

KU LEUVEN

BRUSSEL

**Are you ready to get down
to business?**

**BUSINESS ADMINISTRATION
BUSINESS ENGINEERING**

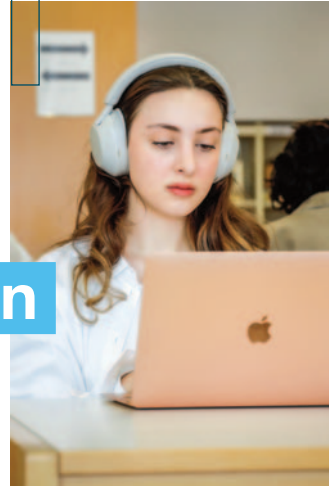
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A university ranked in the top 100
in all global university rankings

#43

in the Times Higher Education
World University Ranking

#63

in the QS World University
Ranking

#78

in the Academic Ranking
of World Universities



Why KU Leuven

Founded in 1425, KU Leuven is home to brilliant minds set free to wonder, following their curiosity and putting their ingenuity to the test. Our 15,000+ international students can choose from more than 100 programmes taught in English. Classroom material is based on the work of more than 7,000 world-class researchers carrying out cutting-edge work in thoroughly modern facilities.

The pull to study at KU Leuven is strong, as the University enjoys a world top-50 ranking and a global reputation as a premier academic destination. But that education is made available to just about everyone willing to accept the challenge.

Students at KU Leuven pay some of the world's lowest tuition fees for a university of its calibre, ensuring that deserving talents from all economic backgrounds have access to a superb education. As a result, students from more than 150 countries now constitute a full 20% of the student body, with no one country dominating the international representation. This inclusive excellence has transformed the University into a global institution well positioned for success in the next 600 years.





Bachelor of Business Administration

**Everything you
need to know**



01

The programme in 3 minutes

The world of business touches on almost all realms of human activity, speaking to those with the vision to organise resources and make the right decisions. KU Leuven's programme in Business Administration arms students with the knowledge and tools to translate their vision into decisive action. Our graduates understand the issues at play, see how they interact, and make the decisions needed to perform at the very highest levels of business.

The Bachelor of Business Administration presents students with the full range of business as a human science. No previous economics knowledge is necessary or presumed, although a deep curiosity about business processes is an absolute requirement. Courses explore the multifaceted nature of commercial endeavours, including the basics of management, finance, accounting, law, regulations, marketing, psychology and more.

**How do social media fit into
the overall strategic
marketing plan?**

**How can a firm finance a
merger or an acquisition?**

This programme is for the mature student ready to handle the challenges and possibilities inherent in living in one of the world's most influential cities. Mathematics and statistical skills are an ingrained part of the curriculum, from a starting summer mathematics course to weekly maths study sessions. An emphasis is also placed on working in multiple languages, a natural extension of living and studying in multi-lingual Belgium and Brussels. Students refine their abilities in English through courses and workshops. Additionally, students can choose to study an additional language to encourage familiarity with today's polyglot business environment.

Courses are held at KU Leuven's Brussels Campus in the heart of the central city, mere steps away from leading financial firms and EU organisations. Our students are an internationally minded cadre ready to take on a full-time academic schedule and responsible enough to handle life in Brussels. The location enables the possibility for internships at a wide spectrum of international firms and organisations.



9,874

students at the Faculty of Economics and Business

2,845

international students



EQUIS accreditation

The EQUIS accreditation places our faculty amongst an elite international circle of accredited business schools and faculties.

Roughly half of our students choose to go an extra step and spend time abroad on an exchange programme.

The reward for the diligent KU Leuven business graduate is a wealth of options. After graduating from the bachelor's programme, students can pursue one of KU Leuven's many master's programmes to receive specialised training in their preferred field of business. Many of our graduates move on to a doctorate at KU Leuven or a further degree from some of the finest institutions in the world.

If you prefer to go into the working world, this programme's rigorous coursework and sterling reputation ensures that graduates get to choose from amongst multiple job offers. No matter which route you choose, where you go with your KU Leuven degree will be up to you.

How does a healthy work-life balance contribute to employees well-being?



An evolving field

Today, companies have to find their way in an increasingly complex economy. How did your favourite pair of jeans, the latest mobile phones and even a cup of coffee from the tropics come to be sold in a shop in your neighborhood?

Globalisation has extended markets far beyond borders whilst technology keeps global commerce moving 24 hours a day. Dizzying advances in technology such as AI have become commonplace in the analysis and implementation of business strategies. Networks of distribution become more intricate. Supply chains become more fragile. And the pace of change is only increasing; with some products and services becoming more complex, whilst others grow obsolete.

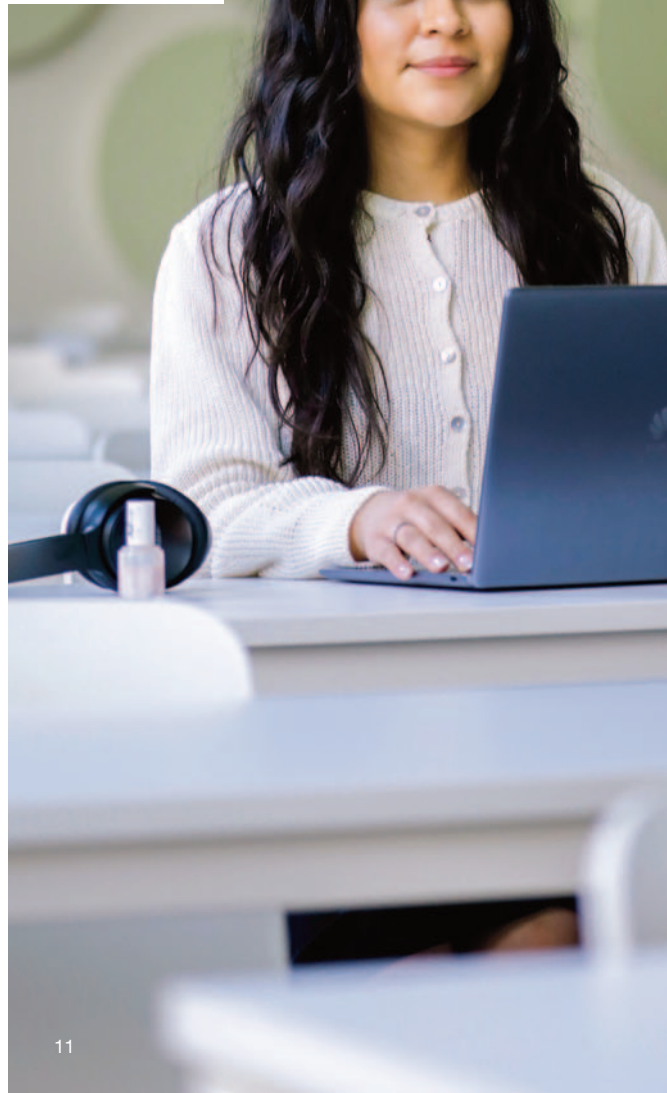
Meanwhile, consumers demand prompt and customised service at the best price.

Employees demand reasonable hours and a good work/life balance. And shareholders demand ever-increasing profits.

The requirements of modern business can seem overwhelming to the untrained eye. Yet graduates of Business Administration navigate these straights every day. They tackle the turmoil head-on and find joy in the global puzzle. The world may be growing more complex, but the task for Business Administration graduates remains timeless: find the opportunities that serve people and help businesses grow.

What if there were no business administrators?

- If there were no business administrators, the world of commerce would quickly descend into operational chaos.
- A lack of business administrators would lead to disorganisation, inefficiency, and a lack of direction. Essential tasks such as managing schedules, resources and processes would suffer.
- Financial mismanagement would run rampant, leading to cash flow problems, financial instability and even bankruptcy.
- Companies would fail to adhere to financial reporting requirements, resulting in fines, legal battles and damage to their reputations.
- Human resources management would suffer and employee productivity would decline due to lack of proper guidance, resource allocation, and effective problem solving.



Are you a good fit for this programme?

Students in Business Administration have an unrelenting desire to organise available resources for maximum efficiency, whether for a multinational corporation or a local sandwich shop.

They should be interested in all aspects of an organisation's operation, from internal matters like staffing and morale to external issues such as internationalisation and supply chains. A successful student is a problem solver, always seeking to balance business formulas for profit and financial viability.

You are interested in the world of business and are looking for a well-rounded programme that provides you with academic knowledge as well as hands-on expertise. Market research, measuring employee satisfaction, production scheduling or solving problems in finance often require statistics and maths. A good background in mathematics is therefore a necessity in mastering these topics.

Diploma requirements

To be eligible for admission to the Bachelor of Business Administration, you must have access to academic higher education in the country where you completed your secondary education.

You can verify whether your secondary qualification meets the minimum eligibility criteria here:

www.kuleuven.be/eligibility-bachelor

Language requirements

Depending on where you completed your secondary education, you either have to take one of the accepted language tests, or you are exempted from taking one.

Mathematical requirements

Depending on the type of secondary school degree and where you have obtained it, you either have to take one of the accepted Mathematics tests or you are exempted from taking one.

For the most recent – and only official – information on admission requirements, check:

www.kuleuven.be/bachelor-business-administration

What does the Business Administration programme look like?

The Bachelor of Business Administration programme is taught in English and has a strong international focus. It is both hands-on and academic. It follows a practice-as-orientation and science-as-foundation approach. You will develop the academic skills necessary to complete assignments, conduct research and write your bachelor's thesis. You will hone your analytical, academic and professional communication skills. You will learn to think critically and to present your findings in a concrete and concise manner.

Truly international

Located within two hours of London, Paris and Amsterdam, Brussels offers you a unique opportunity to study in the heart of Europe. Both on and off campus, you will live and study in a truly international and multicultural environment enabling you to build a strong personal network.

Our Bachelor of Business Administration will challenge you to meet and work closely with students from other cultures and nationalities.

Diversity within the programme is impressive, with roughly 80 nationalities represented.

Interdisciplinary

Our interdisciplinary approach prepares you to address and solve business problems by drawing on insights and experiences from multiple disciplines and perspectives – often as a member of a team. In this way, the programme simulates the real world of business and leverages input from a multitude of cultural backgrounds and worldviews.

Business orientation and entrepreneurial learning

Business orientation is the core focus of the programme. We invite international managers and government officials to share their experiences with students at guest lectures held throughout the year. You will acquire valuable managerial skills through management projects.

You will develop the skills that are important to business professionals: entrepreneurship, interdisciplinary thinking, management skills (e.g. teamwork, meeting skills, negotiating, professional reporting and time management), a knowledge of languages and, of course, business contents and academic skills.

Additionally, you can participate in an internship where you will acquire relevant professional experience in a work environment.

Mathematics: a key component of the programme

Today's business administrators often use mathematical models to describe reality in a logical way. The language of mathematics provides powerful tools to describe and explore such models. By learning this language you develop skills in recognising structure, systematic problem solving, and checking the plausibility of an obtained result. You will also refine your knowledge of mathematics in courses such as statistics, economics, financial accounting and research methods. We offer a range of tools to help you develop your mathematical skills during the academic year, including additional hours, exercise groups, and study sessions.

Language skills

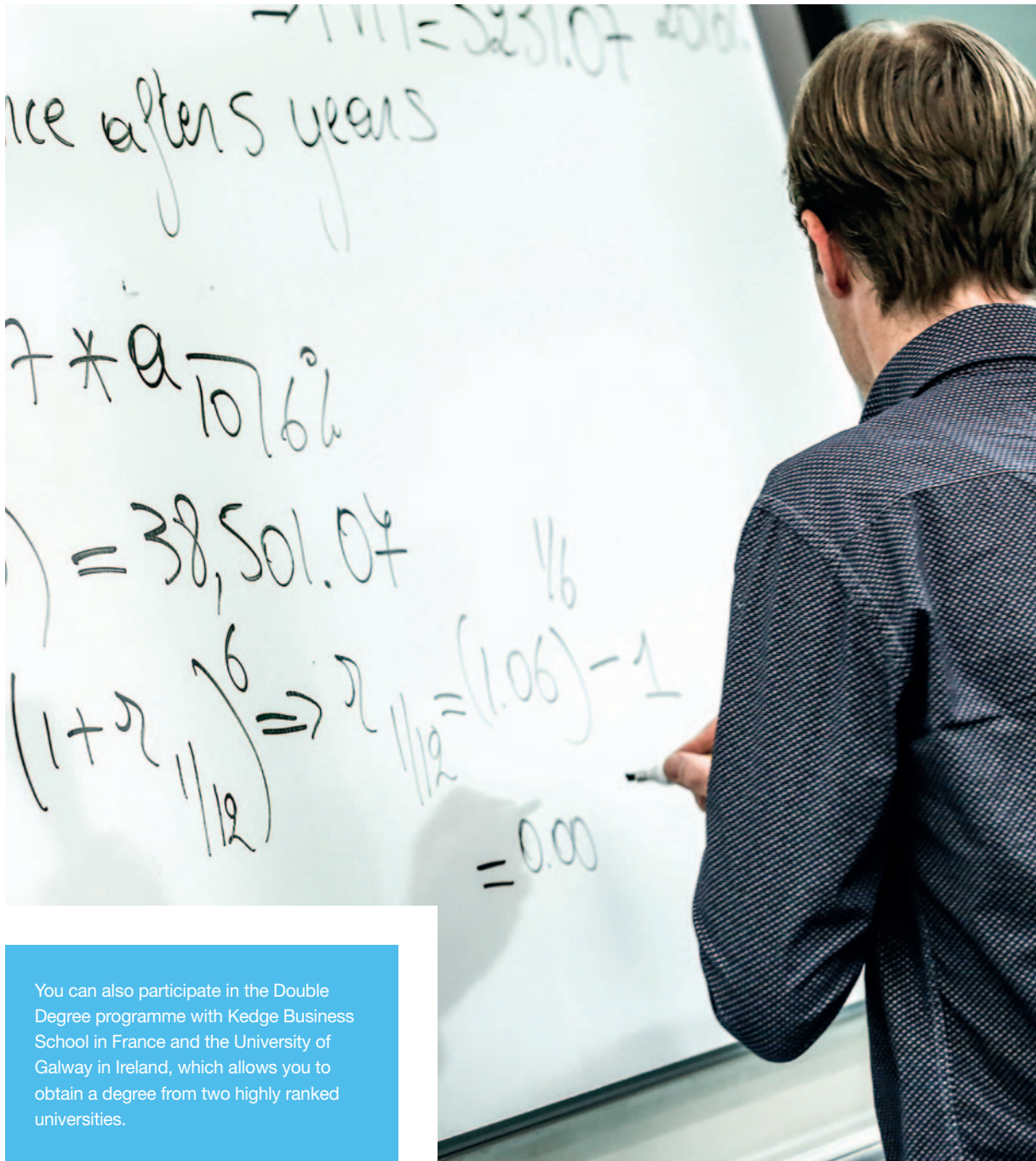
As all courses are taught in English, you will graduate with excellent English language proficiency. Intensive language courses in Dutch, French, Spanish and German are also offered for students wishing to improve their command of a foreign language. It is even possible to follow courses in French in an exchange programme with a French-speaking university in Brussels.

Programme structure

The Bachelor of Business Administration programme is structured along five domains:

- Management of Business Domains
- Economic Analysis and International Orientation
- Entrepreneurship and Innovation - Professional Skills and Employability
- Mathematical and Statistical Techniques - Research skills
- Behaviour, Society and Law

You are taught by researchers as well as business managers. You work on a management project to develop the management and communication skills that are important to business professionals.



You can also participate in the Double Degree programme with Kedge Business School in France and the University of Galway in Ireland, which allows you to obtain a degree from two highly ranked universities.

The degree programme

1

BACHELOR

ECTS

Financial Accounting	6
Financial Institutions and Markets	6
Management	6
Research Methods 1	3
Descriptive Statistics and Probability for Business	6
Mathematics for Business	6
Microeconomics for Business	6
Philosophy	3
Psychology	6
Introduction to Law	6
English	6

Check the details
of your study
programme online

www.kuleuven.be/bachelor-business-administration



2

BACHELOR

ECTS

Financial Statement Analysis	6
Strategic Management	3
Personnel and Organisation	6
Operational Management	3
Marketing	6
Management Project	6
Research Methods 2	3
Inferential Statistics for Business	3
Introduction to Methods in Operational Research	3
Macroeconomics and Economic Policy	6
Economic Sociology	3
Data and Programming Skills	6
Elective modules	
- Languages and Management	6
- European Studies	6

3

BACHELOR

ECTS

Management Accounting	3
Corporate Finance	6
Entrepreneurship and Business Planning	3
Principles of Taxation	3
ICT Management	6
Multinationals and European Institutions	6
Research Methods 3	6
International Economics	3
Economics and Ethics	3
Elective modules	
- Languages and Management	9
- European Studies	9
Bachelor's Thesis	
- Business Project	6
- Career Development	3

What will your classes look like?

At KU Leuven you will follow lessons in different ways using various forms of education. Sometimes you will be in large groups, other times in smaller groups. The basics of many courses will be taught to you in lectures. In addition, there are practicals, tutorials, group work, seminars, flipped classrooms and more that will challenge you to participate actively. These interactive teaching formats will give you the opportunity to quickly get to know your fellow students and lecturers, ask questions and receive any necessary support. The blend of on-campus and distance learning, supported by innovative technology, requires students to be present on campus.



Lectures

During lectures you will gain a deeper insight into the content, thought process and internal coherence of a subject. They offer you an essential framework for processing the subject matter, both during self-study and in smaller learning groups such as tutorials and practicals. Online polls, discussion forums and knowledge clips about specific parts of the subject matter ensure active involvement.



Projects

During a project you will work together with a group of fellow students on a concrete case. Together, you will divide the tasks and work on solving a business economics problem using practical examples.

Combining studies with a student job is quite challenging and may affect your study results. When calculating your budget, we advise you not to count on income from a student job. The number of available jobs is limited, and most jobs require fluent knowledge of Dutch (or French), making it very difficult to find a student job.



Interactive exercises and self-tests

For a number of course units, self-tests or interactive exercises are offered via a digital learning platform. In this way you will find out whether you have mastered the (basic) concepts taught during shorter segments of the course.



Business project

The main objective within the business project is conducting research on behalf of an organisation. This organisation is for instance a company, a government agency or a non-profit organisation. The business project is executed in a group.



Practice sessions

During practice sessions you will apply theory taught during the lectures. Smaller group work will invite you to go over the learning material from the lectures and do exercises under the guidance of study supervisors.

Courses in the first bachelor's stage

Economic Analysis – International Orientation

Microeconomics for Business

You become familiar with the basic principles and theories of economics, such as how supply and demand work in the market, consumer decisions or welfare analysis. The role of government in the functioning of the economy is also covered.



Management of Business Domains

Management

You are introduced to various dimensions of organisational management. This will later enable you to contribute to the development of an effective strategic policy. This is a general introduction to various facets of business management, which you will deepen in other courses. You become familiar with organisational, commercial, financial and operational policy within an organisation.



Financial Accounting

The registration and analysis of financial information are essential competences for business students. Reliable financial information is the basis for numerous business decisions taken by various internal and external stakeholders of an organisation (e.g. current and/or future shareholders, management of the organization, financial institutions, creditors, etc.). You are introduced to the fundamentals of double-entry bookkeeping based on general accounting principles and accounting law. You learn to deal critically with the relative importance of accounting information and with the impact that certain accounting choices have on the annual accounts.



Financial Institutions and Markets

In the course Financial Institutions and Markets, you are introduced to the basic principles and terminology of banking, finance and investment. The starting point is the study of the organisation and operation of a financial institution. The course examines the variety of funding sources and the use of those funds. You will become familiar with the various types of accounts, investment products and loans offered by a bank. You will also learn about product valuation and the calculation of costs and returns.

In addition, the course will introduce you to the workings of financial markets in which banks, other financial institutions, institutional and retail investors all operate. The course will explain stocks and bonds in detail and discuss their valuation. This is illustrated with practical examples and frequent references to current events, media and numbers enabling students to solve concrete financial issues using the correct terminology and formulas.



Mathematical and Statistical Techniques – Research skills

Mathematics for Business

You will apply basic mathematical concepts and skills to (business) economic situations. In the first stage, you cover single, multi-variable and series functions. The main focus is on formulating and solving (business) economic problems, with an emphasis on optimisation models.



Descriptive Statistics and Probability for Business

You learn methods for understanding different types of data. You summarise and interpret data clearly. You get a general overview of descriptive techniques to perform univariate and bivariate analyses, using statistical software. In addition, you will learn the basics of probability theory and theoretical probability distributions and be introduced to explanatory statistics.



Research Methods 1

You will learn about and apply the essential characteristics of applied research within business studies. You will learn what research entails and how it is designed and conducted in an academic environment.



Behaviour and Society

Psychology

You will be introduced to psychology as a science. You learn to explain individual behaviours and processes (sensation, perception, learning, memory, thinking, intelligence, creativity, emotion, motivation and personality) as well as social behaviours and processes (social perception, social influence, social interaction, behaviour in groups, behaviour between groups, behaviour and society). You will later build on these elements in various course units (human resources and organisation, marketing, banking and scholarship).



Philosophy

It is difficult to answer essential questions about the core of economics without a philosophical background. Drawing on a wide range of theoretical frameworks, you tackle current social and economic problems in an ethical and philosophical way. You will explore a number of themes such as logic, philosophy of science and the limits of science and technology.



Law

Introduction to Law

You will get an overview of the legal rules that govern economic life. A general introduction is followed by further examination of business and contract law. Finally, you will be introduced to economic law, which includes commercial law and market law. This course is good preparation for the later legal course units in your degree programme.



Languages

English 1 & 2

Graduates of the Faculty of Economics & Business will have to be communicatively active and skillful as working professionals. English has a unique position as an international language in that respect and is an obvious object of study for students in an international programme. It also has immediate effect in the students' educational context as all communication on, for and in their courses is in English.

English 1 aims to equip students with the linguistic tools necessary to perform adequately in an academic programme that is taught in English.

Therefore, the course emphasises writing skills, brushes up the students' grammar, and tackles topics that allow students to broaden their horizons and their knowledge of the English lexicon.

English 2 focuses on presentation skills and academic writing. In the process of the preparation of the presentation and academic writing, students will further enhance their knowledge of academic, business and general English vocabulary.



— Planning to succeed

This schedule represents a typical week for a student. As you can see, studying is considered a full-time job.

WE MO

MONDAY

08.30 - 10.30	Financial Institutions and Markets (lecture)
10.30 - 12.30	Microeconomics for Business
13.30 - 15.30	Mathematics for Business A (lecture)

WEDNESDAY

08.30 - 10.30	Research Methods 1
10.30 - 12.30	Microeconomics for Business
13.30 - 17.30	Management



TH

THURSDAY

08.30 - 10.30	English 1
10.30 - 12.30	Mathematics for Business A (practice)
13.30 - 15.30	Financial Accounting A
15.30 - 17.30	Financial Institutions and Markets (lecture)

FR

FRIDAY

10.30 - 12.30	Microeconomics for Business
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SA

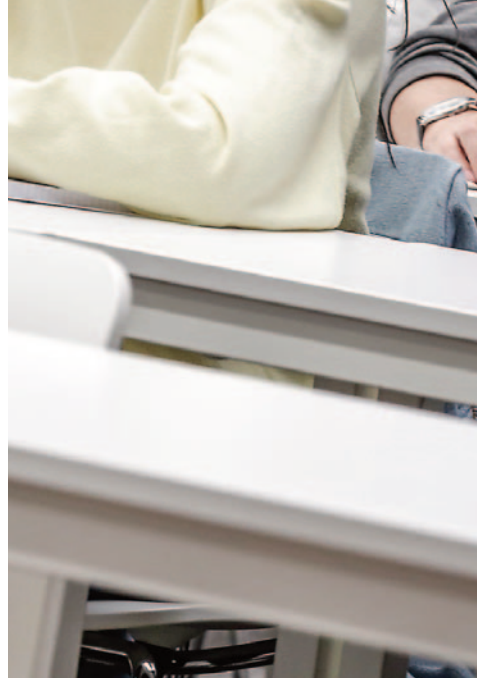
SATURDAY

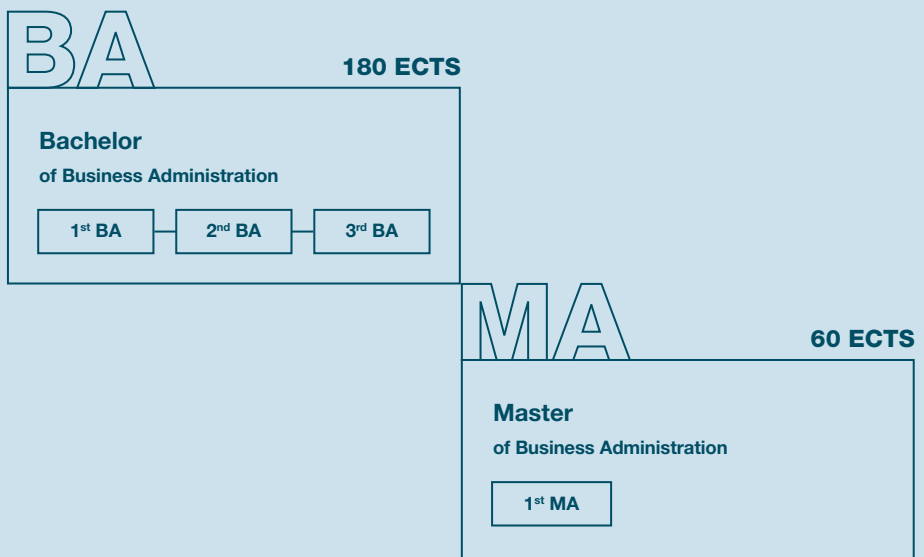
10.00 - 11.00	Planning for the next week
14.00 - 18.00	Organising banking and markets notes

SU

SUNDAY

14.00 - 17.00	Study Economics
17.00 - 19.00	Study banking and markets





Credits (ECTS)

Credits indicate the size of a course (e.g., 180 credits) or a course unit (e.g., 5 credits).

One credit corresponds to 25 to 30 hours of study time (the time an average student should spend on that course unit: including class attendance, preparation, studying and research).

A total of 60 credits corresponds to one year of full-time study.



After your bachelor's degree

Master of Business Administration

60 ECTS

The Master of Business Administration allows students to tailor their programme according to their individual needs and career goals. The programme builds on solid academic knowledge as well as on hands-on experience. The programme's core courses focus on the development of leadership skills and the ethical, sustainability and corporate responsibility aspects of the business world. Students can choose track modules to specialise in a specific management area

or develop general management skills. The elective courses enable students to deepen their knowledge within their track or to expand their knowledge base by choosing courses in other fields. The master's thesis and business research methods enhance the student's research and analytical skills. Additionally, the programme offers optional internships and participation in business projects.

What would your professional future look like?

All opportunities
with your degree



Your diploma is the starting point ... you shape your career

Business administrators are managers who can make informed strategic decisions in response to economic challenges and opportunities. The majority of students continue their education in KU Leuven's MBA programme in Antwerp or Brussels. Although many graduates go on to graduate-level studies, the Bachelor of Business Administration certainly has value in its own right in today's job market. We are well-equipped to support you in this respect: Students and young alumni can consult relevant job vacancies and internships via our online career platform Career Corner. And you will also have the opportunity to meet with potential employers at job fairs, panel talks or other career activities organised throughout the year on and off campus.

As a graduate, you possess knowledge that can be successfully applied in a wide range of careers and sectors. Depending on your personal interests and career goals, your degree will give you access to positions in purchasing, sales, marketing, production control, planning and budgeting, financial management and ICT. Graduates also find employment in banks and insurance companies, join the civil service or one of the European institutions, or start their own companies.

www.feb.careercorner.be

Bachelor of Business Engineering

Everything you
need to know



02

The programme in 3 minutes

We live in a highly complex and interconnected world, one where we must navigate rapid technological changes, global competition, and evolving consumer expectations. Corporations and organisations face similar challenges.

To thrive in this environment, they make critical decisions that affect every aspect of their operations, from financial planning to marketing strategies, production efficiency and human resource management.

The Business Engineering programme equips students with the skills and knowledge to understand and optimise these decisions. The approach is multidisciplinary and includes a thorough study of all major business domains such as finance, accounting, marketing, logistics and human resources, as well as the economic, legal and social landscape in which businesses operate. Additionally, the programme emphasises the development of strong analytical skills. Students learn how to use data analysis, mathematical modeling and IT tools to make informed decisions, optimise business processes, predict outcomes and assess risks.

**How can we programme
traffic sensors to favour
situations that result
in less air pollution?**

**How to turn an innovative
idea into a market-ready
product?**

Since analytical skills are a core part of the Business Engineering programme, students are expected to have a solid background in mathematics. They will also need to anticipate working in multiple languages, a natural extension of living and studying in multilingual Belgium and Brussels. Students refine their abilities in English through courses and workshops whilst studying at least one additional language to foster familiarity with today's polyglot business environment.

Our Bachelor of Business Engineering is a jointly organised programme with the Université Catholique de Louvain (UCL). Courses are held at KU Leuven's Brussels Campus and on the Brussels Campus of UCL located in the heart of the central city, mere steps away from leading financial firms and EU organisations. Our students are internationally minded and prepared to take on a full-time academic schedule whilst responsibly managing their life in Brussels. The location provides opportunities for internships at a wide range of international firms and organisations. Roughly half of our students take an extra step by spending time abroad on an exchange programme.



EQUIS accreditation

The EQUIS accreditation places our faculty amongst an elite international circle of accredited business schools and faculties.

Joint degree with UCLouvain Saint-Louis-Bruxelles

A diligent Bachelor of Business Engineering graduate is rewarded with seemingly endless options. After graduating from the bachelor's programme, students can pursue one of KU Leuven's many master's programmes to receive specialised training in their preferred field of business. Many of our graduates move on to a further degree from some of the finest institutions in the world or a doctorate at KU Leuven. If you prefer to go into the working world, our programme's rigorous coursework and sterling reputation ensures that graduates get to choose from amongst multiple job offers, not the other way around. No matter which route you choose, where you go with your KU Leuven degree will be up to you.

How to optimise a warehouse layout in order to efficiently handle rapid growth in order volumes without significantly increasing costs?



An evolving field

What will be the next technology to upend the business world? Will it be the full integration of AI at every level of service delivery?

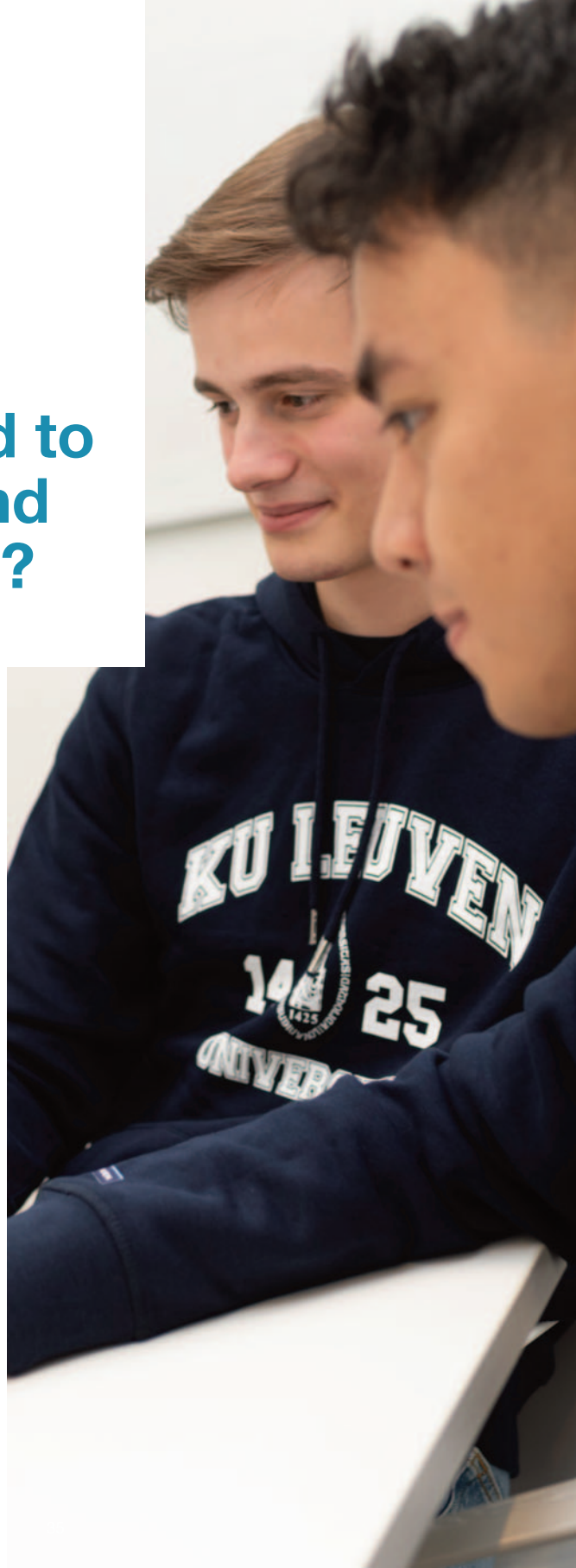
The widespread implementation of the blockchain to track goods in supply chains? The revelation of patterns and optimisation of markets through big data?

The truth is nobody knows. What we do know is that more change is coming to the business world, and that change is coming fast. It takes more than a nimble mind to stay at the forefront of business in the 21st century: it takes an intricate knowledge of business processes and top-notch computational skills.

Business Engineering's combination of business economics, quantitative methods and technology offers you the opportunity to develop a unique multi-disciplinary approach towards business. Which makes the Business Engineering programme extremely relevant and future-proof in today's unpredictable world.

What value do business engineers add to companies and organisations?

- Without business engineers, companies would fail to understand and utilise technological advancements at the speed needed to match modern commercial needs.
- Business engineers streamline operations, integrate new technologies, and improve overall efficiency, meaning their absence would lead to highly inefficient processes and systems within companies and organisations.
- Without business engineers, technical experts would spend more time putting out fires than implementing effective business advancements.
- Thousands of jobs hinge on business engineers keeping companies relevant in changing marketplaces. Without business engineers, companies would stagnate and fail to adapt to changing business needs and models.



Are you a good fit for this programme?

You are fascinated by the roles of various business domains and their economic context:

- You want to master a variety of mathematical and statistical techniques for business problem solving.
- You aim to build a strong background in ICT and information management.
- You seek a business perspective on science and engineering.
- You value collaboration in multicultural teams.
- You wish to study in the vibrant city of Brussels.
- You aspire to international management roles in multinationals, SMEs, non-profits or government organisations.

Do you have strong analytical and abstract thinking skills? A solid foundation in mathematics? If so, this programme invites you to unlock your potential.

Diploma requirements

To be eligible for admission to the Bachelor of Business Engineering, you must have access to academic higher education in the country where you completed your secondary education. You can verify whether your secondary qualification meets the minimum eligibility criteria here:

www.kuleuven.be/eligibility-bachelor

Language requirements

Depending on where you completed your secondary education, you either have to take one of the accepted language tests, or you are exempted from taking one.

Mathematical requirements

Depending on the type and nature of your secondary school degree, you either have to take one of the accepted Mathematics tests or you are exempted from taking one.

For the most recent – and only official – information on admission requirements, check:

www.kuleuven.be/bachelor-business-engineering

What does the Business Engineering programme look like?

In the Business Engineering programme, you will study business economics and various functional areas, including accountancy, financial management, marketing and operations.

You will focus on designing and optimising business processes, such as launching new production methods and improving service efficiency. Understanding human behaviour and the economic environment is vital, so you will learn key economic concepts and legal frameworks that affect business operations.

You will enhance your analytical skills by mastering mathematical and statistical techniques to solve business problems, such as staff planning and sales predictions. You will also develop ICT skills for effective data management. Following an introduction to natural and applied sciences, you will evaluate the impact of innovation on companies and sustainability.

Two institutions, one programme, one degree

The Bachelor of Science in Business Engineering is a joint programme organised by the Faculty of Economics and Business of KU Leuven and the Faculty of Economics, Social and Political Sciences and Communication of the UCLouvain Saint-Louis – Bruxelles. Both institutions are situated in the heart of the city, near Brussels Central Station. Students will attend courses and take exams at both institutions and obtain a joint degree.

Mathematics and statistics: crucial building blocks

Today's business engineers often use mathematical and statistical models to describe reality in a logical way. The language of mathematics and statistics is a powerful tool to describe and explore those models.

By learning this language you develop your skills in recognising structures, systematic problem-solving and checking the plausibility of the obtained result. You will also refine and apply your knowledge of mathematics and statistics in various courses, including linear optimisation, operations research, econometrics, accounting, finance, science and technology.

Language skills

You will graduate with an excellent level of English as that is the language of instruction in all courses. The programme also offers intensive language courses in Dutch, French, Spanish or German thereby allowing students to improve their proficiency in a foreign language.

Programme structure

The Bachelor of Business Engineering programme is a multi-disciplinary programme, consisting of courses within the domains of:

- Management of Business Domains
- Design of Business Processes
- Mathematical and Statistical Techniques - Research Skills
- Natural and Applied Sciences
- Economic Analysis and International Orientation

The combination of these domains makes the Business Engineering programme very relevant in today's world. The unique combination of business economics, quantitative methods and technology will offer you the opportunity to cultivate a sought-after multidisciplinary approach to business.



The degree programme

1

BACHELOR

ECTS

Economics I	5
Economics II	6
Introduction to Financial Markets	4
Financial Accounting A	3
Financial Accounting B	3
Marketing	6
Introduction to Law	6
Mathematics for Business Engineers I	6
Mathematics for Business Engineers II	6
Foundations of Business Information Management	4
Global Economic History	5
English 1	3
English 2	3

Check the details
of your study
programme online

www.kuleuven.be/bachelor-business-engineering



2

BACHELOR

ECTS

Microeconomics	6
Human Resource Management	5
Financial Statement Analysis	6
Production and Logistics Management	6
Linear Optimisation	3
Probability Theory and Descriptive Statistics	3
Statistics for Data Science	6
Software Development	3
Conceptual Physics with Technical Applications	6
Electronic Circuits, Systems and Data Processing	5
Geopolitics	3
Spanish 1 – German 1 – Dutch 1 – French 1*	3
Spanish 2 – German 2 – Dutch 2 – French 2*	3

3

BACHELOR

ECTS

Macroeconomics	5
Business Project	6
Management and Strategy	5
Management Accounting	3
Corporate Finance	5
Operations Research	6
Business Information Systems	6
Econometrics	3
Materials: Properties, Selection and Sustainability	5
Ethics and the Economy	5
Spanish 3 – German 3 – Dutch 3 – French 3*	3
Elective Courses	8

* You will take one language choice from the second bachelor year onwards. The language of your secondary school diploma cannot be chosen.

What will your classes look like?

The programme uses a variety of course formats, including on-campus and online lectures, presentations, case studies, discussion sessions and exercises. These all align with the programme's profile and objectives, student needs and the learning process intended by the lectures. This combination of learning activities fosters appropriate learning behaviour and ensures students meet all learning objectives. The blend of on-campus and distance learning, supported by innovative technology, requires students to be present on campus.



Lectures

During lectures you will gain a deeper insight into the content, thought process and internal coherence of a subject. They offer you an essential framework for processing the learning material both during self-study and in smaller learning groups such as tutorials and practicals. Online polls, discussion forums and knowledge clips actively involve you in the lesson.



Practice sessions

During practice sessions you will apply theory taught during the lectures. Smaller group work will invite you to go over the learning material from the lectures and do exercises under the guidance of study supervisors.



Knowledge clips

In a short video, you will learn more about a specific subject, particular concept or basic principle.

Combining studies with a student job is quite challenging and may affect your study results. When calculating your budget, we advise you not to count on income from a student job. The number of available jobs is limited, and most jobs require fluent knowledge of Dutch (or French), making it very difficult to find a student job.



Learning paths

You will learn to process the learning material independently and step by step via a learning path. Different forms of digital learning material are combined in this approach.



Business game

During the business game in the second bachelor's year, you will learn to convert insights from the course components into management decisions for your own virtual company. You will do this by integrating information from marketing, finance and personnel policy from a strategic perspective.



Business project

The main objective within the business project is conducting research on behalf of an organisation. This organisation may be for instance a company, a government agency or a non-profit organisation. The business project is undertaken in small groups of students.

Courses in the first bachelor's stage

Economic Analysis

Economics I

This course will give you insights into the microeconomic mechanisms of a market economy. You will study the theoretical frameworks of supply and demand, consumer and producer behaviour, government policies and different forms of markets. You will learn to use these microeconomic concepts and mechanisms to carry out a rigorous analysis of real-life economic problems and economic policy recommendations.



Economics II

You will acquire a conceptual framework for analysing macroeconomic questions, by studying topics such as national accounts, the monetary system, financial markets and the labour market. Combined with recent factual knowledge on global growth and economic activity, this will enable you to understand and critically analyse macro-economic phenomena and problems in their various dimensions.



Global Economic History

This course offers you a general knowledge of world economic history and, thanks to a long economic historical perspective, gives you a better understanding of current economic realities and challenges. The course focuses on the different waves of globalisation in past and contemporary periods and their impact on the transformation of human societies (wealth, Institutions, etc.).



Management of Business Domains – Design of Business Processes

Introduction to Financial Markets

In this course, you will study interest rate products and model related problems including the present and future value of cash flow streams, annuities and perpetuities. You will look into the pricing of financial instruments and associated risks. Finally the importance of financial intermediaries is covered, focusing on the structure of the financial industry, the general principles of bank management and the logic of supervision and standards imposed on banks around the world.



Financial Accounting A & B

Registering and analysing financial information are essential competences for business students, since reliable financial information is the basis for numerous business decisions taken by various internal and external stakeholders of the organisation (e.g. current and/or future shareholders, management of the organisation, financial institutions, creditors, etc.). You will learn to apply double-entry accounting, based on general accounting principles and Belgian accounting law, and to translate the accounting information into financial statements.



Marketing

By acquiring the basic concepts of consumer behaviour, product management, distribution, communication, promotion and pricing, you will develop a general overview of the conceptual framework, methods and management principles of marketing. In addition, there will be a first introduction to online, international and sustainable marketing.



ICT-skills and Information Management

Foundations of Business Information Management

The first part of this course will give you an insight into the current state of the art in information and communication technology and information systems, and their use in a business context. Topics include information systems and strategy, global e-business and collaboration, fundamentals of business intelligence and securing information systems. The second part of the course introduces programming using Python.



Mathematical and Statistical Techniques

Mathematics for Business Engineers I & II

A sound knowledge of mathematical concepts and techniques enables business engineers to quantitatively formulate, model and solve economic and business problems. You will study univariate and multivariate analysis (limits and continuity, derivatives and partial derivatives, Taylor expansions, unconstrained and constrained optimisation problems, differential equations, univariate and multivariate integrals etc.) and linear algebra (linear systems, matrix calculus, determinants, vector spaces, linear difference equations, etc.).



Law

Introduction to Law

The course is an introduction to legal science, basic structures of legal systems, legal terminology and legal reasoning. You will get an overview of the legal rules that govern economic life. After a general introduction, business law and contract law are covered. Finally, you will be introduced to economic law, which includes commercial and market law.



Languages

English 1 & 2

Graduates of the Faculty of Economics & Business will need to be communicatively active and skillful as working professionals. The English courses focus on critical reading and discussion of academic and business texts and case studies, on academic writing and on presentation skills.

Through the various assignments, students will enhance their knowledge of academic, business and general English vocabulary.



$$\underbrace{T \cdot X_0}_{\substack{3 \times 3 \\ 3 \times 2}}$$

$$= \begin{bmatrix} 0.8 & 0.2 & 0.1 \\ 0.1 & 0.7 & 0.3 \\ 0.1 & 0.1 & 0.6 \end{bmatrix} \begin{bmatrix} \\ \\ \end{bmatrix}$$

$$= \frac{-25}{12} \frac{1}{4} + \frac{5}{12} \frac{1}{3} +$$

$$= \frac{-25}{48} + \frac{5}{12} + \frac{5}{12}$$

$$= \frac{-25 + 40}{48} = \frac{15}{48}$$

2) Methode: Gauß-Jordan

Augmentierte Matrix $\begin{bmatrix} 0.08 & & & \\ 5.12 & & & \\ 1 & & & \end{bmatrix}$

$\xrightarrow{\text{R2} - 0.08 \cdot \text{R1}}$ $\begin{bmatrix} 1 & & & \\ 0 & & & \\ 0 & & & \end{bmatrix}$

$(\Leftrightarrow) \begin{cases} a \\ b \\ c \end{cases}$

Methode: $AX = B$

$(\Leftrightarrow) A^{-1}(AX) = A^{-1}B$

$(\Rightarrow) (A^{-1}A)X = A^{-1}B$

$(\Leftrightarrow) IX = A^{-1}B$

$(\Leftrightarrow) X = A^{-1}B \quad | \text{G}$

$\Rightarrow Y = \frac{25}{24}x^3 - \frac{5}{8}x^2$

— Planning to succeed

This schedule represents a typical week for a student. As you can see, studying is considered a full-time job.

MO
TU
WE

MONDAY

10.30 - 12.30	Financial Accounting A (Practical)
14.00 - 16.00	Preparation practical session Economics I

TUESDAY

10.30 - 12.30	Marketing
13.30 - 15.30	Marketing
15.45 - 17.15	Economics I (UCL)

WEDNESDAY

08.30 - 10.30	Mathematics for Business Engineers I (Lecture)
10.30 - 12.30	English
15.45 - 17.15	Economics I (UCL)



TH

THURSDAY

08.30 - 10.30	Financial Accounting A (Lecture)
10.30 - 12.30	Mathematics for Business Engineers I (Lecture)
13.30 - 15.30	Global Economic History (UCL)

FR

FRIDAY

10.30 - 12.30	Mathematics for Business Engineers (practical)
14.00 - 17.00	Assignment Financial Accounting A

SA

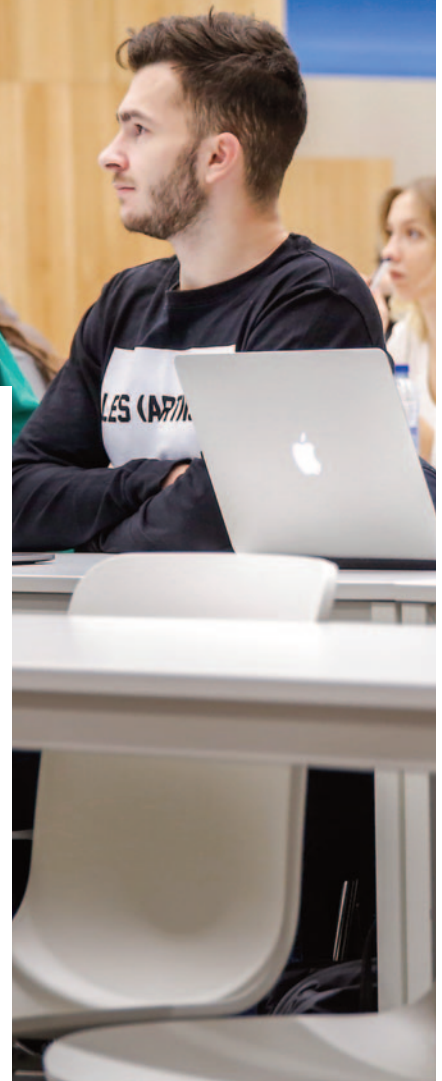
SATURDAY

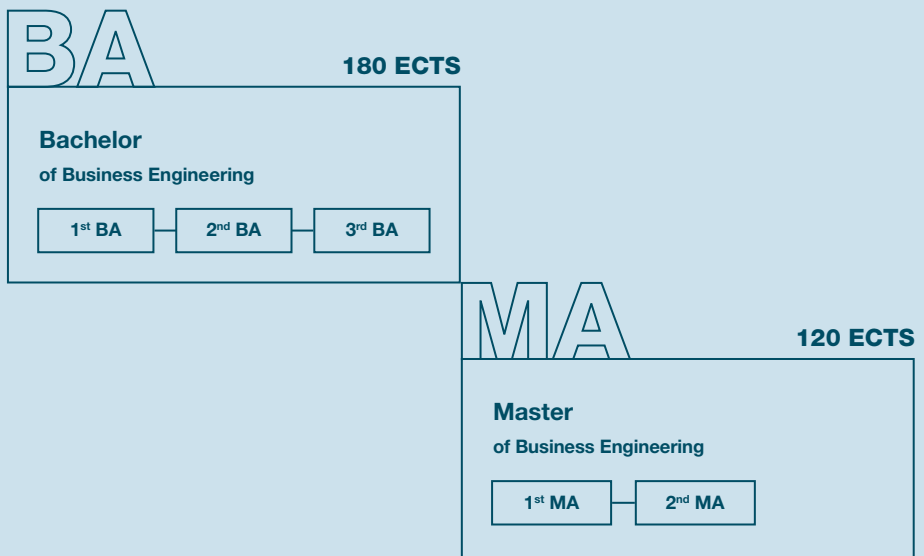
10.00 - 11.00	Planning for the next week
14.00 - 17.00	Organising notes Marketing & Global Economic History

SU

SUNDAY

9.00 - 14.00	Revising Math past week
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Credits (ECTS)

Credits indicate the size of a course (e.g., 180 credits) or a course unit (e.g., 5 credits).

One credit corresponds to 25 to 30 hours of study time (the time an average student should spend on that course unit: including class attendance, preparation, studying and research).

A total of 60 credits corresponds to one year of full-time study.



After your bachelor's degree

Master of Business Engineering

120 ECTS

The Business Engineering programme offers an advanced quantitative and science-based training in business economics and its various business disciplines. The managerial focus is combined with developing strong analytical skills and a profound understanding of how business and (technological) innovation processes work. The programme has strong foundations in engineering sciences, but is also intimately connected to the humanities.

This integration of disciplines is highly relevant to production environments as well as to service companies (e.g. consultancy or ICT). You choose a major that allows you to specialise in one aspect of business economics and management. In addition, you choose a minor to deepen your knowledge or to broaden it towards another discipline.

Other master's programmes

With your bachelor's degree, you can also progress on to other master's programmes such as the Master of Actuarial and Financial Engineering, Master of Statistics & Data Science, Master of Business Economics, Master of Information Management, Master of Business Administration and the Master of Economics.

What would your professional future look like?

All opportunities
with your degree



Your diploma is the starting point ... you shape your career

After obtaining the Bachelor's degree in Business Engineering, you can continue your studies in this field by completing the Master's degree in Business Engineering. However, you are also prepared for many other master's degrees in Economics and Business with a strong quantitative focus.

A degree in Business Engineering opens many doors in a wide range of sectors. Generally speaking, business engineers take up managerial functions in various business domains, including, but not limited to, the management domain of their major or minor. They usually start their careers taking on expert positions within companies (e.g. banking and insurance, ICT, telecom, logistics), in research or in consulting services and move up to executive functions.

Clearly, with a degree in Business Engineering, you are fit to join management in any department of a company or organisation. Moreover, a business engineer's unique profile is highly valued by companies in Belgium and abroad. Thanks to language courses and many opportunities to train your language skills at a foreign partner institution, you will be well-prepared to embark on an international career.

Students and young alumni can consult relevant job vacancies and internships on our online career platform Career Corner. And, you will also have the opportunity to meet with potential employers at job fairs, panel talks or other career activities organised throughout the year on and off campus.

www.feb.careercorner.be

Ready to get started?

An answer to your practical questions

03



Get prepared for a smooth start

Online preparatory track for Mathematics

If you have any gaps in your mathematical knowledge, you can start preparing before your bachelor's programme by joining the online preparation track. The SOWISO innovative learning platform will provide you with explanations, examples and endless randomised practice exercises with personal feedback on all answer attempts. Each topic offers an initial test so you can assess what you have already mastered.

Brushing-up course - Bachelor of Business Administration

We offer a range of opportunities to help you assess and develop your mathematical/statistical skills even before starting your bachelor's degree. This is done through online assessment tests and an on-campus brushing-up course at the start of the academic year.

Find out more about the brushing-up course, the assessment test and the basic mathematical knowledge we assume you to have before starting your studies on the webpage.

Brushing-up course - Bachelor of Business Engineering

In order to brush up your maths skills, a refresher course and a mathematics assessment test are held in the run-up to the beginning of the academic year. The one-week course reviews a number of important topics and is a great way to meet your teachers and fellow students.

Please consult the website in advance for a detailed description of the mathematical topics you are expected to have covered before entering the Bachelor of Business Engineering programme. The website has several sample questions to help you check if your level of mathematics is adequate.

Information on the refresher course and the assessment test – including dates and registration – can be found at:

www.kuleuven.be/programmes/bachelor-business-engineering

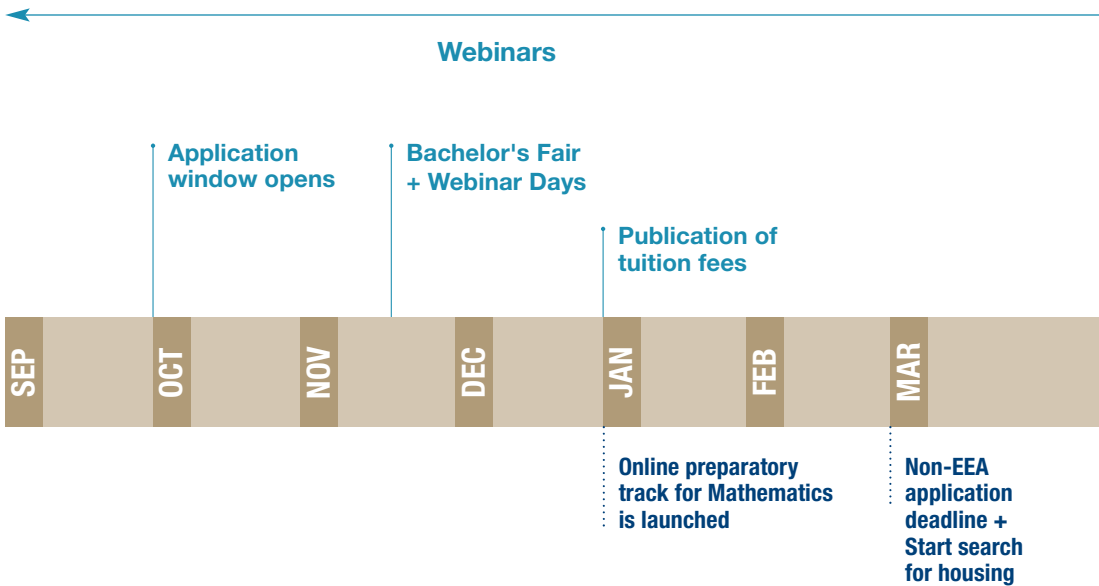


Additional care

Everyone should be able to study, even if this seems less obvious due to a disability, learning disorder, medical problem, etc. You can make use of support facilities both during the academic year and during exam periods. Be sure to apply to have your status recognised in a timely manner so you can work with our disability officer to find solutions tailored to your needs.

www.kuleuven.be/studentswithadisability

The year preceding enrolment



Application deadlines

The deadline for these bachelor programmes for non-EEA applicants is 1 March. EEA applicants can apply until 1 July. Applicants holding a Belgian residence permit can apply until the start of the academic year. Late submission of applications will not be considered.

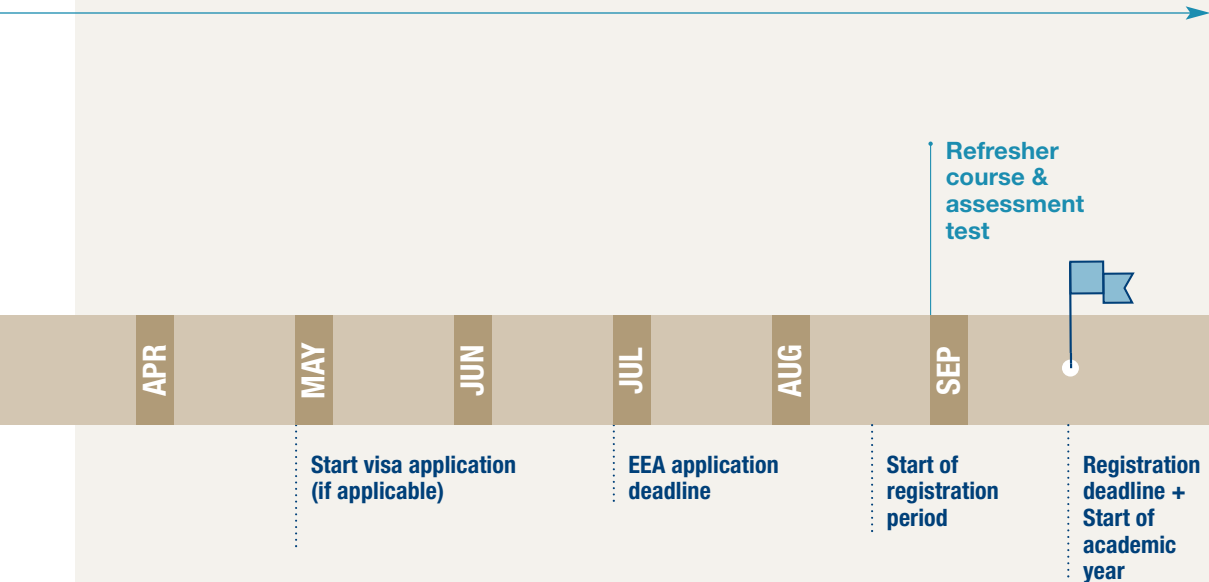
For the most recent - and only official - information on application deadlines check:

www.kuleuven.be/application-windows

Bachelor's Fair

At this live info fair, you can ask all your questions about our international bachelor's programmes. Our staff will answer all your questions about studying in Belgium and KU Leuven, and you can also ask questions about your application or admissions.

www.kuleuven.be/open-days



Webinars

KU Leuven offers webinars on a range of topics to aid you in the process of choosing a university, applying for a programme, searching for housing, obtaining a student visa and preparing your arrival. In November, we have a special two-day event called 'Webinar Days' where you have the unique opportunity to follow a webinar about your desired field of study. There is always room for your questions during the Q&A part of the webinar.

www.kuleuven.be/webinars

Tuition fees

It is worth noting that our tuition fees are more affordable than in many other European countries thanks to generous government financing of the higher education system. Although all of our programmes are very affordable compared to equivalent universities around the world, the fees for any individual student are contingent upon their choice of academic programme and the nationality of the student. Check out our tuition fees for your particular programme:

www.kuleuven.be/tuitionfees

Application procedure

KU Leuven uses an online application system. You will make a personal admissions account and upload the required documents.

At this stage, questions about application procedures are best directed to the Admissions Office. You can then submit your application once you are ready.

www.kuleuven.be/application

Students with a Flemish degree can consult:

www.kuleuven.be/register-flemish-degree

Visa application

As an internationally oriented university, it is our aim to support our international students the best we can. When coming to Belgium, you may need a visa or entry document.

The specific documents you will need, and the manner in which you request and submit them, will depend on your situation. Once you are admitted to study at KU Leuven, you will receive specific information and guidance for your situation from our international expert services.

www.kuleuven.be/immigration

Housing

In Brussels, most students choose to rent a student room ('kot' in Dutch) in a privately-owned house with shared common spaces and facilities. Brik – the service desk for students in Brussels – manages the student room finder Mykot, which features more than 4,000 rooms, both from Brik and from private owners.

www.mykot.be/en

The most important consideration is to start looking for housing as soon as possible. Planning to start in September? Then the early part of the year is great time to get a sense of what will be available in the autumn, even if you have not yet received your acceptance letter.



Studying in Belgium?

Everything you need
to know about living and
studying in Belgium



04



Study in Brussels

An international campus in every respect, located in the capital of Europe. Programmes at our Brussels Campus are designed to reflect and benefit from this international environment. Students drawn to this campus – both Belgian and international students – appreciate the intellectual atmosphere and culture they find in Brussels. In addition to offering students the excitement and challenges of a large city, the campus makes every effort to create a close-knit international community where students of all nationalities can feel at home. Brussels is also the ideal hub for exploring many other European cities, such as Paris, Amsterdam, Cologne and London, which are all merely a train ride away.

www.kuleuven.be/brussels-campus

Do business in the heart of Europe

Learn business where business is done! Brussels is the economic heart of Europe. As a business hub, it has a central position in Europe and it hosts the EU and NATO, as well as a diverse range of international trade and finance organisations.

Brussels is where hundreds of multinational corporations have their (European) head offices and where many important political and economic decisions are made. Your campus is situated in the heart of this decision-making centre: a head start for launching your career. Studying at a comprehensive university ranked 43rd in the world (Times Higher Education University Rankings 2025) guarantees an interdisciplinary approach and a healthy balance between rigour and relevance.

Living in Belgium

Belgium is a safe and peaceful country steeped in history and fully engaged in our modern world. Possessed of an advanced economy with special emphasis on medicine and medical technology, Belgium is one of the world's leaders in education, design and shipping. Belgium straddles the line between French and Germanic cultures, but Belgian people generally speak English quite well, so there is no need to learn another language. Thousands of students look for internships and jobs in Belgium's intellectual economy that includes some of the most innovative companies in Europe, many of them spin-offs from KU Leuven itself.

Chat with our student ambassadors

Ever wonder what the real KU Leuven student experience is like? Ask those who know! Our student ambassadors are current KU Leuven students who are happy to share their personal experiences studying at our University. There are ambassadors from all over the world, making it likely that you can find one from your own country and culture. Whatever your situation, you can use our handy ambassador webpage to find a student whose experiences might match your own.

www.kuleuven.be/studentambassadors

Your home away from home

There are many ways for us to help you feel at home:

- We offer an **online community** that allows you to connect with future fellow students before arriving in Belgium. Come here to get to know others, find out more information about the University and get excited about what's to come!
- The **Buddy Programme** gets you connected with a student who knows the University and the town well. A buddy is a local student volunteer with whom you can share your international experience during your time in Belgium (and long after). They can help you from the start with practical matters and introduce you to student life in Belgium.
- Every year, the KU Leuven **Welcome Desk** at Brussels Airport offers a friendly face to arriving international students. The desk is set up two weeks before the start of the academic year in September and is open from early morning until late evening. Staff members and volunteers help incoming students get to campuses, make sure they know their way around and assist them with any other urgent questions.
- The **Orientation Days and Freshers' Days** help you get settled in and invite you to learn more about the University and the city. Activities include tips and tricks on studying and living in Belgium, guided city tours, cultural visits and lots of other opportunities to meet fellow students. You will also learn more about the structure and content of your study programme, how to use online tools to plan your lessons and exams, etc.

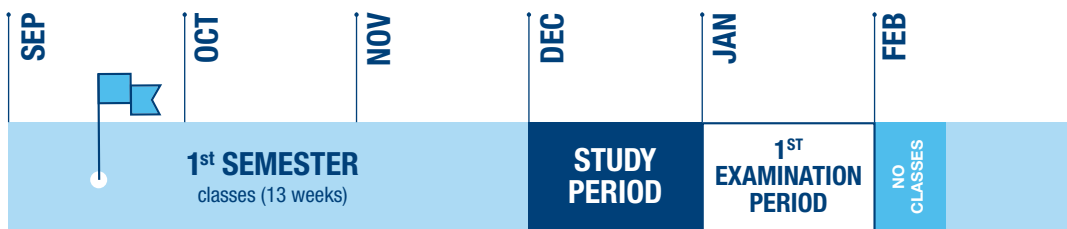


Bachelor's-master's progression

Bachelor's programmes at KU Leuven are three-year degrees of 180 ECTS credits. Programmes are divided into three stages, one for each year of the programme. Consequently, students are expected to reach each stage in good order and in good time. This means that the first bachelor's stage is reached in one year of study, the second in two years, and the third in three. Each stage allows the University the opportunity to verify a student's progress and see whether there are any issues in the smooth progression towards earning the degree. Your course and examination schedules will be set based on your progression through the three bachelor's stages.

Whilst the bachelor's degree is to be completed in three years, undergraduate education in Belgium is considered to include a master's degree, which is a programme of 60 ECTS to be completed in one year or 120 ECTS to be completed in two years. This differs from many countries around the world where a master's is considered a part of graduate education. The combination of a master's with the bachelor's degree ensures that students in Belgium reach a high degree of competency within their chosen academic field. The master's also allows students to complete a master's thesis, which will serve as a demonstration of skill and ability after graduation. It is not strictly required to pursue a master's after attaining a bachelor's degree in Belgium, but it is expected and highly encouraged.

One academic year in profile



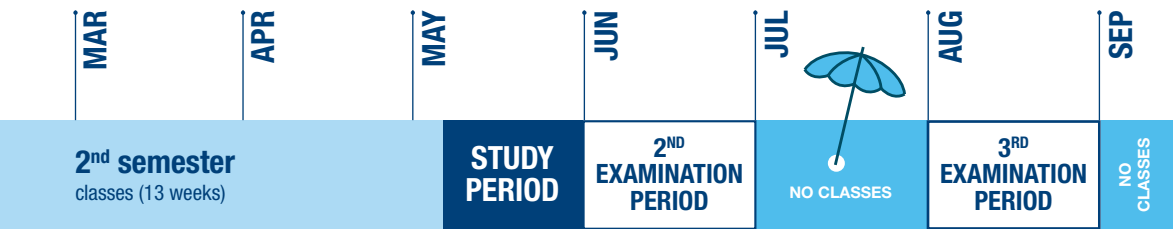
**Feedback
from your
study advisor**

Structure of the academic year

One semester consists of 13 weeks of classes, followed by a study period in which you can prepare yourself for your examination period. There are two semesters in one academic year.

Student guidance

Your first point of contact is the study advisor for your programme. If necessary, they will refer you to specialist services within KU Leuven. You will find that KU Leuven offers a great deal of personal autonomy, in that you will be responsible for initiating communications about well-being. But when you do reach out to us, you can count on personal guidance and care for all possible questions: study choice, study method and planning, subject-related questions, psycho-social well-being, your study path, etc.



**Feedback
from your
study advisor**

**Feedback
from your
study advisor**

Exams

You will take an exam for each course at the end of the semester in January and in June. These exams can be quite difficult. You will get another chance to retake any failed exams during the third examination period in August-September. If you do pass all of your exams then you get to enjoy a long summer vacation!

Studying together

One of the best ways to avoid distractions and gain valuable feedback is by studying in groups. Studying together has become increasingly popular. It inspires you and motivates you to study better, with your fellow students serving as a sounding board for challenges and helping you through difficult material. Group study locations are available in our libraries and faculty buildings.



Bachelor of Business Administration

Bachelor of Business Engineering

Business is fast-paced, dynamic arena that requires a sharp and nimble mind. Both the Bachelor of Business Administration and the Bachelor of Business Engineering will prepare you to navigate the modern business world from a place of confidence. You will hone analytical skills, refine modelling ability, improve professional communication and discover a host of other abilities necessary to stay ahead in changing times.

KU Leuven. Inspiring the outstanding.

KU LEUVEN



Graphic design: Altera | Printing: Van der Poorten | Photos: KU Leuven - Rob Stevens

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The information in this brochure does not constitute a legally binding offer by the University. The most recent information can be found at www.kuleuven.be/programmes.