

Equipped for the future

A guide to Belgium's top higher
education programmes in English



FEB
Federation of
Enterprises in
Belgium

Acknowledgements

This brochure is the product of the efforts and cooperation of many, many people – too many in fact to name all of them. We would like to warmly thank the institutions featured in this brochure. This publication would have been impossible without their contributions of content and photographic material. We also wish to express our particular gratitude to all those who gave this project financial support.

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Studying in the heart of Europe

an experience that is both enriching and enjoyable

The world around us is changing at incredible speed under the influence of economic, political, demographic and technological forces. To have the flexibility to capitalise on this fast-moving environment and be ready to face the challenges of tomorrow, young people, and young professionals in particular, need appropriate knowledge and skills. Here education – especially higher and executive education – plays a key role.

Higher education institutions in Belgium attach great importance to the quality of their programmes and of their teaching staff and constantly encourage their students to broaden their horizons. Therefore it should come as no surprise that they enjoy an outstanding reputation on the international stage. The intensive cooperation between Belgium's many universities, business schools and research institutes and their close ties with the business community ensure that students find a particularly stimulating climate in our country in which they can develop their talents to the full.

Moreover, as the political centre of the European Union, Belgium is host to countless private and public pan-European and global organisations and is therefore a prime location for making international contacts and an excellent place to build a professional network. Furthermore, since Belgium is a safe country to live in with an open, multicultural society, international students immediately feel at home here.

This brochure gives you a taste of what Belgium has to offer in the field of higher education. Only a selection of the many higher education institutions in Belgium and their extensive and varied range of programmes taught in English is featured here.

Credit must be given to Elizabeth De Wandeler and her team for their outstanding and meticulous work. I would like to thank her for the commitment and determination she has shown in successfully completing this project.

We hope this brochure will convince you that studying in our country is an unforgettable, enriching and enjoyable experience.

Welcome to Belgium!

Rudi Thomaes
Chief Executive Officer Federation of Enterprises in Belgium (FEB)



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1 Why study in Belgium?



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Five reasons for choosing Belgium

The heart of Europe

As home to the European Commission, the European Council, NATO and many other international institutions, **Brussels**, the capital of Belgium, is without a shadow of a doubt the *de-facto* **capital of Europe**. Indeed, along with Washington DC, Brussels plays host to more diplomats and international journalists than any other city in the world.

Belgium is not only situated in the heart of Europe, but also in one of the world's

most densely populated and prosperous areas. No wonder then that it is a **major business location**. Brussels alone for example boasts many hundreds of international companies, enjoying the advantages of Belgium's high productivity rates. Furthermore, Belgium is a logistics centre and a major hub for the distribution of goods and services: Antwerp is the fourth largest seaport in the world, while the Liège river port is also a key part of

Europe's waterway infrastructure.

This **unique, very global orientation** makes Belgium an important centre for international networking activity and opens up a whole array of opportunities and possibilities to young graduates and executive students.



High-quality education at an affordable price



Educational institutions in Belgium are **renowned worldwide** and hold their own in the authoritative rankings compiled by the Financial Times and the Times Higher Education magazine. Their respected place on the world academic stage is due in part to the **keen attention to quality** that has always been a key element of the Belgian education system. In fact, higher education institutions in Belgium not only perform regular self-assessments, but they have also developed an external quality assurance system, involving in many cases international assessors. Moreover, in Belgium, the institutions frequently consult their students to ensure that the quality of education improves year on year. Furthermore, a stimulating environment is created by the institutions' close ties with the business community. All this together with the high standard of lecturers – many of them active on the international stage – ensures that students can develop to their full potential.

What's more, unlike in many other countries, in Belgium you do not have to pay a fortune for such high-quality education. **Enrolment fees** remain highly **affordable** due to the massive investments in education that are made by the authorities in Belgium. The result is that it is difficult to find an institution anywhere else in the world that matches the **outstanding price to quality ratio** of the Belgian education establishments.

Research at the core

Belgium has a **strong research culture**. There is an enduring tradition of quality academic research in the universities, and lecturers dedicate much of their time to research, which is one of their core tasks alongside teaching. Moreover, when recruiting and assessing lecturers, both their research and teaching work are taken into account, which encourages them to continue undertaking research and broadening their knowledge base. In classes, critically minded students provide interesting perspectives and – without knowing it – spur their lecturers to undertake further research. This leads to a **fruitful interaction between teaching and research**, yielding enormous benefits for students. ▶

An open and multicultural society

For several years now, the Swiss KOF index – which takes into account the economic, social and political aspects of globalisation – has rated Belgium the most globalised country in the world. Its location at the crossroads between the Germanic, Romance and Anglo-Saxon worlds and its centuries of experience of international trade have made Belgium the **open, multicultural society** it is today. This situation is clearly illustrated by Belgium's amazing multilingualism, widespread use of English



and its cosmopolitan population, of which 9% have foreign citizenship.

All these factors help to generate huge educational benefits. Close cooperation between students and lecturers of different nationalities and cultures, both inside and outside the classroom, provides **students** with an education that gives them an **open-minded perspective on the world** and a **unique advantage on the labour market**.

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of the education system

- In addition, Belgium boasts many **research institutes**, which are among **the most respected** of their kind **worldwide** in fields such as biotechnology, nanotechnology, nuclear



science and tropical medicine, and which attract PhD students from well beyond the country's borders. On average, one in three PhD students in Belgium comes from abroad, leading to an intensive exchange of knowledge and ideas, and adding an extra international dimension to the research community.

A great place to live

Belgium is an attractive and **safe place** to live, with an extremely **high quality of life** and a healthcare system that is among the best in the world. In the ranking compiled by the Mercer Quality of Living 2010 survey, which is based on almost 40 indicators, Brussels is 15th. Alongside Brussels, Belgium is home to many other fashionable cities, such as Antwerp, Bruges, Ghent, Liège and Namur, all of them bursting with energy and creativity. Their rich cultural heritage and longstanding, constant care for the environment and numerous green spaces make them very attractive places to explore, while the country's excellent cuisine and countless beers offer something to please all palates. What's more, from Belgium you can quickly and easily discover the rest of Europe – Paris, Amsterdam and London are all on the doorstep, being less than two hours by train from Brussels.

Yet, in spite of its many advantages, Belgium remains a **highly affordable country** to live in. For example, the Mercer Cost of Living 2009 survey ranks Brussels 41st in a list of the world's 50 most expensive cities, lagging far behind big cities such as Paris and London, but also Geneva, Copenhagen and Amsterdam.



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Belgium: some facts and figures

GEOGRAPHY

Surface area:	30,528km ² ¹
Geography:	located in North-West Europe, with borders with the Netherlands, Germany, France and Luxembourg
Climate:	average daytime temperature between 3.1°C (January) and 17.7°C (August) ²
Time zone:	CET (Central European Time)

POLITICS

Political system:	parliamentary democracy under a constitutional monarchy
Structure of the state:	a federal state consisting of three Communities (the French Community, the Flemish Community and the German-speaking Community) and three Regions (the Flemish Region, the Walloon Region and the Brussels-Capital Region)
Capital city:	Brussels

DEMOGRAPHICS

Total population:	10.7 million inhabitants, including almost 1 million with foreign citizenship (2008) ³
Population density:	349 inhabitants per km ² (2008) ³ (one of the highest in the world)
Official languages:	Dutch, French and German
Religion:	freedom of religion, enshrined in the Belgian constitution

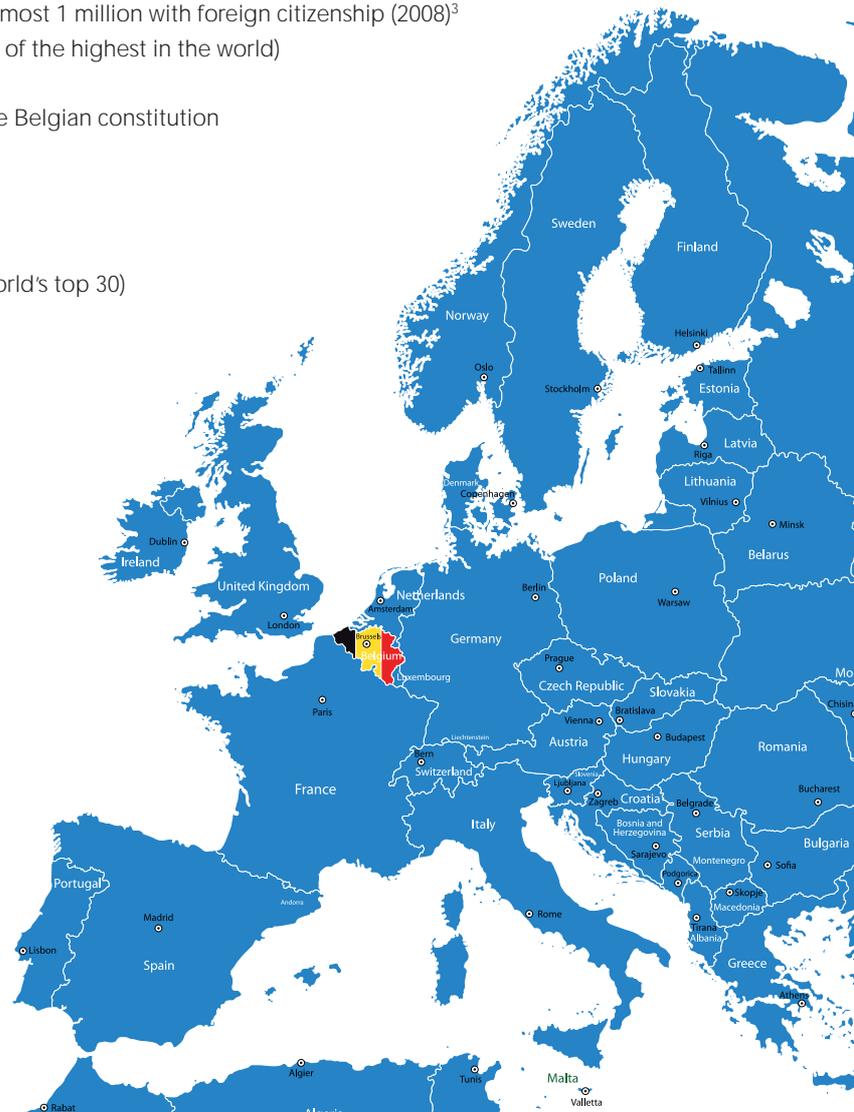
ECONOMY

Currency:	euro (€)
GDP*:	€337.2 billion (2009) ⁴ (among the world's top 30)
GDP per capita:	€31,300 (2009) ⁴
Exports:	74.2% of GDP (2009) ⁵
Direct investment:	flows inward: 23.7% of GDP (2008) ⁶

* Gross Domestic Product

Sources:

- 1 www.belgium.be
- 2 Royal Meteorological Institute of Belgium
- 3 FPS Economy, SMEs, Self-employed and Energy
- 4 Eurostat
- 5 National Bank of Belgium
- 6 IMD World Competitiveness Yearbook 2009

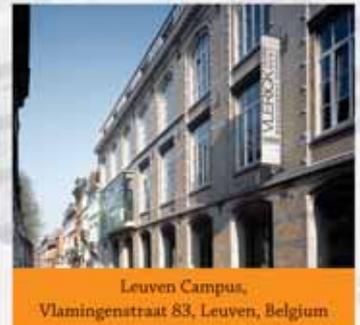


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academic excellence



Key Facts & Figures

- 28 mio turnover
- 3 Campuses: Gent & Leuven (Belgium) and St. Petersburg (Russia)
- 500 MBA & Master students
- 7,100 executives
- 100 company-specific programmes
- 75 faculty members, of which 25 international faculty
- 14,000 alumni in more than 100 countries

Discover our English management programmes:
www.vlerick.com

The higher education system in Belgium

The higher education system in Belgium is part of the so-called European Higher Education Area established by the Bologna Process, which launched a uniform European framework for higher education studies. It comprises three 'cycles': the first encompasses Bachelor programmes; the second, Master programmes; and the third, PhDs.

The extent of these programmes is expressed by means of European Credit Transfer and Accumulation System (ECTS) credits. One credit is equivalent to between 25 and 30 hours of student work, i.e. the time spent in class, in tutorials and on private study (including revision and examinations). Sixty ECTS credits correspond to an entire academic year, which involves between 1,500 and 1,800 hours of study.

However, there is some flexibility built into the system: students can, subject to certain restrictions, decide on how many courses they take in an academic year, so for example by participating in fewer courses one year, they can spread their studies over a longer period. Moreover, exemptions can be granted based on credits or experience gained elsewhere.

There are several types of higher education institutions in Belgium: universities, university colleges and postgraduate training institutions. This brochure covers only a limited number of them.

Belgium is a federal State comprising Regions and Communities. The Communities are based on language and therefore have sole responsibility for education. Belgium has three Communities: the Flemish Community, the French Community and the German-speaking Community.

For more information, see the following websites:

- Studying in Flanders: www.studyinlanders.be
- Studying in the French Community: www.studyinbelgium.be
- Studying in the German-speaking Community: www.dglive.be/en

The structure of university degrees

Bachelor degree

During a Bachelor degree, students receive a general training alongside their programme in the subject they have chosen. The first 'cycle' involves at least three years of study (180 ECTS credits) and results in a Bachelor degree qualification.

Master degree

A student who has just obtained a Bachelor degree can immediately supplement it with a second 'cycle' of studies, i.e. a Master degree, consisting of at least 60, and in many cases 120, ECTS credits. Some study programmes, such as medicine, are even longer (up to 240 ECTS credits). Master programmes entail interaction between teaching and research and aim to provide students with advanced knowledge and skills in a specific field. The Master programme concludes with a dissertation.

Advanced Master degree

An Advanced Master degree involves

acquiring a specialised professional qualification. Students can take this programme after completing a Master programme. Advanced Master programmes are worth at least 60 ECTS credits and are rounded off with a Master's dissertation, which forms an important part of their assessment.

Postgraduate programmes

Postgraduate programmes aim, within the framework of further vocational

Erasmus Mundus



Erasmus Mundus Master programmes are organised by a consortium of at least three universities in different European countries. Students attend at least two of the universities involved, thus obtaining a double, multiple or joint degree. An Erasmus Mundus programme generally lasts one to two years. These programmes were selected for funding by the European Commission on the basis of their academic excellence.

For more information, see eacea.ec.europa.eu/erasmus_mundus

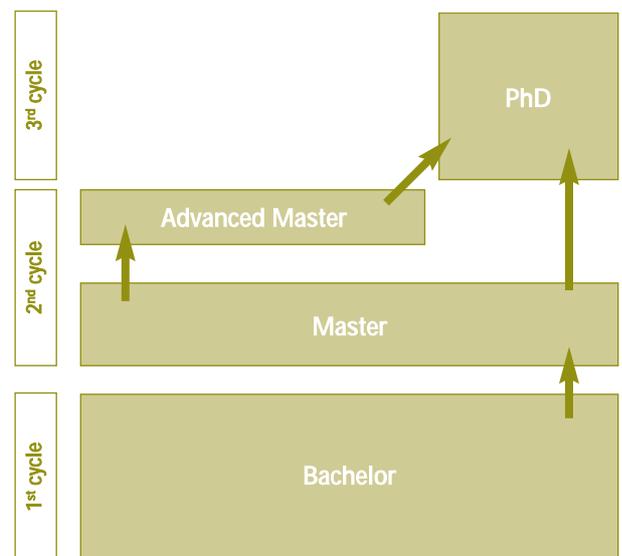
- ▶ training, to broaden and/or consolidate the skills acquired following a Bachelor or Master programme. A certificate is issued after a programme comprising at least 20 ECTS credits.

PhD

A PhD is the highest qualification awarded by universities in Belgium and culminates in the public presentation and discussion of a thesis whose aim is to make a significant contribution to the development and growth of academic knowledge. As well as preparing their thesis, PhD students take a PhD training programme through which they acquire a number of additional skills that could be useful in their subsequent career in academia or elsewhere. All PhDs are conducted under the watchful eye of a supervisor, who can provide appropriate support and who ensures that the research is going smoothly.

For more information about undertaking a PhD in Belgium, see the section “Doing a PhD in Belgium” on p. 86. ●

Schematic diagram



Recognition of a qualification

If you have obtained a higher education degree abroad and would like to register at a higher education institution in Belgium to round off your education, you probably want to know whether your foreign degree will be recognized in Belgium. To find out about this, please contact the institution in Belgium where you are planning to continue your studies. If they cannot help you, you can always get in touch with the National Academic Recognition and Information Centre (NARIC) in the Community where you are going to study, i.e.:

- in Flanders, **NARIC-Flanders**:
www.ond.vlaanderen.be/NARIC/ (mainly in Dutch);
- in the French Community: **NARIC of the French Community of Belgium**:

www.enseignement.be/index.php?page=24808&navi=2087 (in French);

- in the German-speaking Community: **Ministerium der Deutschsprachigen Gemeinschaft Belgiens** (Ministry of the German-speaking Community of Belgium):
www.bildungsserver.be (in German).

Meanwhile, to acquire certification that a degree awarded in Belgium is equivalent to a degree abroad, you can contact the NARIC in the relevant country. The centre there can provide you with full information about the procedure to follow. To see a full list of NARICs, see www.enic-naric.net.

Working after your studies

For English-speaking professionals, Belgium is one of the best places in Europe to work. Belgium is home to the EU, NATO and many other international institutions – each one of them attractive employers with a large number of staff. In addition, Belgian companies and the numerous European head offices of multinationals in Belgium offer exciting career prospects in future-oriented sectors such as clean-tech and pharmaceuticals, to name just a couple of examples. Furthermore, the country has a number of excellent research centres that provide a welcoming environment for researchers from all four corners of the world.

In Belgium, help to bridge the gap between student life and a career is available from many quarters. A brief description of two sources of assistance is given below.

Careers services

Career guidance during your studies and beyond

Higher education institutions in Belgium have careers services that offer a wide

range of activities and facilities to prepare students for making the big step from student life to their first job or for embarking on a new career avenue. These services organise workshops that provide practical advice on job interviews and how to structure a CV clearly, as well as information sessions on the various sectors of the economy. In many cases, students can consult a database of job vacancies on the institution's website and publish a CV online. Furthermore, students are notified of job days, career fairs and networking events, where they will be put directly in touch with companies.

Recruitment firms

Your partner in the search for the perfect job

Many multinationals as well as smaller companies with an international dimension that are based in Belgium look for candidates with experience abroad or a multicultural background. In many cases, they use recruitment, search and selection firms to find well-qualified candidates. These firms search for high-potential candidates, as well as highly specialised

senior staff who speak English fluently and want to work in an international environment. To this end, many of these firms hire personnel directly from higher education institutions.

These specialist firms differ from others in adopting a personal approach. Using an in-depth screening process, they try to achieve a perfect match between the specific skills, attitude and character traits of the candidate and the relevant company's requirements.

However, the role of recruitment firms goes beyond finding you the perfect job. They also provide appropriate guidance and advice with regard to e.g. social legislation and the documents required to obtain a work or residence permit. In other words, such firms act as a confidant and facilitator for candidates, smoothing the way for them to move onto the Belgian labour market.

For a list of recruitment firms, please go to the website of Federgon, the Belgian Federation of Partners for Work: www.federgon.be/fr/federation/membres (in French) and then click "Commission Recruitment Search & Selection". ●

Some formalities to bear in mind

There are many job options open to anyone wanting to work in Belgium. But to go ahead, you do need to hold a number of documents and follow a series of procedures. The exact details depend for the most part on the following three factors: your nationality and country of residence; the length of your stay; and your professional status in Belgium (employee

or self-employed). There are also specific, fast-track procedures in place for highly-qualified workers and researchers.

i You can find further information on the following websites:

- www.belgium.be/en/work
- www.socialsecurity.be

An interview with a Belgian entrepreneur

Belgium fosters young talent

Your studies are over – you have your degree, and you want to work in a line of business offering exciting prospects where you can fully develop your abilities. Then maybe the life science industry is what you are looking for. In Belgium this sector, numbering more than 200 companies including world-famous names such as GlaxoSmithKline Biologicals, Janssen Pharmaceutica, Pfizer, UCB and many others, is a real centre of excellence. We spoke to the President and General Manager of GlaxoSmithKline Biologicals (GSK Biologicals), Jean Stephenne, about his constant quest for top talent.

Why is the Belgian pharmaceutical industry so appealing to young university graduates?

Stephenne: “The pharmaceutical industry has long been a cornerstone of the Belgian economy, and its importance is still growing. It currently employs 30,000 workers, which is about 5% of the country's total workforce. Of them, around 65% have a university degree and some 6,000 work in R&D.”

So it is a highly sought-after sector for employees then?

Stephenne: “For many years it has consistently been among the top three employment sectors in Belgium. Of course that is partly because it has a unique selling point: a job in the pharmaceutical industry means working not only in a high-tech sector but also for a very noble purpose, namely improving the health of people around the world.”



“New staff find a stimulating international environment here” Jean Stephenne, President and General Manager of GlaxoSmithKline Biologicals

And I believe you are also constantly spotting new talent?

Stephenne: “Attracting talent is extremely important, indeed essential, for us to develop as a company, and so we welcome young talent with open arms. Currently, our Belgian facilities hire 500 employees each year, and no fewer than

40 nationalities are represented in our research teams in Belgium, meaning that new staff find a stimulating international environment here. What's more, the authorities in Belgium strive to promote innovation. In recent years, they have created a legal and fiscal climate that is conducive to attracting even more research, and therefore also more researchers, to Belgium.”

So that means the Belgian division of GSK Biologicals plays a major role in the GlaxoSmithKline Group?

Stephenne: “Belgium is home to the international headquarters of the group's vaccines division, which employs 7,000 people, including 1,600 researchers, spread over three sites. GSK Biologicals is one of the leading global vaccine developers and manufacturers, supplying around 25% of vaccines worldwide, and we plan to invest around €2 billion in our vaccines operations over the next three years. Furthermore, GSK Biologicals is the only company in the world

that is working on the three diseases regarded as priorities by the World Health Organisation: AIDS, tuberculosis and malaria. All this means that the growth of the GlaxoSmithKline Group will very much depend on the success of our vaccines division.”

I guess that raises your international profile.

Stephenne: “It certainly does! Belgium is also the world's second biggest exporter of pharmaceutical products, above economic superpowers like the USA, the UK and France, and comes seventh in the ranking of major investors in biopharmaceutical R&D. Each year, no less than €2 billion is invested in R&D. Per capita, Belgium has the highest number of medicines under development in the world, as well as the most clinical tests. Over the last few years, Belgian pharmaceutical-industry laboratories have made significant breakthroughs with regard to the main global epidemics. Furthermore, the sector in Belgium has achieved considerable successes in discovering compounds to fight infectious diseases and other conditions such as schizophrenia, epilepsy, developing cancer drugs and immunotherapy and combating immune deficiency. In a nutshell, talented individuals who want to help to develop healthcare around the world have good opportunities and a very attractive work environment here.”

An interview with a Belgian entrepreneur

Size doesn't matter

Belgium is mainly a country of small and medium-sized enterprises (SMEs) and has numerous family businesses which are handed down from one generation to the next. Working in an SME differs from working in a large company but provides even more opportunities to fully develop your talents. Many Belgian SMEs are world leaders in their field. We interviewed AppliTek CEO **David Laurier** and came to the conclusion that size doesn't matter.

What does AppliTek do?

Laurier: "AppliTek manufactures on-line analytical equipment for biological water treatment processes, environmental compliance and process applications in the chemical, petrochemical, water utility, oil/gas and food industries and many more. AppliTek technology means that the quality of water or the composition of a liquid or gas can be measured on-line 24 hours a day, seven days a week. This round-the-clock monitoring is extremely important in that it enables us to prevent certain biological processes that occur for example during water purification from going wrong."

Environmental awareness is growing throughout the world.

Laurier: "The clean-tech sector is now an important part of the economy. Not just that - we have the wind in our sails: according to a study conducted by WWF and Roland Berger, by 2020 we will be one of the biggest sectors, alongside the automotive and electronics industries."

And how are European and Belgian companies doing?

Laurier: "Very well. A study carried out by INSEAD shows that European indus-

try is leading the world in the field of eco-innovation. The European Union is doing very well in terms of for example the number of patent registrations for motor vehicle abatement technologies and renewable energy. European companies hold



respectively 51% and 45% of all patents in the world in these domains, which is considerably more than the USA and Japan. Belgian companies are performing strongly and in many cases are pioneers in tackling the challenges of a 'greener'

So you also look for staff who feel at home in an international environment?

Laurier: "To effectively serve our worldwide customer base, we indeed look for individuals with an open-minded view of the world and who can work with people from different cultures. AppliTek currently employs about 35 highly skilled members of staff. Our vacancies are only published in English, and there are candidates who come from abroad. Knowing Dutch and French is of course an advantage for jobs in our offices in Belgium but is by no means essential for a range of positions in our company, where English is increasingly the main working language."

"To effectively serve our worldwide customer base, we indeed look for individuals with an open-minded view of the world and who can work with people from different cultures" David Laurier, CEO of AppliTek

and more energy-efficient economy. We are the fourth biggest exporter of eco-solutions in Europe. That makes us an important player."

How international is AppliTek itself?

Laurier: "We are active in all parts of the world. I personally spend over half of my time abroad making new contacts, launching projects and visiting our customers, who are spread over more than 120 countries in the Americas, Europe, the Middle East, Africa and the Asia-Pacific region. Our customers include companies such as Solvay, Bayer, Coca-Cola, Exxon, Ford Motor Company, Volvo, Samsung and many others. Our limited domestic market forces us to seek opportunities and export worldwide."

Working in an SME differs from working in a large company.

Laurier: "Working in an SME has many benefits. SMEs have a flat, fairly non-hierarchical structure, and staff have direct contact with the management. So you see the results of your efforts for the company faster. Employees of small companies are said to be happier than their counterparts in larger organisations. In any case, you feel much more involved, and generally the decision-making process is also quicker. In short, your impact on the company is greater, which is something that is really appreciated by young staff in particular."



Solvay Brussels School
Economics & Management



A leading business school in the heart of Europe

Solvay Brussels School of Economics and Management (SBS-EM) is a leading business school and research hub located in the capital of Europe. Its key mission is to provide high quality education and research in the disciplines of economics and management at an international level.

Founded in 1903 by Ernest Solvay, the school has built a strong tradition of excellence and innovation in business and economics learning, fuelled by deep connections within Brussels multinational entrepreneurial network. This is clearly evidenced by the large number of practitioner lecturers and a clear focus on applied research.

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Management School - University of Liege

Useful links

Do you want to know more about Belgium and its education system? If so, the following websites may be of interest to you.

General information

About Belgium

- www.belgium.be

About its Regions and Communities

- Flanders: www.flanders.be
- Walloon Region: www.wallonie.be/en/discover-wallonia/index.html
- Brussels-Capital Region: www.bruxelles.irisnet.be
- French Community: www.cfwb.be (in French)
- German-speaking Community: www.dg.be/en/

Studying in Belgium

General information

Studying in Belgium

- www.belgium.be/en/education/

Studying in Flanders

- www.studyinlanders.be
- www.highereducation.be
- www.ond.vlaanderen.be/english/
- Flemish Interuniversity Council: www.vlir.be (partly in English)
- Council of Flemish University Colleges: www.vlhora.be (partly in English)

Studying in the French Community

- www.studyinbelgium.be
- www.enseignement.be (in French)
- www.ciuf.be (in French)

Studying in the German-speaking Community

- www.dglive.be/en

Doing a PhD in Belgium

Doing a PhD in Flanders:

- www.studyinlanders.be/en/information-on-research/research/
- www.doctorereninvlaanderen.be (in Dutch)

Doing a PhD in the French Community

- www.ciuf.be (in French)
- www1.frs-fnrs.be (in French)

Grants and scholarships

- www.ond.vlaanderen.be/english
- www.ciuf.be (in French)
- diplomatie.belgium.be/en/policy/development_cooperation/grants/
- Also see “Research, research centres and research funding in Belgium” below

Recognition of degrees

- NARIC-Flanders: www.ond.vlaanderen.be/NARIC/ (mainly in Dutch)
- NARIC of the French Community of Belgium: www.enseignement.be/index.php?page=24808&navi=2087 (in French)
- Ministry of the German-speaking Community of Belgium: www.bildungsserver.be (in German)
- www.enic-naric.net

Research, research centres and research funding in Belgium

- Belgian Science Policy: www.belspo.be
- Belgian National Euraxess Portal: www.euraxess.be
- Department of Economy, Science and Innovation of the Flemish Government: www.ewi-vlaanderen.be/en
- Research Foundation Flanders (FWO): www.fwo.be (and then click ‘English’ at the top right of the page)
- Agency for Innovation by Science and Technology (Flanders): www.iwt.be/english/welcome
- Gateway to Research and Technologies in Wallonia: recherche-technologie.wallonie.be/?LANG=en
- Fonds de la Recherche Scientifique – FNRS (F.R.S-FNRS) (French Community): www1.frs-fnrs.be (in French)
- Institute for the Encouragement of Scientific Research and Innovation of Brussels (IRSIB): www.iwoib.irisnet.be/index_en.htm

Practicalities of your stay in Belgium

- Travel documents: diplomatie.belgium.be/en/services/travel_to_belgium
- Accommodation: please see your host institution's website
- Student jobs: www.belgium.be/en/work/student_jobs

Working in Belgium after your studies

- www.belgium.be/en/work/
- www.employment.belgium.be
- www.socialsecurity.be
- www.limosabe.be
- www.flanders.be, then click “Working in Flanders”
- www.wallonie.be/en/citoyens/travailler/index.html (in French)
- www.brussel.irisnet.be/en/citoyens/home/travailler.shtml
- ec.europa.eu/eures

Tourism in Belgium

- www.visitbelgium.com
- www.visitflanders.be
- www.belgium-tourism.be or www.opt.be
- www.brusselsinternational.be

A list of Belgian embassies and of Belgian consulates in your home country as well as of your country's diplomatic missions in Belgium can be found by going to www.diplomatie.belgium.be/en and then clicking “Embassies and consulates” .

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2 A selection of Belgium's top higher education institutions



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Note: All the figures in the descriptions on the institutions relate to the academic year 2009-2010, unless stated otherwise.

An overview

BUSINESS SCHOOLS



1 Antwerp Management School



2 HEC Management School - University of Liege



3 Louvain School of Management



4 Solvay Brussels School of Economics and Management



5 Vlerick Leuven Gent Management School

UNIVERSITIES



1 Ghent University



6 University of Antwerp



2 Hasselt University



7 University of Leuven



3 HUB-KU Brussel



8 University of Liège



4 Université catholique de Louvain



9 University of Mons



5 Université libre de Bruxelles



10 Vrije Universiteit Brussel

RESEARCH INSTITUTES



1 Institute of Tropical Medicine



Five Belgian business schools and seven good reasons for choosing them

“Very fertile ground for accumulating knowledge”

There is no doubt about it – a thorough knowledge of business and management, whether acquired through a Master, an MBA or an Executive Education programme, is an advantage on the labour market. Practice-oriented training programmes in particular, focusing on managerial competences and fostering a broad, international perspective, are an asset. For a perfect mix of these factors, the following five Belgian business schools are the place for you.

1. Strong academic background providing for concrete quality

“Our school is part of a 600-year-old university. The quality of programmes, the willingness to explore multidisciplinary perspectives and the critical acumen in Belgian management schools are often linked to a solid academic background. If our leaders had had a broader view of things, the global economy might not have collapsed the way it did”, says **Alain Vas**, the Director of the Louvain School of Management (LSM). *“A strong university bridges all disciplines. It allows us to work with lecturers who give students an overall view as well as the necessary techniques.”*

The Belgian business schools covered by this article all work within a similar framework, with close links to at least one university and often several institutes of higher education. They mostly emerged from mergers or alliances with universities or their faculties. The schools' quality of education revolves around clearly defined values, such as excellence, openness, ethics and a critical mind. *“We developed five centres of excellence (innovation & entrepreneurship, marketing,*

asset management, supply chain and information technology) that focus on research, executive education, corporate relations and specialised areas of expertise in Master programmes”, explains Alain Vas about his business school.

Meanwhile, accreditation has gained considerable importance as a benchmark for quality and effectiveness. *“Accreditation is a must, though as such it has little in-*

“We are pragmatically combining academic knowledge with corporate expertise” Thomas Froehlicher, HEC Management School – University of Liege

trinsic value”, states **Phillippe Naert**, the Dean of the Antwerp Management School. *“The Association to Advance Collegiate Schools of Business (AACSB) has drawn up a list of 600 business schools worldwide that meet a set of minimal standards. Inclusion in the list does not guarantee high quality, but it is a necessity for schools that want to attract students from all over the world, as we do.”*

“The increase in student mobility has made rigorous accreditation unavoidable for business schools”, indicates **Mathias Dewatripont**, the Director of Solvay Brus-

sels School of Economics and Management. Several Belgian business schools received EQUIS, AACSB or AMBA accreditation. Indeed, they all have or are in process of gaining some form of international accreditation. This involves follow-up on an annual basis and a thorough inspection every five years. *“Our accreditations show the business world that we offer value for money”,* says **Philippe Haspelslagh**, the Dean of Vlerick Leuven Gent Management School, who is especially proud that his school is one of the top 15 schools in Europe with ‘the triple crown’, meaning that it is accredited by the three major systems. *“We were pioneers in that field”,* he explains.

Thomas Froehlicher, the Dean of HEC Management School – University of Liege, was previously the dean of a French management school for 10 years, and can therefore make a comparison. *“Belgium boasts remarkable academic quality - higher than in many other places. The management schools here are nurtured by the universities to which they are closely linked. But at the same time, their governance is very sound and a strong autonomy almost sacred. There*

is no gap between their high academic quality level and the practical use of what is learned. On the contrary, we are pragmatically combining academic knowledge with corporate expertise. That is how we create excellence that will last in the long term", says Froehlicher, who is in charge of a school with over a century of experience in both domains. His Belgian colleagues agree.

"We make sure we employ enough academic experts, but we also ensure they stay abreast of developments in the business world", explains Philippe Naert (Antwerp Management School). "Some business schools are not supported by a university faculty, whilst others do not have a real link with the business world. We have both", Philippe Haspeslagh, whose school has close links with two major universities. The other four business schools are in a similar position.

No wonder that Belgian business schools obtain good or very good scores in rankings - on their own or as part of a global management training alliance - although they themselves do not regard these rankings as very important. "Quality depends first and foremost on what the student is looking for", believes Philippe Naert. "It cannot be defined by objective criteria alone."

2. A small country thriving on its international dimension

These results are not a foregone conclusion for schools operating in a small country. But Belgium knows how to capitalise on its strengths. Belgians sometimes say their country is the size of a napkin. But as the capital of the

European Union, Brussels attracts a massive volume of international business traffic and is a major centre of decision-making. "We have good relations with European institutions and other satellite organisations. Many European profes-

"Classes are often given by top practitioners in the field, who offer the students traineeships in their companies" Mathias Dewatripont, Solvay Brussels School of Economics and Management

sors combine their trips to Brussels with a lecture at a business school", states Mathias Dewatripont (Solvay Brussels School). Belgian management schools often offer their programmes entirely in

"Students who excel can take the Master in International Management (CEMS MIM), which was first in the Financial Times ranking in 2009. We send students on exchange programmes to business schools in 137 cities around the globe.

We also offer an "International Business: Global Leaders" track (one year abroad) with half a year in a business school and half a year doing a traineeship in a global company. It is the best way of preparing students for an

international career", states Alain Vas (Louvain School of Management).

Due to Belgium's small size, going abroad means travelling only a few hours



English. Students can participate in at least one exchange programme and undertake one high-level traineeship of half a year, mostly abroad.

to get not just across the border, but to major financial and economic centres such as London, Paris and Frankfurt. Belgians are renowned for their know- ►►

►► ledge of several languages and offer many of their education programmes in English. Today, according to the figures of the schools, 15% to 20% of the students on their programmes are from abroad, and that percentage is on the increase. Vlerick Leuven Gent Management

programme in Leuven, which also includes a three-week exchange with our MBA in China”, the Dean points out.

A school like HEC Management School – University of Liege has developed close collaboration with fast-growing

school in Moscow (Russia). A supply chain management programme was set up with schools in Georgia (USA) and Singapore. *“We make a difference by specialising”, Philippe Naert sums up.*

“Besides very good management teaching, students here get to develop an international network of colleagues and possibly contacts or even friends for life” Philippe Haspeslagh, Vlerick Leuven Gent Management School

School has its own campus in Saint Petersburg (Russia) with an MBA programme that attracts about 70 students each year. This school also runs BIMBA, the Beijing International MBA in collaboration with Peking University. *“These connections offer plenty of opportunities for student exchanges. They enable these students to experience the real challenges of cross cultural management. We have students of more than 40 nationalities on our international MBA*

economies such as Vietnam and Bulgaria (Sofia). Louvain School of Management offers an international EMBA programme including three study trips to Brazil, China and Eastern Europe. At Antwerp Management School, 80% of the students on the Master in Global Management programme are from abroad. Its so-called local Executive MBA is complemented by an international programme and close collaboration with a management

3. Business orientation

Being a small but strategically located country has its advantages in terms of developing a corporate network around and within the management schools. *“Belgium is a place where you can easily make use of many nearby corporate and business networks”, Mathias Dewatripont (Solvay Brussels School) observes. “Classes are often given by top practitioners in the field, who offer the students traineeships in their companies. The faculty itself has a lot of contact with the business world. Renowned entrepreneurs and firms sponsor several chairs. They also help to improve the management school's own quality.”*

The same goes for other Belgian management schools. *“Our Governance Council brings together 20 CEOs who are closely involved with our management school. Furthermore, HEC Management School – University of Liege has the use of a room similar to that of financial institutions. The Trading Room gives students the opportunity to considerably enhance their knowledge and to better link theory to practice. It consists of 21 workstations and the financial data are supplied virtually in real time. It is also used by our researchers”, states Thomas Froehlicher. His colleague Philippe Naert (Antwerp Management School) argues: “Some management schools seldom listen very carefully to*



what their business customers are really saying and asking for, whereas we think this is crucial. The ever louder cry for a return on the investment made in training and learning has nurtured the need for tailor-made solutions, which we have offered for quite a few years now. Such solutions allow us to train the clients' management to transform their organisations themselves, which is a very tangible way of creating a return."

A quarter of the income at Philippe Haspeslagh's school (Vlerick) comes from applied research in the form of partnerships with the corporate world. *"We have organised our teaching and research in 26 thematic clusters, in which we join forces with companies. All students carry out projects and actual consulting assignments in companies."*

4. Networking opportunities

For many years, alumni associations in several Belgian business schools have kept alive a tradition of intensive networking. Some of them were already subdivided into sections, while others have been developing their organisation in recent years. The size of the country and the density of companies allows for many contacts. *"Schools, faculties and professors contribute to exchanges with colleagues. Sharing resources and contacts has become part and parcel of our schools"*, notes Philippe Naert (Antwerp Management School). *"Besides very good management teaching, students here get to develop an international network of colleagues and possibly contacts or even friends for life"*, indicates Philippe Haspeslagh (Vlerick). His alumni network now has

14,000 alumni and 10 international 'chapters'.

Alain Vas reports: *"LSM is a member of the CEMS network (a partnership of 27 top universities and 61 global corporations) that brings together management schools in Europe and around the world, including HEC Paris, the London School of Economics, ESADE in Barcelona, Università Bocconi in Milan and Tsinghua University in Beijing. We are the Belgian member of this prestigious network, with a strong global student base, an international careers forum and a worldwide alumni association."*

5. Special attention for the human and ethical dimensions

For those looking for the real human touch in their management training, Belgium seems to be the place to be. *"Business schools are often criticised because they supposedly accentuate the 'hard' business aspects in management far too much. But we emphasise the human dimension"*, says Philippe

"We focus on the personal development path of the student, thereby making him or her employable for people management functions much sooner" Philippe Naert, Antwerp Management School.

Naert (Antwerp Management School). *"We focus on the personal development path of the student, thereby making him or her employable for people management functions much sooner. Students get a real feel for human relations and teamwork, by getting to know themself-*



ves first, and by training their negotiation capacities and other soft skills."

A school such as Louvain School of Management prides itself on its focus on ethics, expressed in its motto *"Excellence & Ethics in Business"*. *"That is not a new approach for us. This awareness has always been part of our genetic make-up. It was translated into several programmes, and it also resulted in a Corporate Social Responsibility course having been*

integrated into all our programmes for many years. Ethics is not a marketing gimmick we recently introduced in our curricula", emphasises Director Alain Vas. *"The same goes for the critical acumen in the school and the tendency to evaluate techniques and models."* ▶▶

- *We do not take anything for granted. This attitude also means we pay a lot of attention to the so-called soft skills."*

The human dimension is more important than ever before when coming out of an economic crisis, according to Mathias Dewatripont (Solvay Brussels School). *"Nowadays, a lot of attention is paid to the balance between short and long term interests. The human dimension has traditionally been important, and the ethical aspects have even been strengthened in recent years."*

Vlerick is going one step further with its 'Giving Back' programme. Every MBA student undertakes unpaid work for a non-governmental or non-profit organisation for one month, at the end of their one-year programme. *"Our schools are not just about business - they also provide very necessary management input to public and non-profit organisations",* Philippe Haspeslagh concludes. *"Besides, we do not just transfer technical knowledge, but train our students to exercise sound judgment and personal ethics."*

6. Follow-up is crucial and the return is fundamental

"We focus on teaching students how to become leaders rather than managers. Managers run 'things', leaders lead people", states Alain Vas (Louvain School of Management). His counterpart Mathias Dewatripont (Solvay Brussels School) points out that delivering good value for money is fundamental. *"The best way to demonstrate this value is with objective data, such as rankings and good SWOT results."*



The five Belgian business schools all pay special attention to their career management services, but for obvious ethical reasons only in full-time programmes. *"Our career management services are as important as our rankings",* says Philippe Haspeslagh (Vlerick). *"We provide constant support to students, resulting in almost 100% of students three months after graduation having their first job or a better position than before their programme. Moreover, tuition fees for the programme are relatively low."*

"But the most important service we offer is that we help students, who are mostly thirty-something, to make a major transition in their career and reach a milestone. The training programme, and everything connected with it, helps students to find out whether, how and what they would like to change in their careers. The programmes of longer duration offer them personal development, as well as more insight; in other words, a better understanding of themselves. The students have a wonderful year - a real sabbatical, rich in social added value. This kind of return is as important as the manage-

ment knowledge with which they go back home."

7. Much more than MBA programmes

Some business schools have developed a joint e-learning platform, meaning that students can study for many courses wherever and whenever they want to. The e-learning programmes cover a very wide range of subjects. The LOLA portal site of the HEC Management School – University of Liege offers over 400 modules for self-study. Vlerick built a similar package with CrossKnowledge. *"Blended learning allows for distance learning with an interactive approach",* according to Thomas Froehlicher (HEC Management School – University of Liege), who developed a joint online MBA programme with Louvain School of Management and Solvay Brussels School (Virtual Campus in Management).

The Belgian business schools also offer an impressive diversity of Bachelor and



Master programmes. They cover areas as diverse as economics, statistics, physics, chemistry and law, to mention just a few. Mathias Dewatripont emphasises the scope of the Executive Education programmes, which take in areas such as finance, information technology, marketing, property management and tax management. His Solvay Brussels School also set up a consortium for financial transaction programmes with the European headquarters of SWIFT, Euroclear, Banksys and the Bank of New York.

The degree in business engineering is unique to Belgium. *"This very well-respected programme, which attracts outstanding students from all over the world, is a speciality in which we excel"*, says Dewatripont. *"We combine a solid technical schooling with business and management education in one programme. It includes a strong scientific background. Lots of civil engineers learn the ropes as a manager that way."*

A few Belgian schools also developed a PhD programme, providing a qualification with worldwide recognition. *"Some*

consider it more important than the MBA degree", notes Thomas Froehlicher. *"The programme combines knowledge-gathering with practical experience. Many managers take such a programme when they are at a crossroads in their career and it is time to evaluate their own experience and aspirations."*

Summary

With his experience in France, Thomas Froehlicher has no difficulty in pinpointing the unique selling proposition of Belgian management schools. *"They are very experienced in offering immersion in the day-to-day reality of companies. They broaden one's horizons vis-à-vis the intercultural aspects of management and are highly oriented towards soft skills. They have a stronger international dimension than management schools in France, with for instance almost all lecturers having teaching experience abroad and speaking several languages."*

His colleagues at Vlerick and Antwerp Management School also have many years' experience at management

"We focus on teaching students how to become leaders rather than managers. Managers run 'things', leaders lead people" Alain Vas, Louvain School of Management.

schools abroad. They have a few other advantages of Belgium to add. *"As a former dean in a renowned European management school abroad, I have come to the conclusion that the management lecturers in Belgium are of a*



very high quality", states Philippe Naert (Antwerp Management School). *"It is no coincidence, because no other country in the world has so many managers and professors with a management degree at the most renowned business schools in the world, such as Harvard. The result is that you will find many Belgian professors in top schools. Apparently, this country provides very fertile ground for accumulating knowledge."*

Moreover, living in Belgium is almost sure to be a pleasant experience. *"Our very liveable cities are just a stone's throw apart. You really must visit them to see how pleasant and beautiful they are"*, says Philippe Haspelslagh (Vlerick), whose career previously took him to Harvard,

Stanford and INSEAD. *"Our smaller business schools stayed true to their original goals and values, to what they were meant to be and what they could still mean in the future."* ●



Antwerp Management School

About us

The Antwerp Management School is a young and ambitious business school **in the hub of Europe**. Building on the long tradition of academic learning of its parent institution the University of Antwerp, the school has already carved out an important place for itself on the international stage. In fact, it also has a campus in the Russian capital, Moscow.

Its **AACSB (and NVAO) accreditation** are evidence of the institution's process of continuous improvement and its relentless ambition to achieve greater quality.

Its growth and success are mainly driven by its passion for management and by its commitment to develop and promote (young) managerial talent. The school aims to prepare future managers for key roles in the global business community and passionately promotes **entrepreneurship, leadership and professionalism**.

Our location in Antwerp – a welcoming, vibrant and creative city with an international outlook – plays an important role in supporting these efforts. The close collaboration with the University of Antwerp's Faculty of Management and Economics and Faculty of Political and Social Sciences enables it to offer an extensive range of high-quality development courses. The school prides itself on the combination of academic and scientific excellence provided by its courses, which are **tailored to real-life business practices**.

Facts and figures

STUDENTS

Total number of students: 480 students on Master's programmes and Executive programmes of at least one year.

Number of international students: 186 international students from 33 countries around the world.

STAFF

The academic staff are drawn from the University of

Antwerp and from reputable business schools in Belgium and abroad.

EDUCATION PROGRAMMES

Number of programmes: 12 Master's programmes, 13 'Master Classes' and a number of Executive programmes and seminars.

Programmes taught in English: 16.



"Studying at the Antwerp Management School is truly a life-changing experience! The diverse and international group of students is an incredible asset and makes all the hard work very interesting and rewarding"

Hianny Romero
(Bolivia, Master of Finance, Class of 2009)

Facilities and services

Throughout the year, the **Career Management Service** helps full-time Master's students shape their future careers by providing them with the insights and tools they need to find their ideal job. In interactive workshops and seminars and during vibrant networking activities with companies and alumni, students work on honing and implementing their career objectives. In addition to career guidance, students immediately embark on an intensive '**personal development track**', which helps them to increase their self-awareness and encourages them to develop their teamwork, interpersonal capabilities and crucial management skills. All of these elements make a vital contribution to enhancing their effectiveness as individuals and in their working life.

"It was refreshing, intriguing, challenging, mind boosting, to work with people from a different cultural, educational background and age. The Executive MBA programme influenced me very much the way I manage our teams, our projects and our objectives"

Didier Rotsaert (General Manager BeLux IMS HEALTH®, EMBA, Class of 2003)



Education programmes

A small selection of the programmes is given below:

- Master of Finance - see p. 62.
- Master of Global Management - see p. 63.
- Master of Management, Product Innovation and Entrepreneurship - see p. 64.
- Part-time Executive Master in Enterprise IT Architecture - see p. 65.
- Part-time Executive Master in IT Governance & Assurance - see p. 65.
- Part-time Executive MBA - see p. 59.
- Executive education - see p. 66.
- PhD in cooperation with a university - see p. 86.

For the full range, please see the university website.

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HEC Management School - University of Liege

About us

With its prime location in the hub of Europe, the HEC Management School - University of Liege (HEC-ULg) has a long intellectual tradition coupled with a corporate culture and links with the business community. HEC-ULg has **2,500 students** and **15 research units and centres**, which are active across Europe in the various fields of management.

The school aims to prepare students and professionals for international executive careers through its academically demanding, multicultural and international syllabus with its managerial focus.

HEC-ULg has **three key strategic objectives**: to strive for academic excellence; to foster international relations; and to ensure the relevance of its programmes and activities to a managerial career.

To this end, HEC-ULg provides undergraduate and postgraduate training programmes and conducts research activities, while promoting those human values, behaviours and attitudes that are essential for managers. Its strategic guidelines place a lot of emphasis on consistency between research, teaching and serving the community.

Six 'peaks of excellence' give the school its strategic identity:

Asset & Risk Management; Social Enterprises & the Social Economy; Economic Analysis & Public Governance; Supply Chain Management & Quantitative Methods; Tax Institute; and HR Management & Organizational Change.



"One of the options in our Master in Management Sciences is entrepreneurship. It consists of five field missions conducted in companies and focusing on a set of entrepreneurial subjects"

Thomas Froehlicher,
Director-General and Dean of HEC-ULg

Facts and figures

STUDENTS

Total number of students: 2,500.

Percentage of international students: 15%.

STAFF

Number of staff: 59 full-time and 94 part-time teaching staff (including 30 from abroad); there are also 64 PhD students working in the school.

EDUCATION PROGRAMMES

Total number of programmes: three Bachelor's and Master's

programmes, each with a range of specialisations, and a number of executive and company-specific programmes.

RESEARCH

Number of PhD students: 70 in 2009.

Number of researchers: 130 researchers under contract in 2009.

Number of scientific publications: approximately 200 in 2009.

Facilities and services

HEC-ULg has well-equipped facilities: several computer rooms; a wealth of bibliographical resources; and a **'Trading Room'** with 25 workstations connected to real-time national and international market prices and providing financial simulations. In fact, it is the only trading room in Belgium boasting such facilities (continuous access to financial data from Bloomberg, E-Signal and Datastream). It is also open to companies who want to use it as a learning and/or research laboratory. The school has a **Careers Service** to facilitate the recruitment of managers. It is available to employers as well as to graduates and students of the school.

HEC-ULg has developed a **complete e-learning platform** that promotes interaction between teachers and students and between students themselves (group work), giving them the chance to develop forum-based courses and exercises.

Partnerships with companies mean that **grants** can be awarded to our students abroad or to visiting foreign students.



A special partnership with business and society

Ever since it was founded in 1898 by a number of large companies in the region, HEC-ULg has maintained and developed a special partnership with business and society; indeed, this is an integral part of its ethos. In

fact, companies are even involved in managerial decision-making. In the 2008-2009 academic year, 83 lecturers from the business community or civil society were invited to share their experiences with our students. Part-

nerships with companies and society at large take a range of forms: pedagogical innovation projects (training courses, dissertations, in-company projects, etc.), research collaborations, traineeships, and so on.

Education programmes

A small selection of the programmes is given below:

- Master in Business Engineering - see p. 61.
- Master in Economics - see p. 74.
- Master in Management Sciences - see p. 64.
- Executive MBA - see p. 58.
- PhD - see p. 86.

For the full range, please see the university website.

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Louvain School of Management

About us

The Louvain School of Management (LSM), the business school of the UCLouvain, is spread over four campuses (Louvain-la-Neuve, Namur, Mons and Brussels). The school has 200 professors or equivalent full-time staff and researchers, including 61 core professors. The Louvain School of Management is an international business school in a university setting. Each year, 1,200 students, including about 145 international students, take our Master's or PhD programme in French or English. Research undertaken by the school – led by its staff and mainly organised around our five centres of excellence – is published in more than 100 academic articles in journals each year.

Reflecting Belgium's **cultural** and **linguistic** diversity, LSM's **programmes** are provided:

- in a fully-fledged university environment, offering opportunities for meaningful interdisciplinary and multicultural exchanges;
- close to the political capital of the European Union and the EU's decision-makers;
- as academic programmes with their roots in centres of excellence and in-house research;
- as personalised programmes, including highly specialised options;
- by a large affiliated faculty staff from the business community and the political world;
- on the basis of active and participatory teaching methods;
- in the spirit of a long humanist tradition that is now being applied to topical issues;
- as good preparation for the many challenges involved in an international career;
- focusing on putting human values at the heart of decision-making.

Our goals

As successful business people need more than just their brains being fed with useful information, we ensure that students are also able to foster high-quality interpersonal relationships. Learning social and personal skills and dealing with the social responsibilities involved in working at a company are core components of our programme. The aim is to help our students to fulfil their professional goals.



Facts and figures

STUDENTS

Total number of students: 1,200 Master's students and 200 executive programme students.

Number of international students: 145, coming from all parts of the world.

STAFF

Number of academic staff: 200 professors or equivalent full-time staff and researchers, including 61 core professors.

Number of nationalities: 15, hailing from all four corners of the world.

EDUCATION PROGRAMMES

Number of programmes: four graduate Master's programmes, PhD programmes and international executive MBA programmes, and six executive education programmes.

RESEARCH

Number of PhDs: 35 PhD theses in the period 2007-2009.

Number of scientific publications: 94 academic articles in international refereed journals from 2007 to 2009.

Facilities and services

Boasting a lively and friendly city **campus**, the university offers most of the international LSM students accommodation in Louvain-la-Neuve, where they enjoy the benefits of the **resources**, **cultural activities** and diversity of a special-purpose university city. Louvain-la-Neuve is **20 minutes from Brussels**, the political capital of the European Union. For UCL's 23,000 students and the city's current but ever-growing population of 13,000, Louvain-la-Neuve, or 'LLN', **offers a plethora of cultural and leisure activities** and facilities, e.g. live theatre, music, sports clubs and a wide range of services and shops (including a shopping centre). The unique architecture of the centre of Louvain-la-Neuve gives top priority to **pedestrians**, making it a very pleasant place to live.



Global Alliance in Management Education: a unique opportunity

LSM is a member of the Community of European Management Schools (CEMS), a strategic alliance of major international management schools

and companies. Together they offer a specific programme called the 'Master in International Management' (MIM). The success of this

joint programme is such that it was ranked as the best European Master's by the Financial Times in 2009.

Education programmes

A small selection of the programmes is given below:

- Master in Business Engineering - see p. 61.
- Master in Management Science - see p. 64.
- International Executive MBA - see p. 58.
- Executive education - see p. 66.
- PhD - see p. 86.

For the full range, please see the university website.

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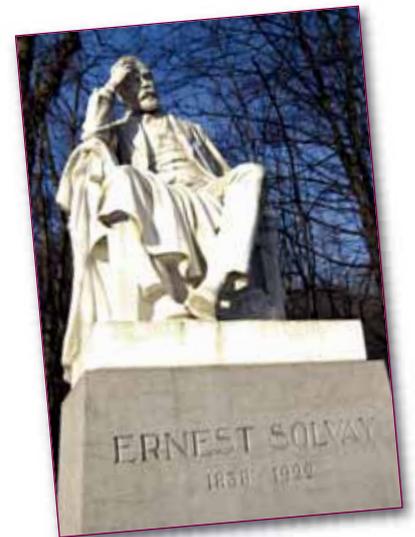
Solvay Brussels School of Economics and Management

About us

The Solvay Brussels School of Economics and Management (SBS-EM) is the business school of the Université libre de Bruxelles (ULB), one of the largest universities in Belgium. Each year the school, which is **EQUIS**- and **AMBA**-accredited, welcomes more than **3,700 students**, participating in **over 30 programmes** including the Bachelor's, Master's, Solvay MBA, executive education and in-company programmes. SBS-EM arose from the merger between the Solvay Business School and ULB's Department of Economics. The school combines the outstanding strengths of its two forerunners, both in terms of its undergraduate and executive programmes and its research and expertise in economics and management. Buoyed by these key assets, SBS-EM has emerged as a leading Belgian and international educational institution in these fields.

SBS-EM is guided by:

- a mission to train professional and responsible stakeholders and meet society's governance, efficiency and innovation needs;
- a commitment to scientific and pedagogical excellence;
- an openness to society at large and to ongoing contacts with practitioners in the field, companies and government bodies;
- a belief that management is nothing without economic reasoning and economics is nothing without an understanding of business.



Ernest Solvay (1838-1922)

Belgian chemist, industrialist and philanthropist and founder of the Solvay Business School.

Facts and figures

STUDENTS

Number of students: 2,700 Bachelor's and Master's students and 1,000 executive education programme students.
Number of nationalities: students from more than 25 countries.

STAFF

Number of staff: 51 full-time academic staff and 420 top managers and professionals acting as guest lecturers.
Percentage of international staff: more than 30%.

EDUCATION PROGRAMMES

Total number of programmes: two Bachelor's degrees, five Master's degrees and 34 executive education programmes.
Programmes taught in English: 22.

RESEARCH

Research centres: three internationally renowned research centres: Centre Emile Bernheim, Dulbea and ECARES.
Number of scientific publications: more than 1,000 papers, books and articles published over the past five years.
Number of PhDs: 60 PhDs awarded over the past five years.

Facilities and services

SBS-EM is set in one of the most attractive locations in **Brussels**. Close to the Bois de la Cambre, the green lung of the city, the School is just 15 minutes from the city centre by public transport. For its teaching activities SBS-EM mainly uses the **ULB** buildings on the university's central Solbosch campus, including a new building designed to be a unique place of education and research where the SBS-EM community, students, teaching staff and researchers can draw on the technologies of tomorrow. It combines the kind of technological and environmental aspects which are typical of buildings featuring **prestigious and symbolic architecture**. SBS-EM has a **wide range of assets**: scholarships, library access, sports facilities, coaching and career services, etc.



Why SBS-EM?

- No. 1 in Belgium: the Master's in Management was ranked first in Belgium and 14th in Europe by the Financial Times in 2009.
- EQUIS-accredited.
- AMBA-accredited.
- A total of 73 exchange agreements with universities around the world.
- More than 18,000 alumni.

Education programmes

A small selection of the programmes is given below:

- European Microfinance programme - see p. 60.
- Master of Business & Technology - see p. 61.
- MBA programme - see p. 58.
- Executive education - see p. 67.
- PhD - see p. 86.

For the full range, please see the university website.

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Vlerick Leuven Gent Management School

About us

Vlerick Leuven Gent Management School, with campuses in Ghent and Leuven (Belgium) and Saint Petersburg (Russia), is **ranked by the Financial Times as one of the top 10 management schools in Europe**. As the autonomous management school of Ghent University and KULeuven, the school also boasts major **international alliances** with universities and business schools all over the world, such as Beijing University (China) and HEC Montréal (Canada). Vlerick, which was founded in 1953 by professor and entrepreneur André Vlerick, has been Belgium's leading management school for over half a century. **Research** plays a central role in the school's mission. Faculty members and research staff work on a variety of research initiatives, resulting in academic publications, management cases and textbooks. The school has an annual turnover of €29.5 million, 500 MBA and Masters students, 5,500 enrolments for executive education, 81 company-specific programmes and 170 members of staff. Vlerick advocates **life-long learning**. The school provides learning which is designed to have an impact and which meets the highest quality standards. Vlerick is one of only a select group of institutions to hold the three main **international quality accreditations** (AACSB, AMBA and EQUIS), and over 14,000 **active alumni** in more than 100 countries are proof of Vlerick's global success.



One school, three campuses
in Ghent and Leuven (Belgium) and
Saint Petersburg (Russia)

Facts and figures

STUDENTS

Number of students: about 500 MBA and Masters students from 45 countries, plus 5,500 participants in executive development programmes.

STAFF

Number of staff: 170 members of staff (including 76 faculty members) in five competence centres. Most of them have a PhD.

EDUCATION PROGRAMMES

Total number of programmes: 168 programmes (87 open

programmes (including MBA & Masters programmes) and 81 company-specific programmes).

Programmes taught in English: 92.

RESEARCH

Number of publications (2009): 93 peer-reviewed international publications, 8 new books by Vlerick authors and 8 cases added to the ECCH Case Management Collection.

Research participation: six core research platforms, seven Chairs, four centres of excellence, contract research, student research projects.

Facilities and services

Careers Service

The Careers Service helps to develop students' personal career management skills and also acts as a recruitment platform for global companies.

Companies who want to recruit our Masters or MBA graduates can communicate with our office in a number of ways: participate in our careers fair(s) or MBA recruitment day, give a company presentation or a workshop, browse our student CV database, post a job vacancy, etc.

Student projects

The in-company student project is the crucial final stage in our MBA and Masters programmes. During the project, the company can capitalise on the knowledge, skills and experience our students have acquired both during their courses and prior to the programme.

Campus services

The library, the Swets Knowledge Exchange Centre, is an essential information resource to support management research and education activities.



“We provide excellence in research as well as in our academic programmes”

Prof. Dr. Philippe Haspeslagh, Dean of Vlerick Leuven Gent Management School

Education programmes

A small selection of the programmes is given below:

- Masters in Financial Management - see p. 62.
- Masters in General Management - see p. 62.
- Masters in Marketing Management - see p. 65.
- MBA programme - see p. 59.
- Executive education - see p. 67.
- PhD in cooperation with a university - see p. 86.

For the full range, please see the university website.

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Ghent University

About us

Ghent University (UGent) is one of the leading higher education and research institutions in the Low Countries. Located in a historical, student-friendly city in the cultural and economic hub of Europe, Ghent University is an active partner in a number of national and **international** educational, scientific and industrial cooperation networks.

Ghent University's 11 faculties consist of more than 130 departments, offering high-quality, **research-based** courses in a wide range of academic disciplines.

Ghent University is one of the most socially committed and **pluralistic** universities in Belgium. In its creative, development-oriented educational and research environment it encourages its students to adopt a critical attitude. This approach, combined with a strong international perspective, is evident in the university's broad spectrum of high-quality research-based educational programmes. These elements make Ghent University the fastest growing university in Flanders.



Over the years eminent scientists such as Joseph Plateau (pioneer in the development of motion pictures), Leo Baekeland (inventor of Bakelite), Corneel Heymans (Nobel Prize winner in Medicine) and Marc Van Montagu (pioneer in Genetics) studied and worked at Ghent University.

Facts and figures

STUDENTS

Total number of students: more than 33,700.
Number of international students: 3,006.

STAFF

Number of staff: approx. 7,300 staff members, including 2,777 academic staff members and 2,010 externally financed researchers.

EDUCATION PROGRAMMES

Total number of programmes: more than 300 (Bachelor, Master, Advanced Master, etc.).
Programmes taught in English: 27 programmes.

RESEARCH

Number of PhD students: 3,279, including 691 foreign students (21%).

Education programmes

A small selection of the programmes is given below:

- Common European Master's Course in Biomedical Engineering (Erasmus Mundus) - see p. 71.
- International Master of Science in Rural Development (Erasmus Mundus) - see p. 76.
- Master of Advanced Studies in European Law (Advanced Master) - see p. 68.
- Master of Science in Marine Biodiversity and Conservation (Erasmus Mundus) - see p. 79.
- Master of Science in Photonics (Erasmus Mundus) - see p. 79.
- PhD - see p. 86.

For the full range, please see the university website.

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Hasselt University

About us

Hasselt University – established in 1971 – is an independent, enterprising university that chooses to emphasise **proactive education**, outstanding **research in priority areas** and its strong **international focus**.

The university, which is located in the Belgian part of the 'Euregion', numbers some 3,000 students, of whom 10% are international students, and 760 staff members.

Degrees are awarded in four faculties (Sciences, Medicine, Business Economics and Law). The university has twelve Bachelor programmes, eight Master programmes and five Master programmes taught in English.



Education programmes

A small selection of the programmes is given below:

- Master of Statistics - see p. 80.
- Master of Transportation Sciences - see p. 84.
- PhD - see p. 86.

For the full range, please see the university website.

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HUB-KUB Brussel

About us

HUB-KUB Brussel (HUB-KUB) is part of **Hogeschool-Universiteit Brussel** (the product of the merger between three Brussels-based university colleges and one university (KUB or Catholic University Brussels)) and is a member of the K.U.Leuven Association. **The quality of education** provided by HUB-KUB is demonstrated by the institution's ISO 9001 certification for its **high academic standards** and **excellent service to students**. Located in Brussels, the political and economic heart of the European Union, the institution promotes a culture in which students are placed centre stage and offers a number of academic programmes, including one in English.



Education programmes

- Master of Quantitative Analysis in the Social Sciences (Advanced Master) - see p. 75.

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Universit  catholique de Louvain

About us

Founded in 1425, the Universit  catholique de Louvain (UCL) is one of the oldest universities in Europe. Today, almost half of all French-speaking Belgian university graduates study at UCL, and each year it attracts nearly 4,000 students from around the globe. With 14 faculties and more than 100 degree courses, UCL provides an education for students **in all disciplines**, from beginners through to PhD level and beyond, in the form of adult continuing education programmes. Teaching is based on solid research and the university promotes and develops innovation, especially in the Master and PhD programmes. UCL's campuses offer a **high-quality working environment**. To improve the integration of international students into their study and living environment, UCL has a welcome programme (involving giving them help with finding accommodation, completing enrolment formalities, etc.). UCL is also one of the 22 European universities to have been awarded the ECTS label by the European Commission, in recognition of the quality of its management of international exchanges.



Joining forces

The Universit  catholique de Louvain, the Facult s universitaires Notre-Dame de la Paix (Namur), the Facult s Saint-Louis (Brussels) and the Facult s universitaires catholiques de Mons will soon merge into one university - UCLouvain - with a view to providing the best possible range of education programmes and the best possible research. The four partners already lay on several joint Master programmes taught partly in English. www.academielouvain.be

Facts and figures

STUDENTS

Total number of students: more than 23,000.
Number of international students: around 4,000 from 122 countries.

STAFF

Number of staff: 5,000.

EDUCATION PROGRAMMES

Number of programmes: 203 Master and 63 Advanced Master programmes.

RESEARCH

Number of PhDs: 212 PhDs awarded in 2008-2009.
Number of research units: 21 institutes and 52 research centres.
Number of scientific publications: around 9,700 scientific papers (2008-2009).

Education programmes

A small selection of the programmes is given below:

- Master in Computer Engineering - see p. 77.
- Master in Computer Science - see p. 77.
- Master in Economics: Econometrics - see p. 74.
- PhD - see p. 86.

For the full range, please see the university website.

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ULB Université libre de Bruxelles

About us

At the Université libre de Bruxelles (ULB), over **22,000 students** - including more than **6,000 international students** - prepare for their future careers. The ULB, whose **nine faculties** and institutes cover all disciplines, offers some of its courses in collaboration with the University of Mons and is developing a range of **English-language Masters** programmes with the Vrije Universiteit Brussel (VUB). The university is also working on a policy of **special partnerships** with prestigious universities (Berkeley, British Columbia, Cambridge, Collège de France, Fudan, Montreal, Oxford, Paris VI and Waseda) and is involved in numerous **international programmes** that aim to promote research and development and academic mobility. The ULB's **teaching** is complemented by its pioneering **research**, which has led to many awards, including three out of Belgium's five Nobel prizes.

The ULB actively involves its students in its decision-making bodies. As well as broad-based teaching, students can, throughout their studies, make use of a wide range of **services and facilities** on spacious campuses in the heart of the **capital of Europe**.



"It's easy to get on with students here. They take time for others. That's what attracted me to the ULB."

Dominic, an exchange student

Facts and figures

STUDENTS

Total number of students: 22,000.

Percentage of international students: 29 % (of whom two-thirds are from Europe and one-third from other countries).

STAFF

Number of staff: approx. 4,850 (excluding the university hospital) including 1,260 academic staff and 2,230 researchers.

Number of nationalities: 79.

EDUCATION PROGRAMMES

Number of programmes: 40 Bachelors and 70 Masters, leading to 200 specialist programmes (some entirely taught in English and others where some courses are in English) and 20 PhD programmes.

RESEARCH

Number of research units: nearly 500.

Total research budget: €132 million.

Education programmes

A small selection of the programmes is given below:

- Master in Economics - see p. 74.
- Master in Political Science - see p. 68.
- Master of Science in Computer Science and Engineering - see p. 78.
- PhD - see p. 86.

For the full range, please see the university website.

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University of Antwerp

About us

The University of Antwerp takes pride in the high-quality and innovative education and research it provides in an open and pluralistic environment.

With some 13,000 students, the University of Antwerp is the third largest university in Flanders and offers **high-quality accredited education programmes** in seven faculties on three campuses. The **spirit of tolerance, pluralism and academic quality** espoused by the university make its students intellectually ambitious, critical-thinking individuals who are well equipped to live and work in a multicultural society.

One of the university's main focuses is quality in research. The University of Antwerp has five research centres of excellence and a number of autonomous and interfaculty institutes. In addition to fundamental scientific research, the university conducts much applied and policy-oriented research for national, European and international public authorities and for private companies and industry.

Being located in Antwerp, a major port in a region with a **strong economic power base** and a **rich cultural heritage**, the university maintains close ties with **the business world** and society at large, creating a win-win situation for research and cooperation.



Quality first

Facts and figures

STUDENTS

Total number of students: 12,240.

Percentage of international students: 12%.

STAFF

Number of staff: 3,617, including 2,524 academic staff (of whom 426 are from abroad).

Number of nationalities: 69.

EDUCATION PROGRAMMES

Total number of programmes: more than 130 (including 24 Bachelors, 40 Masters and 48 Advanced Masters programmes).

Programmes taught in English: 19 (5 Masters, 10 Advanced Masters and 4 postgraduate programmes).

RESEARCH

Number of PhDs: 1,136 PhD projects in progress and 138 PhDs awarded (in 2008-2009).

Number of academic publications: 3,825 in 2008.

Education programmes

A small selection of the programmes is given below:

- Master of Economics of International Trade and European Integration (Erasmus Mundus) (Advanced Master) - see p. 68.
- Master of Globalisation and Development (Advanced Master) - see p. 70.
- Master of Transport and Maritime Management (Advanced Master) - see p. 84.
- Master in Technology for Integrated Water Management (Advanced Master) - see p. 83.
- PhD - see p. 86.

For the full range, please see the university website.

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**Knowledge
connects people**





University of Leuven

About us

The University of Leuven (K.U.Leuven) located in the heart of Western Europe, has been a centre of learning for almost six centuries. The university was founded in 1425 and as such it holds the double distinction of being the oldest surviving Catholic university in the world and the oldest university in the Low Countries. It can look back on a glorious past, but it also moves with the times. Today, **international cooperation** is regarded as essential for a modern university. **Top-level research** is judged according to international standards and involves interaction, cooperation and exchanges of both researchers and results. European surveys rank the University of Leuven among the **top 10 European universities** in terms of its scholarly output. With regard to teaching, it can hold its own competing with internationally respected institutions in a large number of fields. The university also has a modern educational concept, with research activities focusing on the needs and aspirations of contemporary people and society. Against this background, it should come as no surprise that international students from across the world account for over 10% of the university's student population.



“In my country, Portugal, the name of Lovaina (Leuven) is one of the best and most prestigious names when you speak about universities”

José Manuel Barroso,
President of the European Commission, during
the Global Governance Conference at
University of Leuven

Facts and figures

STUDENTS

Total number of students: 37,510. At the University of Leuven, knowledge is passed on by means of high-quality interdisciplinary teaching.

Number of international students: 5,357. This high level of international students makes Leuven a melting pot where a panoply of experiences are exchanged to the benefit and satisfaction of all.

STAFF

Number of staff: 9,133, including 1,454 senior academic staff, 784 junior academic staff and 3,973 other researchers.

EDUCATION PROGRAMMES

Total number of programmes: 63 Bachelor programmes and 179 Master programmes.

Programmes taught in English: 73.

RESEARCH

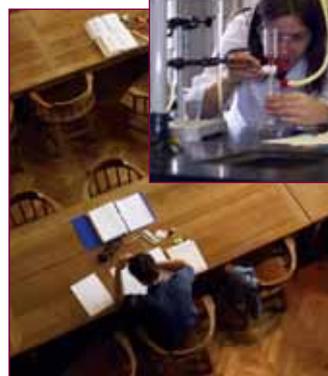
Number of PhDs: 530 PhD graduates in the academic year 2008-2009, including 151 international PhD students.

Number of scientific publications: 4,153 publications (in 2009) in international, peer-reviewed academic and scientific journals.

Facilities and services

The University of Leuven stands out from other **research institutions** with its autonomous statements of problems, its fundamental research, its focus on education and its virtually comprehensive range of academic disciplines. In a number of fields (e.g. biotechnology, environment, medical research, European integration and diversity, arts and nanotechnology) the university can aspire to a place among the **centres of excellence in Europe** and in the world.

Special attention is paid to the steady evaluation of the teaching process to enhance the students' capacity to study independently, to provide intensive individual guidance and an adequate evaluation system. All teaching staff have excellent didactic skills and use **new teaching methods and technologies**.



"I cherish the years I spent studying at K.U.Leuven. They helped open the doors to my political career"

Herman Van Rompuy,
President of the European Council of Ministers and alumnus of University of Leuven

Education programmes

A small selection of the programmes is given below:

- Master of Nanoscience and Nanotechnology - see p. 78.
- Master of Statistics - see p. 80.
- Master of Advanced Business Studies (Advanced Master) - see p. 60.
- Master of Artificial Intelligence (Advanced Master) - see p. 81.
- Master of European Politics and Policies (Advanced Master) - see p. 69.
- Master of Laws (Advanced Master) - see p. 70.
- Master of Space Studies (Advanced Master) - see p. 82.
- Postgraduate studies in Advanced Medical Imaging - see p. 72.
- PhD - see p. 86.

For the full range, please see the university website.

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University of Liège

About us

The University of Liège (ULg), founded in 1817, is located in the hub of Europe at the confluence of the Meuse and the Rhine. ULg is a pluralist **international** institution with a spirit of openness to social, technological and industrial realities. Its 20,000 students, 20% of whom are from abroad, receive appropriate guidance throughout their stay, thanks to the major investments the university has made in the quality of provisions made for them, e.g. assistance with accommodation, guidance and counselling, not to mention French classes for foreigners. These best practices in terms of mobility were recognised by the award of the European Union's **ECTS label** in 2009. ULg has developed areas of excellence and has built on strong links between research and teaching in life sciences, agronomy, bioengineering, earth sciences, management and technological subjects. Eleven faculties, covering **all academic disciplines**, offer 245 Master's and Advanced Master's programmes.

GIGA (Applied Genoproteomics Interdisciplinary Group)

Education, research and partnerships with industry

Unique organisational structure in Belgium - surface area of 21,000 m², including the university hospital - 600 researchers - eight technological platforms - a technology transfer office - eight companies on the 'business floor' - a centre for continuing training - ninth best place to work for a postdoc (The Scientist, 2008).



Facts and figures

STUDENTS

Total number of students: 20,000.
Number of international students: 4,000.

STAFF

Number of staff: 4,200.
Number of nationalities: 52.

EDUCATION PROGRAMMES

Total number of programmes: 38 Bachelor programmes - 178 Master programmes - 21% of programmes unique in Belgium - 67 Advanced Master programmes.
Programmes taught in English: 15.

RESEARCH

Number of PhD students: 1,810.
Number of academic publications: 4,335 in 2009.

Education programmes

A small selection of the programmes is given below:

- European Masters Course in Integrated Advanced Ship Design (Erasmus Mundus) - see p. 80.
- Master in Functionalised Advanced Materials and Engineering (Erasmus Mundus) - see p. 78.
- Master in Interdisciplinary Analysis of European Construction (Advanced Master) - see p. 70.
- PhD - see p. 86.

For the full range, please see the university website.

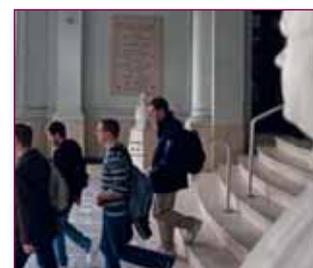
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UMONS

University of Mons

About us



The University of Mons (UMONS) was created in 2009 as the result of the voluntary merger of six existing faculties and three institutes. This young university has a long history, as its first faculty was founded in 1836.

With around 1,000 members of staff, the **UMONS** offers a range of **40 degree programmes**, being followed by about 5,000 students (including more than **600 international students**) from some 40 countries. Research at UMONS is conducted in 80 research units and two Centres of Excellence, with more than 200 PhD students. UMONS is proud to remain a university on a human scale. Some International Masters and third-cycle courses are organised in collaboration with the Université libre de Bruxelles.

Education programmes

A small selection of the programmes is given below:

- Master in Electrical Engineering - Biosystems Engineering (Advanced Master) - see p. 81.
- Master in Electrical Engineering - Multimedia and Telecommunications (Advanced Master) - see p. 81.
- PhD - see p. 86.

For the full range, please see the university website.

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**BRUSSELS
SCHOOL OF
COMPETITION**

The Brussels School of Competition is organized within the framework of the FEB. Its primary purpose is to organize a high profile, specialized course in **Competition Law and Economics**.

The LL.M. programme has been designed to meet in particular the needs of companies, their counsels and civil servants, faced with the increased complexity of the competition rules and the unprecedented economic challenges arising from its enforcement.

- 1 It offers **practical** training, thanks to an experienced contingent of competition lawyers, economic consultants, and senior officials;
- 2 It provides **high-level** lectures given out by outstanding academics;
- 3 It proposes a **flexible** training programme compatible with the requirements of professional practice;
- 4 It seeks to offer a **modern** approach to training, which embraces fully the interdisciplinary (law and economics) nature of competition policy;
- 5 It gives its students opportunities to **socialize** and meet fellow competition professionals on a regular basis.



www.brusselsschoolofcompetition.eu

www.brusselsschoolofcompetition.eu



Vrije Universiteit Brussel

About us

The Vrije Universiteit Brussel (VUB), a dynamic, modern university with two parkland campuses in the Brussels-Capital Region, is your ideal partner for prestigious international research and **education with a European and global perspective**.

The Vrije Universiteit Brussel offers high-quality education to some 11,000 students. All fields of study are represented, meaning that students can gain a view extending above and beyond their own discipline. Courses are taught by eminent academics and business professionals, all of them with an **open-door policy** for students.

The two campuses boast not only lecture halls and laboratories fitted with the most up-to-date equipment, but also modern sports facilities.

With more than 150 **internationally recognised research teams**, the Vrije Universiteit Brussel prepares students in many disciplines of fundamental and applied research. Thanks to the creation of more than 20 **spin-offs in various domains**, the Vrije Universiteit Brussel plays a prominent role in attracting and instigating new economic activity on and around the two campuses in the **Brussels-Capital Region**.



“Europe needs well-trained and critically thinking intellectuals. The principles underpinning teaching and research at the VUB help address the challenges we face today and have formed a stimulus in my personal career”

Karel De Gucht,
European Commissioner for Trade

Facts and figures

STUDENTS

Total number of students: 10,880.

Number of international students: 1,551.

STAFF

Number of staff: 2,700.

Number of nationalities: 60.

EDUCATION PROGRAMMES

Total number of programmes: 27 Bachelors, 84 Masters and eight postgraduate programmes.

Programmes taught in English: three Bachelors, 19 Masters, nine Advanced Masters and six postgraduate programmes; all disciplines offer PhDs in English.

RESEARCH

Number of PhDs: 1,200 PhD projects in progress.

Number of scientific publications: 3,792 in 2008-2009.

Education programmes

A small selection of the programmes is given below:

- Master of Applied Sciences and Engineering: Computer Science - see p. 76.
- Master of Applied Sciences and Engineering: Photonics - see p. 76.
- Master of Biomolecular Sciences - see p. 77.
- Master of Management - see p. 63.
- Master of European Integration and Development (Advanced Master) - see p. 69.
- PhD - see p. 86.

For the full range, please see the university website.

Contact details

Vrije Universiteit Brussel

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Institute of Tropical Medicine

About us

The Antwerp Institute of Tropical Medicine (ITM) is one of the world's leading schools of **tropical medicine and global health**. Boasting staff who are experts in their highly specialist fields, it runs postgraduate, Advanced Master's and PhD programmes, research programmes on health systems in low- and middle-income countries, research programmes on diagnosis and control of diseases such as HIV/AIDS, tuberculosis, malaria, sleeping sickness, leishmaniasis and parasitic zoonoses, and collaboration programmes to promote capacity building in the academic sector in developing countries. The ITM, which features at the top of European academic and research rankings, is housed in historic buildings in one of Europe's finest cities, surrounded by culture and excellent restaurants and cafés, and is equipped with state-of-the-art research and teaching facilities. The campus's international credentials are further reinforced by continual individual and institutional exchanges with partner institutes and alumni in every corner of the world.



Academic and scientific excellence in pursuit of healthcare for all

Facts and figures

STUDENTS

Total number of students: 650 students in 2009.
Percentage of international students: over 60% (Africa, Asia, Latin America and the rest of Europe).

STAFF

Number of staff: 200 academic staff spread across five scientific departments: Animal Health, Clinical Sciences, Microbiology, Parasitology and Public Health.
Number of nationalities: 17.

EDUCATION PROGRAMMES

Number of programmes: 15 programmes: PhD, Advanced Master programmes, postgraduate certificates, specialist short (e-)courses.
Course languages: English, French and Dutch.

RESEARCH

Number of PhDs: 100 PhD projects in progress in 2009.
Number of publications: over 300 publications per year.
Total research budget: €22 million.

Education programmes

A small selection of the programmes is given below:

- Master in Public Health – Orientation Disease Control (Advanced Master) - see p. 71.
- Master in Public Health – Orientation Health Systems Management and Policy (Advanced Master) - see p. 72.
- Master of Science in Tropical Animal Health (Advanced Master) - see p. 72.
- Postgraduate certificate in Tropical Medicine and International Health - see p. 73.
- Short courses - see p. 73.
- PhD in cooperation with a university - see p. 86.

For the full range, please see the university website.

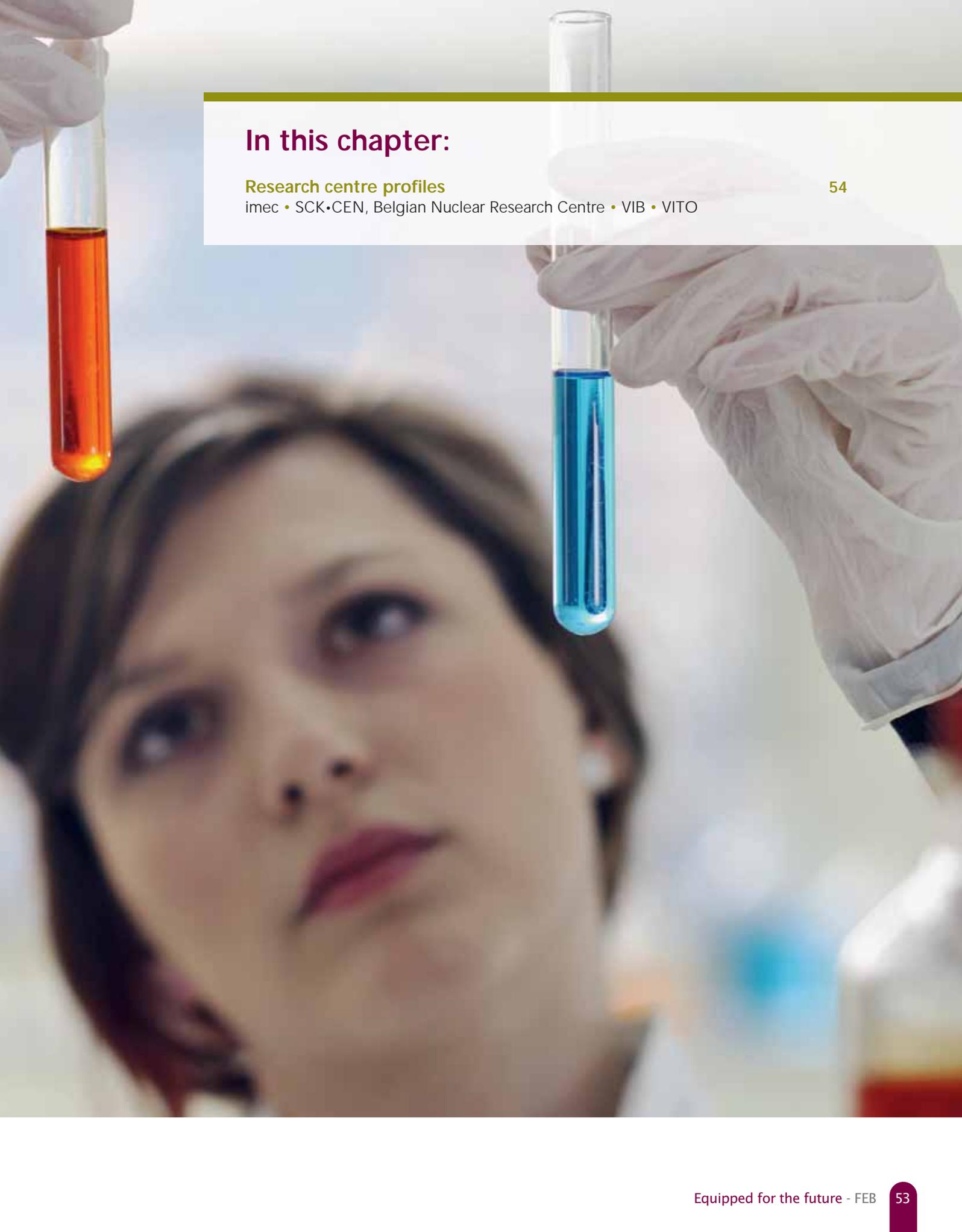
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3

Beyond higher education institutions: opportunities at major research centres





In this chapter:

Research centre profiles

imec • SCK•CEN, Belgian Nuclear Research Centre • VIB • VITO

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About us

Imec performs world-leading **research in nano-electronics** in a unique high-tech environment. Our international top talent, numbering more than 1,750, includes over 550 employees of industrial businesses, about **200 PhD students**, and guest researchers. Imec combines scientific knowledge with global partnerships in ICT, healthcare and energy to provide the building blocks for a better life in a sustainable society. More than **1,700 scientific papers** and conference contributions from imec staff are published each year, many of them in collaboration with universities or industry.

We are headquartered in Leuven (Belgium) and have branches in the Netherlands, Taiwan, the USA, China and Japan. Imec was founded in 1984 and has been headed by Prof. Dr. Luc Van den Hove since July 2009. Imec is an exciting place to do PhD research. Its world-class facilities and the expertise it boasts guarantee you will have unrivalled support. And if you come to imec from abroad, you will find an open, international environment, with more than **60 nationalities** working together on one site.



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Education programmes

- PhD in cooperation with a university - see p. 86.

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🌐 www.imec.be



SCK•CEN, Belgian Nuclear Research Centre

About us

SCK•CEN is one of the largest research centres in Belgium, with laboratories in Mol and its registered office in Brussels. With a current workforce of some 640 further developing the **peaceful industrial and medical applications of nuclear science**, the centre's statutory goal prioritises **issues of concern to society** such as the safety of nuclear installations, radiation protection, the safe treatment and disposal of nuclear waste, the management of fissile and other strategic materials and sustainable development. Our **know-how and facilities** are also available to the nuclear industry and other industrial sectors, the medical sector and the government. SCK•CEN spreads its knowledge by participating in **education and training programmes**, including **PhD and post-doctoral** programmes which have already been undertaken by more than 100 junior researchers.



© SCK•CEN

Education programmes

A small selection of the programmes is given below:

- Master of Science in Nuclear Engineering (Advanced Master) - see p. 82.
- PhD in cooperation with a university - see p. 86.

For the full range, please see the website.

Contact details

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🌐 www.sckcen.be



About us

VIB is a non-profit research institute specialising in **life sciences**. Its **1,200 scientists**, including 245 postdoctoral researchers and **410 PhD students**, conduct **basic research into molecular mechanisms** that are key to the functioning of the human body, plants and microorganisms. Thanks to a **close partnership with four Flemish universities** – Ghent University, the University of Leuven, the University of Antwerp and Vrije Universiteit Brussel – and a **solid funding programme**, VIB brings together **72 research groups** in a single institute. The goal of VIB is to substantially expand our knowledge of life. Through its technology transfer activities, VIB turns research results into products that provide benefits for consumers and patients, while also developing and disseminating a wide range of empirically based information about all aspects of biotechnology.



Education programmes

- PhD in cooperation with a university - see p. 86.

Contact details

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About us

VITO (Flemish Institute for Technological Research) is a leading independent **research centre** that develops sustainable technologies for energy, environmental, materials and remote sensing applications. The institute's research is deployed in a wide variety of domains, including sustainable process and production technologies or cleantech, the environment, energy efficiency, renewable energy, smart grids, advanced material and analysis techniques, secondary materials and healthcare. VITO employs some **600 highly skilled staff** with various specialisations, and the institute collaborates with bodies including universities, colleges, European research institutes, sectoral federations and their research centres. There are also about 30 PhD students writing their thesis under the tutelage of a university PhD supervisor and an experienced co-supervisor from VITO.



Education programmes

- PhD in cooperation with a university - see p. 86.

Contact details

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4 Some education programmes at a glance

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Business & Management

MBA

Executive MBA

 The HEC-ULg MBA aims to provide students with a grounding in strategic management, enabling them to subsequently aspire to international management positions. The programme is centred on strategic intelligence, which focuses on the analysis of information and its strategic use. The course will give you the tools to give a targeted response to the needs of your customers, through innovation, developing new products and winning over new market shares.

Length: two years. – **Type of qualification awarded:** degree.

Target group: restricted to individuals with at least three years' experience (approx. 20 participants).

Admission requirements: admission test assessing candidates' knowledge of languages and management.

 **HEC Management School - University of Liege** - see p. 32.
www.hec.ulg.ac.be/EN/

International Executive MBA

 This is a dynamic programme providing knowledge and skills to professionals. Our curriculum, developed by four management schools on three continents, encompasses fields of modern managerial practice, and will broaden your horizons and internationalise your skills with three one-week study trips on three continents. With strict admission criteria it builds, among other things, on individual or team activities.

Length: 18 months (module based). Fridays and Saturdays every other week.

Type of qualification awarded: degree.

Target group: middle or top management who want to further their career.

Admission requirements: at least five years' work experience, a university degree and a good command of English.

 **Louvain School of Management** - see p. 34.
www.louvainmba.com

MBA programme

 The Solvay MBA is designed to equip its students with a comprehensive range of skills and the knowledge they need to keep up with a competitive, fast-moving world. To that end, they follow a very intensive and highly demanding programme that gives them a strong practical grounding in management trends that make a difference in an international context.

Length: one or two years. – **Type of qualification awarded:** degree.

Target group: young managers and middle management.

Admission requirements: TOEFL and GMAT, an outstanding academic record and relevant work experience.

 **Solvay Brussels School of Economics and Management** - see p. 36.
www.solvay.edu/mba

MBA Programme

 According to the Financial Times 2009 ranking, the Vlerick MBA, which has been awarded three international accreditations (AMBA, EQUIS and AACSB), is the third most international MBA in the world. The programme features a series of courses that are based on reputable research theories and findings related to management and business leadership. Courses are designed to prepare participants to creatively engage in the increasingly challenging corporate world.

Length: one year full-time or two years part-time. – **Type of qualification awarded:** degree.

Target group: executives with at least three years' work experience and a strong international focus.

Admission requirements: an undergraduate degree, relevant work experience and success in an admissions test.

 **Vlerick Leuven Gent Management School** - see p. 38.

www.vlerick.com/mba

 **Brussels** was **fifth** in the 2009 edition of Cushman & Wakefield's annual European Cities Monitor ranking of the **main European business centres**. The results are based on a survey of 500 senior executives of leading European companies. They particularly prize Brussels for its multilingual population, its highly skilled workforce, its excellent links with other cities in Europe and elsewhere and the easy access it provides to markets, customers or clients.



Part-time Executive MBA

 The Part-time Executive MBA (EMBA) is a programme designed for professionals who want to be in control of their future potential and growth. The programme content is based on learning to understand (1) the global context, (2) the value creation chain, and (3) profit, growth and sustainability. We systematically switch between three working levels: learning to manage (a) the business, (b) the organisation and (c) yourself.

Length: two academic years, featuring two or two and a half days' teaching per month.

Type of qualification awarded: degree.

Target group: professionals with at least five years' practical business experience.

Admission requirements: a first Master's degree (or equivalent), at least five years of practical business experience and fluency in English; the GMAT may be part of the admissions process.

 **Antwerp Management School** - see p. 30.

www.uams.be/emba

Business & Management

Master & Advanced Master

European Microfinance Programme

 The European Microfinance Programme (EMP) aims to train the microfinance professionals of the future so that they can contribute to the further development of microfinance institutions worldwide to ensure that they meet the highest international standards. The EMP provides students with a professional, multidisciplinary approach to the challenges the microfinance sector is facing today. The programme provides students with a solid theoretical basis in the subject together with practical knowledge.

Length: one year. – **Type of qualification awarded:** degree.

Target group: holders of a Master's degree with an interest in microfinance.

Admission requirements: a Master's degree.

 **Solvay Brussels School of Economics and Management** - see p. 36.
www.solvay.edu/microfinance

 Although **Belgium** accounts for less than 0.2% of the world's population, it was responsible for 3% of global exports and 2.9% of worldwide imports of goods in 2008 according to the World Trade Organisation (WTO), making it the **eighth biggest exporter** and the ninth largest importer of goods on the planet. Moreover, with a share of 2.3%, Belgium was ranked 13th in the world for exports of commercial services.



Master of Advanced Business Studies

 This programme familiarises students with current research practices in business and management studies. It is the ideal preparation for the PhD in Applied Economics and will also appeal to students seeking research-oriented positions outside the university. The faculty has a vast national and international network, through which it maintains strong links with the business and financial communities.

Length: one year (60 ECTS credits). – **Type of qualification awarded:** degree.

Admission requirements: a Master's in business (or a degree equivalent to four or five years of management studies) or in another subject (in which case candidates must successfully negotiate their way through the admissions process).

 **University of Leuven** - see p. 46.
www.kuleuven.be/MA/MABS

Master in Business Engineering

 This programme focuses particular attention on developing students' ability to model and set out management problems so as to propose solutions and improvements, and to make use of technological processes and learn how to manage them. In the second year, students will have the unique opportunity to be selected for the Master's in International Management (MIM) offered by the best international management schools.

Length: two years full-time. – **Type of qualification awarded:** degree.

Target group: Bachelor's students with a background in science and technology.

Admission requirements: Bachelor's degree, majoring in management engineering or in science and technology, and an adequate score in GMAT or TAGE-MAGE and a language test.

 **Louvain School of Management** - see p. 34.
www.uclouvain.be/en-ingenieur-gestion.html

Master in Business Engineering

 This programme offers a range of specialisations: (1) Supply Chain Management, in which students can expand their knowledge of management processes with a view to efficiently producing goods and distributing goods and services; (2) Financial Engineering, which develops their understanding of financial markets and the instruments they use; (3) Performance Management Systems, which focuses on optimising the practice of professions in financial management and general management; and (4) 'Intrapreneurship', which trains students to manage complex projects in an enterprise.

Length: two years (120 ECTS credits). – **Type of qualification awarded:** degree.

Target group: students interested in quantitative aspects, modelling and optimisation of performance.

Admission requirements: a Bachelor's degree in management engineering.

 **HEC Management School - University of Liege** - see p. 33.
www.hec.ulg.ac.be/EN/education/masters/management-engineering.php

Master of Business & Technology

 In a nutshell, the Belgian academic qualification of 'Business Engineer' takes economics as its foundation, regards technology as added value and uses entrepreneurship as a guideline. This English programme, jointly organised with Vrije Universiteit Brussel, gives international undergraduate students a unique chance to learn about high-level European and internationally oriented management studies.

Length: two years. – **Type of qualification awarded:** degree.

Target group: undergraduate students.

Admission requirements: candidates with a university Bachelor's degree (or equivalent) in a field related to business/management or economics.

 **Solvay Brussels School of Economics and Management** - see p. 36.
www.solvay.edu/masterinternational

Business & Management

Master of Finance

 The Master of Finance is designed to prepare students for careers as finance professionals by giving them a solid grounding in analytical and practical decision-making. The skills acquired range from corporate finance decision-making to portfolio management and derivative pricing.

Length: 10 months, starting in September (60 ECTS credits). – **Type of qualification awarded:** degree.

Target group: recent university graduates who want to establish a career for themselves in finance.

Admission requirements: a four-year Bachelor's or Master's degree, fluency in English (IELTS or TOEFL), a test and an interview.

 **Antwerp Management School** - see p. 30.
www.uams.be/MOF

Masters in Financial Management

 Vlerick lays a solid foundation for a fast-track career in financial management with its CFA-accredited Masters in Financial Management. Among the courses are Advanced Corporate Finance, International Corporate Finance, Financial Instruments, Management of Financial Institutions, Entrepreneurial Finance, Financial Accounting and Analysis, Cost Accounting, Strategic Management, Management Control, Business Ethics and CSR, Negotiation Skills, and Communication Skills.

Length: one year (full-time academic degree programme). – **Type of qualification awarded:** degree.

Target group: young university graduates with little or no working experience.

Admission requirements: an academic degree and success in the admissions process.

 **Vlerick Leuven Gent Management School** - see p. 38.
www.vlerick.com/masters

Masters in General Management

 This Master is a full-time programme that runs from early September to early July, provides an excellent basis for a fast-track career in general management. The core courses, which cover the full range of management domains, include Decision Sciences for Business, Human Resource Management, International Management, Management and Organisation, Project Management, Value-added ICT, Financial Management and Innovation Management.

Length: one year (full-time academic degree programme). – **Type of qualification awarded:** degree.

Target group: young university graduates from different disciplines (economics, engineering, psychology, medicine, etc.) and having little or no working experience.

Admission requirements: an academic degree and success in the admissions process.

 **Vlerick Leuven Gent Management School** - see p. 38.
www.vlerick.com/masters

Master of Global Management

 Students can choose between general and international business courses and also learn practical skills and competences to help them establish a successful career in an international environment. The diversity of the students, the international teaching staff and the international business projects make this a truly multicultural programme, which came 27th in the Financial Times Masters in Management 2009 rankings.

Length: 10 months, starting in September (60 ECTS credits). – **Type of qualification awarded:** degree.

Target group: recent university graduates who want to establish an international business career.

Admission requirements: a four-year Bachelor's or Master's degree, fluency in English (IELTS or TOEFL), a test and an interview.

 **Antwerp Management School** - see p. 30.
www.uams.be/MGM

 Located at the cultural crossroads between the Germanic north and the Romance south of Europe, **Belgium** is the perfect place to evaluate whether a product or service will appeal to European consumers. In addition, as a small but densely populated and wealthy country, the costs involved in launching a new product or design on the Belgian market can be kept down, making it the **ideal test market** for many international companies.



Master of Management

 This programme meets the needs of business and offers participants the skills and know-how needed for management positions in a wide range of sectors. The courses, which have been selected with a varied, international audience in mind, are research-based and have a global focus. The knowledge and experience of eminent academics and numerous business professionals from different sectors span every field of management and business.

Length: one year (60 ECTS credits). – **Type of qualification awarded:** degree.

Admission requirements: university degree consisting of a programme involving at least three years' study following an academic curriculum (180 ECTS credits).

 **Vrije Universiteit Brussel** - see p. 50.
www.vub.ac.be/ma-management

Business & Management

Master of Management, Product Innovation and Entrepreneurship

 This programme aims to familiarise students with state-of-the-art methodologies for generating new product ideas and to provide them with the knowledge and skills to manage the process of product development. In this way the programme enhances their ability to both create and promote added value through new products.

Length: 10 months, starting in September (60 ECTS credits). – **Type of qualification awarded:** degree.

Target group: young graduates with a special interest in product innovation and entrepreneurship.

Admission requirements: a four-year Bachelor's or Master's degree, fluency in English (IELTS or TOEFL), a test and an interview.

 **Antwerp Management School** - see p. 30.
www.uams.be/PIE

Master in Management Science

 Students will take advanced courses in management and specialised options such as European business, entrepreneurship, strategy and innovation, corporate finance, service management, chartered accountancy and strategic marketing. In the second year, students will have the unique opportunity to be selected for the Master's in International Management (MIM) programme, which is an international degree jointly run by the CEMS schools.

Length: two years full-time. – **Type of qualification awarded:** degree.

Target group: Bachelor's students in economics and business who want to specialise and develop their studies.

Admission requirements: Bachelor's degree from a recognised university with a major in business and economics, and an adequate score in GMAT or TAGE-MAGE.

 **Louvain School of Management** - see p. 34.
www.uclouvain.be/en-sciences-gestion.html

Master in Management Sciences

 This programme offers a range of specialisations: (1) Banking and Asset Management, in which they can master the use of financial instruments; (2) Financial Analysis and Audit, which trains trade specialists in the internal and external control of organisations; (3) Strategic and Marketing Intelligence, in which they can gain a contemporary perspective on marketing and strategy; (4) Management of Social Enterprises, in which they can develop useful skills for running social enterprises; and (5) Entrepreneurship, which trains the entrepreneurs of tomorrow.

Length: two years (120 ECTS credits). – **Type of qualification awarded:** degree.

Target group: students attracted by a wide range of jobs in market finance, by communications, information management and the related techniques, and by accounting, financial, audit and legal techniques.

Admission requirements: a Bachelor's degree in management.

 **HEC Management School - University of Liege** - see p. 32
www.hec.ulg.ac.be/EN/education/masters/management-sciences.php

Masters in Marketing Management

 The programme is an excellent springboard to a fast-track career in marketing management. The core courses, which look at all fields of marketing management, include Consumer Behaviour, Business Market Management, Market Research, Business Ethics and CSR, Career Skills, Communication & Interaction Skills, Entrepreneurship, Marketing Communication, Interactive Marketing, Pricing Policy, Sales Management, Retail & Trade Marketing, and Service Marketing.

Length: one year (full-time academic degree programme). – **Type of qualification awarded:** degree.

Target group: young university graduates with little or no working experience.

Admission requirements: an academic degree and success in the admissions process.

 **Vlerick Leuven Gent Management School** - see p. 38.

www.vlerick.com/masters

Part-time Executive Master in Enterprise IT Architecture

 This programme looks at the notions and practices underpinning the design and management of business and IT architecture and the optimisation of business processes by using IT solutions. It is organised around a set of specialised modules that concentrate on enhancing students' knowledge of enterprise IT architecture and in this way broadening their horizons to encompass business strategy, leadership, change and risk management.

Length: two academic years, featuring two days' teaching every three weeks.

Type of qualification awarded: degree.

Target group: professionals who are active in the field of enterprise IT architecture.

Admission requirements: a first Master's degree (or equivalent), practical business experience and fluency in English.

 **Antwerp Management School** - see p. 30.

www.uams.be/ICTmanagement

Part-time Executive Master in IT Governance & Assurance

 This programme focuses on giving students the necessary empirical knowledge and practice-oriented skills to apply IT governance and assurance practices in organisations. It is centred on a set of specialised modules that concentrate on enhancing students' knowledge of IT governance and assurance and in this way broadening their horizons to encompass business strategy, leadership, change and risk management.

Length: two academic years, featuring two days' teaching every three weeks.

Type of qualification awarded: degree.

Target group: professionals who are active in the field of IT governance and assurance.

Admission requirements: a first Master's degree (or equivalent), practical business experience and fluency in English.

 **Antwerp Management School** - see p. 30.

www.uams.be/ICTmanagement

Business & Management

Executive education

Antwerp Management School - see p. 30.

 The Antwerp Management School responds to the needs of active professionals looking for real substance in management. The private, public and social profit sectors are increasingly requiring their personnel to broaden their horizons and enhance and reconfigure their knowledge and skills. The school shows its commitment to lifelong learning by offering open-enrolment Master Classes and executive programmes as well as customised programmes.

A small selection of our Executive Education programmes:

- Corporate Finance for Non-Financial Managers;
- Next Generation Leadership;
- Master Class Global Supply Chain Challenges;
- Master Class B2C Marketing;
- Euro-China Centre: China Expert Workshop series.

 www.uams.be

Louvain School of Management - see p. 34.

Supply Chain Management

 The programme uses unique teaching methods, involving very close interaction between theory and practice, to ensure that participants obtain the best possible return on their investment. Each of the seven modules includes a real-life, full-day case study involving a visit to a logistical or industrial site. The participants work on the case in small groups, giving them an immediate chance to apply the course material, their experience and the dynamics of group discussions to a current real-life situation. This hands-on approach enables the participants to exchange views with trainers and hosting professionals. In addition, two modules are organised outside Belgium.

Length: the Supply Chain Management programme is organised from September until June each year. It comprises eight three-day module-based sessions, plus opening and closing sessions.

Target group: this programme is intended for individuals taking on Supply Chain Manager duties and who want to be fully conversant with the most recent methods and tools.

 www.supplychainmaster.eu/index.php

Solvay Brussels School of Economics and Management - see p. 36.

 These programmes are all about putting excellence into practice. SBS-EM offers more than 30 Executive Education management programmes, ranging from general management to specialised courses in Belgium and around the world, benefitting all levels of management, from junior to top managers, and covering all areas of business.

Five good reasons to choose Solvay Executive Education: (1) internationally recognised expertise in the fields of management; (2) an in-depth understanding of the business community; (3) leading-edge research centres; (4) top-class faculty staff; (5) an active global alumni network.

Just some of our Executive Education programmes:

- Executive Master in Finance;
- First-Time Manager Programme;
- Business Ethics;
- Brand & Experience Management;
- IT Management & IT Governance.

 www.solvay.edu/EXED

Vlerick Leuven Gent Management School - see p. 38.

The Vlerick executive education programmes fall into two categories:

General management programmes

These part-time management programmes, which run over several years, offer a bird's eye view of management and cover the basic notions and latest trends in a variety of management fields. Examples include the Young Management Programme, the International Management Programme and the Advanced Management Programme.

 www.vlerick.com/gm

Specialised management programmes

These programmes take a single management discipline as their basis. There are two types of specialised executive education programmes: Executive Master Classes and seminars. Vlerick runs seven Executive Master Classes in specific fields, namely Business Process Management; Business-to-Business Marketing and Sales; Controllershship; Corporate Finance; HRM; Innovation & Entrepreneurship, and Supply Chain Management.

 www.vlerick.com/mc

Only a selection of the executive education programmes is given above. For the full range, please see the website: www.vlerick.com

European & International Relations

Master

Master in Political Science

 This programme trains students to become top political scientists, either in international relations or in national and European politics and public administration. The academic staff of the university are internationally renowned. The course provides participants with key skills for a successful career, as well as the ability to research information and present it in a coherent manner.

Length: one year (60 ECTS credits). – **Type of qualification awarded:** degree.

Admission requirements: unconditional entry for holders of a Bachelor's degree in political science from a Belgian university; students who hold a Bachelor's degree from outside Belgium will need to submit an application.

 **Université libre de Bruxelles** - see p. 43.

www.ulb.ac.be/enseignements/presentation/en/ma/poli_en.html

Advanced Master

Master of Advanced Studies in European Law (LL.M.)

 The LL.M. is an advanced academic programme dedicated to studying the legal background for business activities within the European Union. This in-depth programme encompasses all relevant branches of contemporary law, within the context of the EU. The programme welcomes graduate students from both EU and non-EU countries, with various degrees of previous exposure to European law and with different professional goals.

Length: one year (60 ECTS credits). – **Type of qualification awarded:** degree.

Admission requirements: a law degree giving access to a variety of legal professions, and proof of appropriate proficiency in English.

 **Ghent University** - see p. 40.

www.law.ugent.be/llm/

Master of Economics of International Trade and European Integration



 This Erasmus Mundus programme develops the skills of economists from Europe and elsewhere with career aspirations in the research field in universities, government or international organisations or in research departments in various sectors. The programme is jointly taught and organised by a consortium of seven European universities: Antwerp (coordinating institution), Bari, Brussels (VUB), Cantabria, Lille, Prague and Staffordshire.

Length: one year (60 ECTS credits) in three countries. – **Type of qualification awarded:** joint degree.

Admission requirements: 240 ECTS credits awarded as part of a university study programme in economics or applied economics, or a Bachelor's degree in these areas that is deemed equivalent by the Joint Studies Board.

 **University of Antwerp** - see p. 44.

webhost.ua.ac.be/eitei/

Master of European Integration and Development

 This Advanced Master offers advanced education and practical training in European law, politics and economics with a view to preparing students for further (PhD) research or for international careers in policy-making jobs in the private or public sectors. This evening programme is internationally recognised for its high-level multinational teaching staff who bring a broad mix of academic and professional experience to the classroom.

Length: one year (60 ECTS credits). – **Type of qualification awarded:** degree.

Admission requirements: a university Master's degree and excellent academic marks or relevant experience.

 **Vrije Universiteit Brussel** - see p. 50.

www.ies.be/euromaster

 A Belgian group of students won the **top prize** at the 2009 edition of the **World Model United Nations** (World MUN), the unofficial world championships in diplomacy. At this prestigious competition that is organised by Harvard University in the USA, participants are assigned a country whose diplomatic interests they have to defend according to the official rules of procedure of the United Nations. With their command of various languages and in-depth knowledge of the issues, the Belgians saw off top favourites such as Princeton, La Sorbonne and Oxford.



Master of European Politics and Policies

 This programme is designed for students wishing to pursue a career in the ever-growing field of European public administration. It aims to complement and expand their existing knowledge on the institutional developments and political processes of their home country and the European Union and includes a semester studying abroad at a partner institution in e.g. Geneva, Budapest, Paris or Milan.

Length: one year (60 ECTS credits). – **Type of qualification awarded:** degree.

Admission requirements: a university degree 'cum laude' in political science, sociology, law, economics or contemporary European history involving at least four years' study.

 **University of Leuven** - see p. 46.

www.kuleuven.be/MA/MEPP

European & International Relations

Master of Globalisation and Development

 This Master programme considers how globalisation impacts on both national and local development and on poverty alleviation in low- and middle-income countries, and how this effect is mediated by development players both in the authorities and in civil society. Students are taught to recognise the opportunities presented by globalisation, and to assess and deal with the risks and threats it involves.

Length: one academic year (60 ECTS credits). – **Type of qualification awarded:** degree.

Admission requirements: a university degree in social sciences (economics, political science, sociology, international relations), or at least two years' professional experience in any sector relevant to the programme.

 **University of Antwerp - IOB (Institute of Development Policy and Management)** - see p. 44.
www.ua.ac.be/iob/education

Master in Interdisciplinary Analysis of European Construction

 This programme seeks to provide rigorous advanced multidisciplinary and interdisciplinary training in European construction. The aim is to provide students with an understanding of major European topics and perspectives. The programme comprises a compulsory core (24 credits) and courses chosen by the students (21 credits), enabling them to tailor their curriculum to their individual needs, and culminates in a dissertation (15 credits).

Length: one year (60 ECTS credits). – **Type of qualification awarded:** degree.

Admission requirements: a Master in law or equivalent.

 **University of Liège** - see p. 48.
www.ulg.ac.be

Master of Laws (LL.M.)

 This Master, featuring workshops led by senior lawyers and officials from the EU scene in Brussels, is one of the most challenging programmes at the University of Leuven. Students are hosted by the main European and international institutions: the European Parliament, the European Court of Human Rights, the Council of Europe, the Court of Justice, the International Court of Justice, NATO and the European Commission.

Length: one year (60 ECTS credits). – **Type of qualification awarded:** degree.

Admission requirements: a law degree which entitles the holder to practise law in his/her country of origin; candidates also need to successfully negotiate their way through the admissions process.

 **University of Leuven** - see p. 46.
www.kuleuven.be/MA/LLM

Health & Medical Sciences

Master

Common European Master's Course in Biomedical Engineering

Erasmus Mundus

 Biomedical engineering brings together engineering and medical sciences with a view to improving the diagnosis and therapy of patients. The Common European Master's Course in Biomedical Engineering (CEMA-CUBE) is a top-level programme offered by a consortium of European universities. It trains students in general aspects of biomedical engineering and gives them the opportunity to specialise in a specific area within the biomedical engineering field.

Length: two years (120 ECTS credits). – **Type of qualification awarded:** degree.

Admission requirements: Bachelor's degree in engineering or equivalent and proof of appropriate proficiency in English.

 **Ghent University** - see p. 40.
www.biomedicaltechnology.eu/

 **Belgium** is a real centre of excellence in biopharmacy. Per capita, Belgium has the most medicines under development of any country worldwide and the most phase 1 clinical trials going on of any European country, as well as the highest concentration of life-science employees in the world.



Advanced Master

Master in Public Health - Orientation Disease Control

 This Master, which is aimed at managers of disease control programmes in low-and middle-income countries, focuses on HIV/AIDS, malaria, tuberculosis, neglected diseases and reproductive health problems. Training is provided in evidence-based disease control strategy and policy formulation, programme management and evaluation, medical ethics and human rights, quantitative and qualitative research methods, and communication and negotiation skills.

Length: 10 months (60 ECTS credits). – **Type of qualification awarded:** degree.

Admission requirements: university degree in health sciences and two years' professional experience.

 **Institute of Tropical Medicine** - see p. 51.
www.itg.be

Health & Medical Sciences

Master in Public Health - Orientation Health Systems Management and Policy

 This Master is aimed at experienced managers and health policy-makers in low- and middle-income countries. The programme focuses on health system analysis and strategies to improve the access of individuals and whole population groups to curative, preventive and promotional care. Topics covered include research methods and decision-making tools, resource management and policy-making, change management, leadership skills and public health values.

Length: 10 months (60 ECTS credits). – **Type of qualification awarded:** degree.

Admission requirements: university degree in health sciences and four years' professional experience.

 **Institute of Tropical Medicine** - see p. 51.
www.itg.be

Master of Science in Tropical Animal Health

 This Master addresses the prevention and control of animal diseases in the tropics and the development of sustainable and healthy livestock production, and thus contributes to food security and food safety for humans. The practical and theoretical training focuses on analysis of epidemiological situations and management of veterinary research and animal disease control programmes. This Master is research-oriented.

Length: 11 months (60 ECTS credits). – **Type of qualification awarded:** degree.

Admission requirements: veterinary degree or equivalent and professional experience.

 **Institute of Tropical Medicine** - see p. 51.
www.itg.be

Postgraduate programmes

Postgraduate studies in Advanced Medical Imaging

 This programme provides training in medical imaging and focuses on giving students a thorough survey of existing imaging procedures and approaches to imaging pathology. The aim is not to provide students with detailed knowledge of one particular procedure, but to present an overview of the strengths and weaknesses of individual techniques to enable them to develop their own critical view.

Length: 56 ECTS credits. – **Type of qualification awarded:** certificate.

Admission requirements: a Master's degree in fields such as (bio)medical sciences, dentistry, mathematics, physics and engineering. For further details, please see our website.

 **University of Leuven** - see p. 46.
www.kuleuven.be/medim

Postgraduate certificate in Tropical Medicine and International Health

 This programme provides health professionals with interdisciplinary training, bringing together clinical and biomedical knowledge and a systematic approach to the organisation of healthcare and to disease control. The broad perspective provided by international health policy and input from the social sciences throw light on the complex healthcare situation in low-resource regions. For most students, the programme leads to a career in international health.

Length: six months (30 ECTS credits). – **Type of qualification awarded:** certificate.

Admission requirements: university degree in health sciences and/or relevant professional experience.

 **Institute of Tropical Medicine** - see p. 51.
www.itg.be

Short courses

Institute of Tropical Medicine - see p. 51.

Short course in Clinical Research and Evidence-based Medicine

 The programme is aimed at health professionals responsible for clinical quality assurance, development of guidelines and supervising the research of junior staff or students. Participants in the programme, which uses an inductive approach to learning, undertake a critical analysis of the literature and develop an applied research protocol from start to finish.

Admission requirements: university degree in medicine or paramedicine and two years' professional experience.

Length: six weeks (9 ECTS credits).

 www.itg.be

Short course in Health Policy

 The course focuses on the formulation, implementation and evaluation of public health policies in low- and middle-income countries. Key topics include frameworks for policy analysis, stakeholders and strategies in policy-making, country case studies and emerging challenges. The course is aimed at experienced health professionals involved in national and international health policy-making.

Admission requirements: initial Master's degree and policy experience.

Length: seven weeks (10 ECTS credits).

 www.itg.be

Only a small selection of the short courses is given above. For the full range, please see the website.

Humanities & Social Sciences

Master

Master in Economics

 Students can choose from two specialisations: first, Economic Analysis & Public Governance, giving them training in economic analysis and quantitative methods, so that they can put forward strategic solutions for growth and governance of enterprises, NGOs or public institutions; and second, Economics & Finance, offering prospects not only in the financial sector, but also in other (market and non-market) sectors to students with competence in these two areas.

Length: two years (120 ECTS credits). – **Type of qualification awarded:** degree.

Admission requirements: a Bachelor's degree in economics and/or management.

 **HEC Management School - University of Liege** - see p. 32
www.hec.ulg.ac.be/EN/education/masters/economic-sciences.php

Master in Economics

 This programme trains students to become top economists. The first track places emphasis on research and makes use of the advantages provided by its international academic staff. The second track focuses on management science and gives students the chance to take specialised courses in international strategic management, corporate social responsibility and sustainable development, public management, marketing and entrepreneurship.

Length: two years (120 ECTS credits). – **Type of qualification awarded:** degree.

Admission requirements: unconditional entry for holders of a Bachelor's degree in economics, management or business engineering; candidates for the research track may need to meet certain conditions.

 **Université libre de Bruxelles** - see p. 43.
www.ulb.ac.be/enseignements/presentation/en/ma/econ_en.html

Master in Economics: Econometrics

 This programme, which focuses on research training, provides economists with advanced methodological tools and strong analytical skills. It is therefore designed for students who subsequently intend to move on to a PhD. The programme is organised by the Louvain School of Economics of the Université catholique de Louvain with the cooperation of the FUNDP in Namur, the University of Leuven and other partner institutions.

Length: two years (120 ECTS credits). – **Type of qualification awarded:** degree.

Admission requirements: a Bachelor's degree in Economics with a strong background in quantitative methods (mathematics and statistics).

 **Université catholique de Louvain** - see p. 42.
www.uclouvain.be/en-prog-2010-letri2m

Advanced Master

Master of Quantitative Analysis in the Social Sciences

 This is an advanced Master's programme which is organised by HUB-KUB in close cooperation with the University of Leuven's Centre for Sociological Research. It aims to improve students' knowledge of methodologies and focuses on training students in advanced reasoning and in quantitative statistical analysis, which is based on and rooted in the social sciences.

Length: one year (60 ECTS credits). – Type of qualification awarded: degree.

Admission requirements: Master's degree in political or social sciences, economics, applied economics, didactic, psychological or communications science or commercial engineering.

 **HUB-KUBrussel** - see p. 41.
www.hubrussel.be/qass



As of the autumn of 2010, **the Academy of ICC Belgium**, in cooperation with a number of partners including the chambers of commerce, will organise information and training programmes focusing on the **Incoterms® 2010 rules**. The Academy is gradually expanding its **range of programmes** to cover all ICC products, such as documentary credits and model contracts, and other instruments of international trade.

For more information, see our website: www.iccwbo.be.



Science, Engineering & Technology

Master

International Master of Science in Rural Development

Erasmus Mundus

 The International Master of Science in Rural Development (IMRD) trains specialists in integrated rural development by means of a combination of general and specific training modules in technical, economic and social sciences, a case study and a Master's dissertation. Courses are offered at an international network of leading universities and research institutes for rural development and agricultural economics.

Length: two-year programme (120 ECTS credits). – **Type of qualification awarded:** degree.

Admission requirements: Bachelor's degree in Bioscience Engineering or Agricultural Sciences, and proof of appropriate proficiency in English.

 **Ghent University** - see p. 40.
www.imrd.ugent.be

Master of Applied Sciences and Engineering: Computer Science

 This programme provides a thorough grounding in different specialisations and prepares students for an active role in computer science research and development. The courses are firmly rooted in the ongoing research activities of internationally oriented research groups, and there is a wide range of educational experiences: lectures, group projects, workshops, work experience in companies, etc.

Length: two years (120 ECTS credits). – **Type of qualification awarded:** degree.

Admission requirements: a Bachelor's degree in computer science; acceptance is based on a review of the academic record of each student, who will be evaluated on a case-by-case basis.

 **Vrije Universiteit Brussel** - see p. 50.
www.vub.ac.be/ma-computerscience

Master of Applied Sciences and Engineering: Photonics

 Acknowledged as one of our top Masters, this programme combines a multidisciplinary training in engineering with an in-depth specialisation in photonics. Combining the outstanding research capabilities of the VUB and Ghent University, the programme is organised through the 'centre of excellence' in photonics. It not only focuses on photonic systems, but also offers students the opportunity to enrol in a broad selection of optional courses in ICT, electronics, physics, biomedical techniques or business administration.

Length: two years (120 ECTS credits). – **Type of qualification awarded:** degree.

Admission requirements: a Bachelor's degree in electrical engineering, (applied) physics, materials science or related disciplines; recognised equivalents from other accredited institutions will also be considered.

 **Vrije Universiteit Brussel** - see p. 50.
www.vub.ac.be/ma-photonics

Master of Biomolecular Sciences

 Situated at the crossroads between chemical, biological, physical and computational sciences, this Master programme is truly multidisciplinary and research-oriented. It focuses on two domains: structural biology and biochemistry, and cell and developmental biology. Through additional training in research communication and research management, students are given the tools they need to perform and manage multidisciplinary research in an international context.

Length: two years (120 ECTS credits). – **Type of qualification awarded:** degree.

Admission requirements: a Bachelor's degree in biology, chemistry or biomedical sciences or equivalent.

 **Vrije Universiteit Brussel** - see p. 50.
www.vub.ac.be/ma-biomolecularsciences

Master in Computer Engineering

 The goal of this programme is to provide in-depth training in computer science, while also drawing on the versatility of engineering sciences. Students improve their theoretical knowledge and develop their practical skills in disciplines such as artificial intelligence, communication networks, cryptography and information security and software engineering.

Length: two years (120 ECTS credits). – **Type of qualification awarded:** degree.

Admission requirements: a Bachelor's degree in engineering with a major in civil or industrial engineering (to ensure a solid background in science and technology).

 **Université catholique de Louvain** - see p. 42.
www.uclouvain.be/en-prog-2010-linfo2m

Master in Computer Science

 The goal of this programme is to provide in-depth training in computer science and to build up skills such as resource management, teamwork and communication. A mix of lectures, exercises and projects means that students improve both their theoretical knowledge and their practical skills in areas such as software engineering, artificial intelligence and computer networks.

Length: one (60 ECTS credits) or two years (120 ECTS credits). – **Type of qualification awarded:** degree.

Admission requirements: a Bachelor's degree with a major in computer science.

 **Université catholique de Louvain** - see p. 42.
www.uclouvain.be/en-prog-2010-lsinf2m

Science, Engineering & Technology

Master in Functionalised Advanced Materials and Engineering

Erasmus Mundus

 The ability to design molecules and materials that replace traditional components is set to have a major impact on the development and supply of products. As a result, the focus of the Master in Functionalised Advanced Materials and Engineering (FAME), functionalised advanced materials, is emerging as a strategically important family of future technologies. The seven universities of the FAME consortium give students a wide variety of knowledge, with nanomaterials being a special focus in Liège.

Length: two years (120 ECTS credits). – **Type of qualification awarded:** joint degree.

Admission requirements: a Bachelor in science or equivalent.

 **University of Liège** - see p. 40.
www.fame-master.com

Master of Nanoscience and Nanotechnology

 This programme teaches students the basics of physics, biology and chemistry at nanometre scale, supplemented with courses on technology and engineering to give them the appropriate practical know-how. It dovetails well with the growing global convergence between these basic sciences and between science, technology and engineering sciences in general.

Length: two years (120 ECTS credits). – **Type of qualification awarded:** degree.

Admission requirements: a Bachelor's degree in physics or another field of science and engineering (such as chemistry, biochemistry, electrical engineering and materials science) and with a proven knowledge of physics.

 **University of Leuven** - see p. 46.
www.kuleuven.be/MA/MNANO

Master of Science in Computer Science and Engineering

 This programme is jointly run by the Polytechnic School and the Faculty of Sciences in cooperation with the Vrije Universiteit Brussel. The aim of the programme is to provide top-quality academic training in information technology. Five options are available: software design and the design of critical systems; optimisation and algorithms; computational intelligence; (Web-based) information systems; and multimedia.

Length: two years (120 ECTS credits). – **Type of qualification awarded:** degree.

Admission requirements: a Bachelor's degree in computer science or in civil engineering; holders of a Bachelor's degree in mathematics, physics or chemistry are also eligible if they take additional prerequisite courses (max. 15 ECTS credits).

 **Université libre de Bruxelles** - see p. 43.
www.ulb.ac.be/enseignements/presentation/en/ma/irif_en.html

Master of Science in Marine Biodiversity and Conservation

Erasmus Mundus

📖 The Erasmus Mundus Master of Science in Marine Biodiversity and Conservation (EMBC) is jointly organised by a consortium of six European partner universities. The study programme is divided into three thematic modules: understanding the structure and function of marine biodiversity, investigating marine biodiversity, and conservation and restoration of marine biodiversity. Students study at a minimum of two partner institutions.

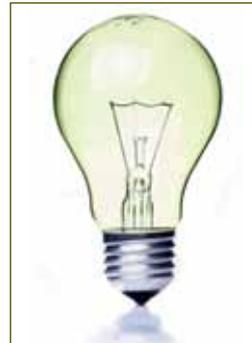
Length: two years (120 ECTS credits). – **Type of qualification awarded:** degree.

Admission requirements: Bachelor's degree in biology or related sciences, and proof of appropriate proficiency in English.

📍 Ghent University - see p. 40.
<http://embc.marbef.org>

💡 Many **discoveries and new technologies or techniques** that have transformed our daily lives or our world view are the **fruit of work done by Belgian scientists**, e.g. the dynamo (Zénobe Gramme), soda (Ernest Solvay), the Big Bang theory (Georges Lemaitre) and cell division (Edouard Van Beneden), and have substantially contributed to the development of technology and our state of knowledge.

Source: www.belgium.be



Master of Science in Photonics

Erasmus Mundus

📖 This international programme organised by five leading European universities provides top-quality training in photonics. It consists of a backbone of core photonics, with a main specialisation in advanced photonics, a secondary specialisation in a related field (telecommunications, biomedical engineering, etc.) and a dissertation. Students also study at a minimum of two partner institutions.

Length: two years (120 ECTS credits). – **Type of qualification awarded:** degree.

Admission requirements: Bachelor's degree in electrical engineering, physics or applied physics, and proof of appropriate proficiency in English.

📍 Ghent University - see p. 40.
www.master-photonics.org

Science, Engineering & Technology

Master of Statistics

 This programme, featuring majors in biostatistics, bioinformatics and epidemiology & public health methodology, keeps abreast of the scientific revolution in molecular biology and genetics and its impact on health and the environment. It combines an in-depth look at the principles of applied statistics and biostatistics with up-to-date training in areas such as clinical trials, public health and genetics.

Length: two years (120 ECTS credits). – **Type of qualification awarded:** degree.

Admission requirements: at least a university diploma or degree certificate or a diploma of higher education equivalent to a Bachelor's degree (180 ECTS credits).

 **Hasselt University** - see p. 41.
www.uhasselt.be/statistics

Master of Statistics

 This programme, run by interdisciplinary academic staff who use their internationally recognised research as a basis for their teaching, includes courses in biometrics, social behavioural and educational statistics, business statistics, industrial statistics and general statistical methodology. The programme is offered in collaboration with the Master of Statistics at Hasselt University, also in Belgium.

Length: two years (120 ECTS credits). – **Type of qualification awarded:** degree.

Admission requirements: Bachelor of Sciences, Bachelor of Applied Sciences and Engineering, Bachelor of Bioscience Engineering or another Bachelor's degree involving a thorough introductory course in statistics.

 **University of Leuven** - see p. 46.
www.kuleuven.be/MA/EMASTAT

Advanced Master

European Masters Course in Integrated Advanced Ship Design



 The objective of the European Masters Course in Integrated Advanced Ship Design (EMSHIP) is to provide high-level training in naval architecture and ship design through a combination of science and practical applications in teams across the world from cross-cultural backgrounds (Belgium, France, Germany, Italy, Poland and Romania). The result is an enhanced theoretical knowledge and a wealth of skills, opening up excellent career prospects.

Length: one and a half years (90 ECTS credits). – **Type of qualification awarded:** joint degree.

Admission requirements: a Master's degree in another engineering field and three to five years' work experience at sea as a practising engineer.

 **University of Liège** - see p. 48.
www.emship.eu

Master of Artificial Intelligence

 The product of collaboration between various leading international research units from seven faculties, this programme allows participants to focus on engineering and computer science, cognitive science or speech and language technology. It provides the perfect launch-pad for a career in information technology, data mining, speech and language technology, intelligent systems, diagnosis and quality control, etc.

Length: one year (60 ECTS credits). – **Type of qualification awarded:** degree.

Admission requirements: a Master is required in a specific field; see our website for a list of eligible Masters.

 **University of Leuven** - see p. 46.
www.kuleuven.be/MA/MAI

Master in Electrical Engineering - Biosystems Engineering

 This programme (BIOENGINEERING) establishes links between process modelling & control, signal processing and life science engineering. This specialisation provides electrical engineers with a solid background not only in industrial process automation but also in biological systems modelling and biomedical signal processing. The programme also involves completing both a research project and a dissertation under the supervision of an expert.

Length: one year (60 ECTS credits). – **Type of qualification awarded:** degree.

Admission requirements: a Master in Electrical Engineering or Computer Science.

 **University of Mons** - see p. 49.
portail.umons.ac.be/EN/university/facultes

Master in Electrical Engineering - Multimedia and Telecommunications

 The core of this programme (TELEMEDIA) is formed by applied courses on electricity as an information medium, i. e. in electronics, information technology (hardware and software), telecommunications, etc. It also involves completing both a project and a dissertation under the supervision of an expert, in collaboration with the FPMS NTIC cluster and the Multitel research centre. The programme also includes a series of industrial seminars.

Length: one year (60 ECTS credits). – **Type of qualification awarded:** degree.

Admission requirements: a Master in Electrical Engineering or Computer Science.

 **University of Mons** - see p. 49.
portail.umons.ac.be/EN/university/facultes

Science, Engineering & Technology

Master of Science in Nuclear Engineering

 The Belgian Nuclear Higher Education Network (BNEN) is a consortium of six universities and SCK•CEN that join forces to maintain and further develop a high-quality modular Advanced Master in nuclear engineering. All courses and practical exercises are organised at SCK•CEN in Mol. BNEN participates in the European Nuclear Education Network (ENEN).

Length: one or two years (60 ECTS credits). – **Type of qualification awarded:** degree.

Admission requirements: Master in Sciences or Master in Engineering Sciences, subject to the approval of the BNEN Steering Committee.

 **SCK•CEN** - see p. 54.
www.sckcen.be/bnen

 Belgium's Princess Elisabeth polar station, which was officially inaugurated in 2009, is the **first zero-emission research station** to be operated solely on renewable energy and plays host to scientists, including Belgian academics, conducting leading-edge research in areas such as climate change and biodiversity. To keep the ecological impact to an absolute minimum, the station was built using environmentally friendly materials and its wastewater is purified and, where possible, recycled.

 www.antarcticstation.org



Master of Space Studies

 This programme, organised together with Ghent University, covers an area that is a driving force behind important innovations in science, technology and society. As well as acquiring in-depth knowledge of disciplines such as space sciences, space technology and space law, policy, business and management, participants improve their previously acquired space exploration skills, whilst being introduced to the thought and work patterns of other related disciplines.

Length: one year (60 ECTS credits). – **Type of qualification awarded:** degree.

Admission requirements: holders of a Master in humanities and social sciences, exact sciences and technology or biomedical sciences.

 **University of Leuven** - see p. 46.
www.kuleuven.be/MA/EMASPACE

Master in Technology for Integrated Water Management

 Demand is increasing worldwide for integrated skills that can be used in water-related R&D. This programme, organised in conjunction with Ghent University and the Antwerp Maritime Academy, is designed to equip students with the skills they need to understand the state of the art in water management and technology and aims to improve their grasp of concepts and systems and enhance their knowledge of tools and technologies.

Length: one academic year (60 ECTS credits), 10 modules. – **Type of qualification awarded:** degree.

Admission requirements: a Master's degree in sciences, applied sciences, applied biological sciences or nautical sciences.

 **University of Antwerp** - IMDO (Institute of Environment and Sustainable Development) - see p. 44.
www.watertechnology.be



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INVENT
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Imec aims to shape the future.

A unique combination of scientific knowledge and research with global partners makes imec a world leader in the development of nanoelectronics. More than 1,750 top talented people, including 650 industrial residents and guest researchers, work with enthusiasm in the headquarters in Leuven, Belgium, as well as in the offices in The Netherlands, Taiwan, US, China and Japan. They deliver solutions in ICT, healthcare and energy that allow people to have a better life in a sustainable society.

www.imec.be



Transport & Logistics

Master

Master of Transportation Sciences

 A modern, international transport system is important to ensure the movement of people, goods and information in an (inter)national context. This multidisciplinary Master's programme trains students and practitioners in the field to identify transportation and traffic safety problems and to come up with solutions while taking into account a number of parameters: economical, social, urban, environmental and infrastructural. **Length:** two years (120 ECTS credits) on campus or by semi-distance learning.

Type of qualification awarded: degree.

Admission requirements: at least a university diploma or degree certificate or a diploma of higher education equivalent to a Bachelor's degree (180 ECTS credits).

 **Hasselt University** - see p. 41.
www.uhasselt.be/transportationsciences

 **Belgium is a centre for logistics and a major hub for the distribution of goods and services.** The country boasts the world's densest road system and its fourth densest rail network. Furthermore, Belgium has the highest concentration of ports in Europe, with four sea ports (Antwerp, Ghent, Zeebrugge and Ostend) and two river ports (Liège and Brussels). Moreover, the Port of Antwerp is (after Rotterdam) not only the second biggest port in Europe, but (after Houston) also home to the second largest petrochemical cluster in the world.



Advanced Master

Master in Transport and Maritime Management

 The Advanced Master in Transport and Maritime Management (MTMM) prepares students for the challenges faced by transport companies today and enables people working in the transport sector to upgrade their technical knowledge and abilities by means of state-of-the-art academic courses combined with general management training. The programme uses a wide variety of teaching methods and styles that are designed to create a challenging and stimulating learning environment.

Length: one year, or eight-month short-track programme (60 ECTS credits). – **Type of qualification awarded:** degree.

Admission requirements: university or college degree (minimum of four years) in a relevant subject (applied economics, law, commercial or civil engineering or commercial, political, maritime or nautical science).

 **University of Antwerp** - ITMMA (Institute of Transport and Maritime Management Antwerp) - see p. 44.
www.itmma.ua.ac.be



“Teaching and research excellence in pursuit of healthcare for all”

- Peptides to patients to populations
- Amid a vibrant city
- Partner-institutes all over the world
- Tropical diseases to health care management



Master Courses

Specialised Short Courses

PhD Programmes

5 Doing a PhD in Belgium

In this chapter:

Why in Belgium?

Geared to research, tailored to the individual

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Where in Belgium?

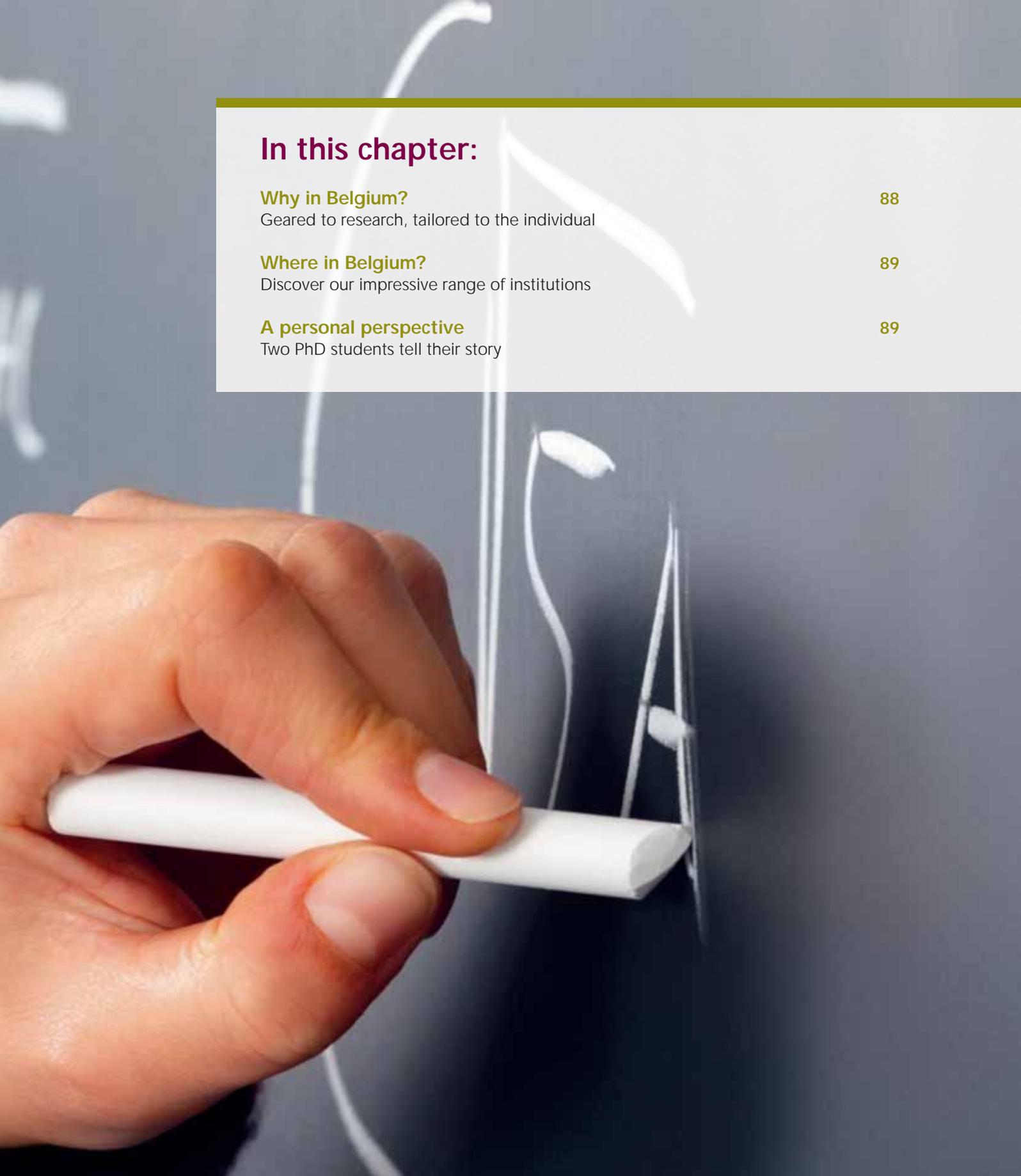
Discover our impressive range of institutions

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A personal perspective

Two PhD students tell their story

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Doing a PhD in Belgium

A PhD, the highest academic qualification you can be awarded by a university in Belgium, involves undertaking an in-depth study of a specific topic within a domain. You conduct independent research which contributes to the development and expansion of academic knowledge and write up the findings in a PhD thesis. You then give an oral presentation of the thesis to a panel of experts and defend the findings in response to their questions about it.

Since writing a thesis is no easy task, you will receive guidance throughout your PhD from a supervisor, who is an academic with expertise in an area that is closely linked to your research topic.

While the thesis will be the main focus of your PhD, you will also take part in a training programme for doctoral researchers, in which you can take courses or attend conferences that are of particularly use for your PhD.

Why in Belgium?

Apart from the many general advantages of studying in Belgium previously mentioned, there are a number of other benefits to pursuing a PhD here. PhD programmes in Belgium have an **out-and-out research focus**, meaning that, in general, you can start your research on day one and dedicate over 50 percent of your time to it from then on. This approach contrasts with that in the USA for example, where often the first year is devoted to gaining a purely

theoretical knowledge of your research area. The aim of any PhD is to make an innovative contribution to existing academic knowledge. To this end, you will almost always be appointed a supervisor who is not only a senior academic but is also a highly experienced researcher. In addition, you will be encoura-



ged to participate in conferences and to publish your findings, thereby enhancing your research expertise. Furthermore, PhD programmes in Belgium take an **individual and extremely flexible approach**. For instance, PhD students have the opportunity to conduct their research not only in a research group at one of Belgium's many universities, but also at a business school or a research centre with strong ties to a university, or even at a private company. The training component of Belgian PhD programmes allows students to choose *à la carte* from a wide range of courses, thereby tailoring their learning to their own individual needs and requirements. PhD students are free to choose courses from other faculties

and universities, enabling them to go beyond the limits of their research area and develop transferable skills alongside academic expertise. This ensures PhD students are well prepared for a career either in academia or elsewhere. Business schools, universities and research centres in Belgium offer the

unique combination of a stimulating environment and an intercultural setting. Belgium has a well-developed, state-of-the-art research infrastructure, and the proportion of foreign PhD students is also one of the highest in the OECD countries. Students can pursue a PhD in English anywhere in Belgium. In fact, more and more Belgian students are also opting to study for their PhDs in English. The resulting combination of PhD candidates leads to a mix of cultures and disciplines that makes for an interesting exchange of approaches and background knowledge. Universities in Belgium welcome cooperation with foreign universities and research centres and, by taking a double, joint or Erasmus Mundus joint PhD, students

will have the opportunity to conduct some of their research abroad. Although the quality of PhDs in Belgium is outstanding, **registration fees are relatively low** due to the major investments in research made by the country's various authorities. On top of this, **many grants are available**, on a competitive basis, from a wide range of bodies, which means that taking a PhD does not have to be a financial strain. While PhD students in Belgium officially enrol as students at a university, on a day-to-day basis they are actually treated more like university personnel, meaning that they enjoy both the benefits of being a student and the advantages of being a member of staff. Finally, universities in Belgium attach great importance to **technology transfer**, i.e. putting research results to practical use in business or society. They also offer specific services that publicise research findings to representatives from the world of enterprise and help students to establish spin-off companies or to make timely patent applications. With its many European and multilateral (public and private) institutions and organisations, Belgium is also the perfect place to **build a professional network** which will be a great advantage if you subsequently decide to join the labour market or seek new sources of funding for further research projects.

Where in Belgium?

A PhD can only be awarded by a university. But that does not mean that a university research group is the only place where you can work towards one. Far

from it in fact – you can also conduct your research at a business school or at one of the many research institutions dotted across the country. All of them enjoy close ties with universities in Belgium and abroad. When conducting

your research away from a university setting, you will of course always be supervised by an academic who is affiliated to a university and you will also formally enrol at a university, which is where you will present your PhD, ►►

A personal perspective

Name: Ali Kassem
Nationality: Lebanese
Age: 28

What made you choose Belgium for your PhD?

Ali: "After completing my Bachelor's degree in Lebanon, I came to Belgium in 2007 to take a Master in Molecular Biology programme in preparation for a PhD. Belgium is renowned for its expertise in my field and is home to some of the top research institutes in the world. I am about to finish the first year of my PhD in molecular parasitology, studying the *trypanosoma brucei*, a parasite that causes sleeping sickness."

What does your average day involve?

Ali: "My time is spent almost entirely on research, as it has been since day one. I work with 20 others in the molecular parasitology laboratory, which is a great, dynamic environment as we can continually share experiences and discuss each other's findings."



I suppose you also have a PhD supervisor?

Ali: "Yes, of course. I am lucky enough to have as my supervisor one of the leading researchers in my field. We work closely together and have a good relationship, so if for example I have some questions, I can just go and see him for a few minutes rather than having to make an official appointment."

So you don't regret your choice?

Ali: "Not at all. Belgium has a lot to offer PhD students. First of all, you do not need to learn a new language as you can do your whole PhD in English. Secondly, you have a good chance of obtaining a scholarship which is enough to enjoy a good lifestyle. The same conditions apply for Belgian and international students, so foreigners are more than welcome to apply. Furthermore, Belgium is very international and the people here are open-minded. In Lebanon I would never have had the opportunity to have contact with so many nationalities in my daily life. Here, my friends come from all over the world, which is something I really relish."

A personal perspective

Name: Elisabeth Camerotto
Nationality: Italian
Age: 28

What made you come to Belgium?

Elisabeth: "I came to Belgium for a traineeship as part of my Advanced Master studies in physics. During my studies in Italy I heard that imec had a good reputation, so it was an easy decision."

Did it live up to expectations?

Elisabeth: "Yes, it did! One of the great things about imec is that it provides an open environment where junior researchers have access to all the labs and people are willing to share their knowhow. What's more, it boasts state-of-the-art research and top-quality infrastructure. I must say that I was really impressed the first time I came here. During my traineeship I gained a real appetite for research and I wanted to stay here so I applied for a PhD position in microelectronics, on which I have been working for more than one and a half years now."

Are there a lot of other international students like you?

Elisabeth: "Yes. There are research-

ers from more than 50 countries at imec, which is a very stimulating place to be both from a research and a personal perspective. I am working with people from all over the world with whom I exchange ideas on a daily basis. Furthermore, apart from a range of social activities, imec organises an international event once or twice a year for all its staff where you can get to know your colleagues better, making you really feel at home."



So being in Belgium has been a positive experience?

Elisabeth: "When I arrived in Belgium, the university helped me a lot with finding a flat and dealing with administrative issues, which made me feel

welcome. Economically, PhD students are in a very fortunate position in that we are treated like members of the working population and have access to the social security system. Other key benefits are Belgium's impressive network of universities and the fact that PhD students have free access to all kinds of courses (for example on presentation or scientific writing skills), which expand your skills and prepare you for a career in academia or elsewhere."

- **Université catholique de Louvain** – see p. 42.
www.uclouvain.be/en-doctorat.html
- **Université libre de Bruxelles** – see p. 43.
www.ulb.ac.be/rech/ed/homedoctoraten.html
- **University of Antwerp** – see p. 44.
www.ua.ac.be/phd
- **University of Leuven** – see p. 46.
www.kuleuven.be/phd/
- **University of Liège** – see p. 48.
www.ulg.ac.be/phd
- **University of Mons** – see p. 49.
www.umons.ac.be/phd
- **Vrije Universiteit Brussel** – see p. 50.
www.vub.ac.be/phd/english/

b) Business schools

- **Antwerp Management School** (in collaboration with a university) – see p. 30.
www.uams.be
- **HEC Management School – University of Liege** – see p. 32.
www.hec.ulg.ac.be/EN/index.php
- **Louvain School of Management** – see p. 34.
www.uclouvain.be/ilsm
- **Solvay Brussels School of Economics and Management** – see p. 36.
www.solvay.edu/SBS-EM/Programmes-PhD.php
- **Vlerick Leuven Gent Management School** (in collaboration with a university) – see p. 38.
www.vlerick.com

c) Research institutes (in collaboration with a university)

- **imec** – see p. 54.
www2.imec.be/be_en/education/phd.html
- **Institute of Tropical Medicine** – see p. 51.
www.itg.be/phd

- defend its findings and officially be awarded your PhD certificate. Herewith you will find a list of all the institutions featured in this brochure where you can undertake all or part of your PhD.

a) Universities

- **Ghent University** – see p. 40.
www.ugent.be/en/phd
- **Hasselt University** – see p. 41.
www.uhasselt.be/phd

- SCK•CEN, Belgian Nuclear Research Centre – see p. 54.
www.sckcen.be/PhD
- VIB – see p. 55.
www.vib.be/VIB/EN/Ph.D.+program/
- VITO – see p. 55.
www.vito.be/PhD

- ① To learn more about a PhD in Belgium and the institutions where you can conduct your research, see the following websites (and also the long list of useful links on page 17):
- www.studyinlanders.be/en/information-on-research/research/
 - www.ciuf.be (in French)

A PhD in close cooperation with a company

Another option is to undertake your PhD in close cooperation with a company. A number of authorities in Belgium provide support for such an arrangement by e.g. cofunding the personnel and operating costs involved in a PhD project. See the following links for more information:

- For companies with their offices in Flanders: Baekeland grants www.iwt.be/subsidies/baekeland-mandaten (in Dutch)
- For companies based in the Brussels-Capital Region: subsidies to hire highly skilled personnel on a temporary basis (as from the first half of 2011): www.irsib.irisnet.be



Belgian Nuclear Research Centre

SCK•CEN is one of the largest research centres in Belgium. Currently, about 640 employees advance the peaceful industrial and medical applications of nuclear science.

SCK•CEN is an important partner for both national and international education and training projects directed towards the nuclear, non-nuclear and medical sectors.

Our education and training activities include:

- Guidance for young researchers at Master, PhD and post-doc level.
- Organisation and coordination of courses.
- Provision of policy support.
- Research on a transdisciplinary approach to education and training.

www.sckcen.be
info@sckcen.be



Research towards a sustainable option

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