic board members, most of them PhD students of CenStat, we try to facilitate living in a completely different environment, what Belgium for sure is for a lot of our foreign students. We also try to keep contact with the graduated students as well as with the current students and with their instructors. All are kept up-to-date through the JOSS newsletter and mailings, with announcements about social activities, fun facts, pictures and articles of previous activities.

Every academic year starts with an introduction day for the VLIR and other foreign students. During this day, we help each other to understand the many cultural differences and we make a tour through the university campus and Hasselt, the city where most of our students from abroad, will spend at least one year of their life. We end the day with a nice drink. Other activities include ice-skating (a new and exciting experience for a lot of you), soccer games, bowling, jenever feasts, end-of-exams party, city trips, go-karting and the yearly barbecue. The main goal of JOSS during all these activities is to create a relaxed and pleasant atmosphere in which it is possible to meet friends and to exchange personal experiences.

MSc in Epidemiology & Public Health Methodology, MSc in Biostatistics and MSc in Bioinformatics are three degrees you can be proud of to list them on your curriculum vitae. It is our job to make sure that working very hard and gaining a lot of useful knowledge will not be the only memories you will have after your stay at Hasselt University …

Check out our website at www.uhasselt.be/JOSS
Hasselt University applies the same policy to its international students as to its Belgian students, though there are some additional requirements. Hasselt University will assess students individually on the basis of their previous academic record and qualifications. General requirements concern diploma requirements and language requirements.

**Diploma requirements**

Students should hold at least a university diploma or degree certificate or a diploma of higher education equivalent to a bachelor degree (180 ECTS credit points). Admission can be given directly, conditionally or indirectly after finalization of a preparatory programme.

- Holders of an academic bachelor obtained from a Belgian university, in mathematics, physics, computer sciences, chemistry, biology, life sciences, bio-, business-, civil engineering are admitted directly.
- Applications of holders of a bachelor degree in mathematics, physics, computer sciences, chemistry, biology, life sciences, bio-, business-, civil engineering, medicine, sociology, psychology, artificial intelligence, biotechnology with a basic but sufficiently strong background in mathematics and statistics from other universities will be evaluated individually by the Examination Board of the programme concerning the applicant’s academic record. Depending on the diploma you obtained previously, you may have to do a preparatory programme.

**Language requirements**

Candidates who wish to register in an English language master’s programme have to demonstrate good command of English, both written and spoken. English language skills need to be confirmed by a recent score on the Test of English as Foreign Language (TOEFL) or the International English Language Testing System (IELTS) or any recognised proficiency test.

- IELTS certificate (overall band score 6.0).

The English Language Test can be waived on the basis of an interview or if English language proficiency is proven otherwise (e.g. if education or part of it was in English or if English is a national language in your home country).

**How to enrol?**

Online pre-registration is compulsory. The Examination Board will only consider duly completed application files. The application file consists of the following items:

1. Duly completed application form: [www.uhasselt.be/applicationForm](http://www.uhasselt.be/applicationForm).
2. A photocopy of the obtained diplomas or degree certificates in the original language.
3. A recent passport photograph.
4. Translation of university diploma(s) in English by an official translator.
5. Certified translated transcripts of the original records for all programmes completed at university level. The university of origin should provide the transcript of records and a statement in English which explains how the assessment marks assigned are to be converted into the standardised US-system or EU-standard ECTS-system. The translation of the transcript of records in English must be done by an official translator.
6. English-language skills need to be confirmed (see language requirements).

Applications are only processed after receipt of hard copy legalised degree certificates.

**Deadline of submission**

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<tr>
<th>EEA-students and DL Students</th>
<th>Non-EEA-students</th>
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<td>1st September</td>
<td>1st February</td>
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</table>

**FURTHER INFORMATION**

Mrs. Leen Jorissen
leen.jorissen@uhasselt.be
FINANCIAL ASPECTS

TUITION FEE

€ 890 for Belgian students
€ 1951 for EEA students

Please note: tuition fees are reviewed annually. You are strongly advised to visit our website for the most up-to-date tuition fee information.

For non-EEA-students different tuition fees may apply. Please visit our website for more information.

Reduced registration fees are possible for students from some developing countries within the framework of a co-operation between universities or other institutions (€ 105).

Special registration category (fixed fee PhD or doctorate): € 445 in the first year of registration and in the year of defence, no fee for in-between years.

PAYMENT

Applicants, who are admitted to the programme by the Examination Board, will be asked to confirm their application and to pay the tuition fee. Registration of international students is only possible after payment of the tuition fee, augmented with the premium for health insurance (only for non-EEA-students). Payment in cash or by credit card is not possible. The registration is suspended until the student has paid all outstanding registration fees.

LIVING EXPENSES

Living standards are quite high in Belgium. Therefore all international students and guests of Hasselt University are advised to make sure that they have the financial means for a stay in Belgium, before they leave their home country.

Please note that the amounts may change yearly and may vary according to your personal needs. If your partner or family members will come along to Hasselt, the extra costs need to be calculated as well.

HEALTH INSURANCE

Covering the full period of stay in Belgium, starting on the day of arrival, health insurance is compulsory for all non-EEA-students. The premium amounts to € 30/month or € 360 for 12 months.

The premium for health insurance should be paid together with the tuition fee.
FORMER VISITING FACULTY

- A. Agresti: University of Florida, Gainesville, U.S.A.
- D. Amaratunga: Johnson & Johnson, Raritan, New Jersey, U.S.A.
- A. Azzalini: University of Padua, Italy
- W. Barlow: University of Washington, Seattle, U.S.A.
- M. Becker: University of Michigan, Ann Arbor, U.S.A.
- P. Catalano: Dana-Farber Cancer Institute, Boston, U.S.A.
- A. Azzalini: University of Padua, Italy
- W. Barlow: University of Washington, Seattle, U.S.A.
- M. Becker: University of Michigan, Ann Arbor, U.S.A.
- P. Diggle: Lancaster University, Lancaster, U.K.
- R. Doornbos: Technical University Eindhoven, The Netherlands
- P. Embrechts: E.T.H. Zürich, Switzerland
- J. Ibrahim: University of North Carolina, U.S.A.
- M. Jones: University of Iowa, Iowa, U.S.A.
- T. Koepsell: University of Washington, Seattle, U.S.A.
- S.W. Lagakos (†), Harvard University, U.S.A.
- C. Lange, Harvard School of Public Health, Boston, U.S.A.
- N. Lange: Brown University, Providence, U.S.A.
- M. Lefkopoulou (†): Harvard University, Boston, U.S.A.
- D. Lin: University of Washington, Seattle, U.S.A.
- S. Lipsitz: Harvard University, Boston, U.S.A.
- P. Markel: Minot State University, Minot, U.S.A.
- M. Mouchart: Université Catholique de Louvain
- M. Nabasirye: National Agricultural Research Institute, Kampala, Uganda
- D. Neuberg: Harvard University, Boston, U.S.A.
- R. Nguti (†), ILRI, Nairobi, Kenya
- E. Schifflers: Facultés Universitaires Notre Dame de la Paix Namur
- J. Swanepoel: Potchefstroom University, South Africa
- A.A. Tsiatis: Harvard University, Boston, U.S.A.
- P. van der Heijden: Utrecht University, The Netherlands
- P. van der Laan: Technical University Eindhoven, The Netherlands
- M. Vuylsteke: Katholieke Universiteit Leuven
- C. van Duijn: Erasmus Universiteit Rotterdam, The Netherlands
- L.J. Wei: Harvard University, Boston, U.S.A.

Chairman of Biostatistics: Professor Geert Molenberghs

Chairman of Bioinformatics: Professor Tomasz Burzykowski

Chairman of Epidemiology, Public Health Methodology & overall chairman: Professor Marc Aerts

Coordinator VLIR International Course Program in Biostatistics: Professor Paul Janssen

TEACHING STAFF BASED AT HASSELT UNIVERSITY


BELGIAN VISITING FACULTY

- L. Bijnens, Janssen Pharmaceutica, Beerse
- M. Buyse, International Drug Development Institute, Brussels
- L. Duchateau, Universiteit Gent
- H. Geys, Janssen Pharmaceutica, Beerse
- C. Legrand, Université Catholique de Louvain
- E. Lesaffre, Katholieke Universiteit Leuven
- C. Sotto, Janssen Pharmaceutica, Beerse
- W. Talloen, Janssen Pharmaceutica, Beerse
- D. Valkenborg, VITO, Mol
- I. Van Keilegom, Université Catholique de Louvain
- G. Verbeke, Katholieke Universiteit Leuven
- J. Weyler, Universiteit Antwerpen

INTERNATIONAL VISITING FACULTY

- C. Demétrio, ESALQ, Sao Paolo, Brazil
- J. Houwing-Duistermaat, Leiden University Medical Centre, The Netherlands
- K. Zuma, HSRC, South Africa

ADVISORY BOARD

- H. Callaert, Universiteit Hasselt
- Sir David R. Cox, Oxford University, U.K.
- S.W. Lagakos (†), Harvard University, U.S.A.