



INAB1BA - Introduction

Introduction

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Completing a bachelor's degree in business engineering in a bilingual French-English programme is an asset in a globalised professional world. It allows students to take part of their bachelor's degree in English. All courses take place on the Saint-Louis - Bruxelles campus in the centre of Brussels (near Botanique and Rogier metro stations).

Studies in business engineering mainly combine courses in economics and management with courses in the sciences (quantitative methods, physics, chemistry and technology). Management studies are aimed at informing decision-making within companies (or private or public organisations), and are at the heart of the programme.

Areas such as financial analysis, marketing analysis, production management, human resources management and strategic analysis are covered. These subjects may be supported by a solid background in quantitative methods (mathematics and statistics).

The programme is rounded off with a good introduction to economic analysis.

Management decisions and company performance are inevitably influenced by the economic environment. Understanding this environment and how it affects a company is therefore essential.

Science and technology courses are designed to enable students to understand technological issues and interact with company specialists in these fields. In the first cycle, the programme includes courses in languages, law and the humanities.

Students are gradually prepared to take on managerial or consultancy roles in a company or a private or public institution.

Your profile

The bachelor's degree in business engineering is for you if...

- you have a good command of English
- you have a solid general education (mathematics, sciences and languages)
- you have taken advanced mathematics during the last two years of secondary education
- you are interested in management, economics and technology
- you are looking for an extensive programme which leads to several different opportunities.

There is no selection process for multilingual programmes.

- However, a written language test is held at the beginning of the year. It is used as a guide to assess language skills and to recommend or advise against a bilingual or trilingual programme.
- In the event of difficulties, there is the option to return to the unilingual programme in French, with language courses.

degree can be completed after the main bachelor's degree. A series of courses taken as part of the main programme count towards the additional bachelor's degree and are therefore no longer subject to assessment.

The additional bachelor's degree has the same value as the main bachelor's degree and provides immediate access to the corresponding master's degree.

The following second degrees are available:

- [Bachelor in Law \[Dual Bachelor's degree for the holder of a Bachelor in Business Engineering\]](#)
- [Bachelor in Philosophy \[Dual Bachelor's degree for the holder of a Bachelor in Business Engineering\]](#)

For further information, please contact the faculty administration: espo@usaintlouis.be.

INAB1BA - Teaching profile

Learning outcomes

Specific learning outcomes of students in the bilingual programme:

- The ability to take a course and the oral or written exam in English
- Knowledge of the cultural environment, particularities and ways of thinking associated with the English-speaking world
- The ability to conduct research in the field of economics and write a substantial academic paper in English

General learning outcomes

By the end of their bachelor's degree in business engineering, students will have acquired:

I. The disciplinary and methodological foundations of economics and management

- **A practical command of the fundamental concepts and models of economics and management**
- **The basic methodological tools needed for an academic approach to economics and management**
 - The ability to model economic phenomena
 - A command of the foundational fields of management
All economics and management CUs in years 1 and 2
- **The ability to analyse real economic and management issues**
Seminar courses in year 2 and year 3, advanced courses in economics and management in year 3
- **An in-depth understanding of the ethical and political dimensions of economic analysis**
In particular, the reflective and interdisciplinary dimensions of year 3 courses in economics
- **The ability to use mathematics and computer models to support analytical reasoning**
- **The ability to apply mathematical modelling to economic and social issues**
- **The ability to use mathematical and statistical tools to solve economic and management problems**
All CUs in mathematics and statistics
- **The ability to produce abstract reasoning using a formalised language and adopt a critical distance with respect to this process**
All CUs in quantitative methods; series of CUs in information technology

II. A grounding in areas which are complementary to economics and management

- **A practical command of core knowledge in the human, legal and social sciences which are essential for the analysis of economic and management issues**
- **A knowledge of the major areas of thought underlying the social sciences and humanities**
List of CUs in philosophy, sociology, political science, etc. CUs in law
- **The ability to see the connections between the different disciplinary skills and identify their complementarities**
Introductory interdisciplinary CUs: Ethics and the economy, Economic history, Economics: interdisciplinary perspectives

III. A grounding in science

- **An understanding of the scientific underpinnings of technological processes and information management and their respective implications in a management perspective**
 - An understanding of the fundamental concepts in chemistry and physics
 - Knowledge of basic technologies in the fields of chemistry and physics
 - Experience with the complexity of the processes of industrial chemistry and physics and the ability to discuss these with specialists in the field who are active in a business context
CUs in chemistry and physics; CUs in technology
 - The ability to use computer software and model problems in algorithmic form
Series of CUs in the area of information technology

IV. A grounding in the scientific method

- **The ability to demonstrate intellectual rigour in their academic work and analytical skills**
- **The ability to critically compare theoretical insights with real situations**
- **The ability to use the knowledge resources available at university, notably by acquiring expertise in the use of the methods and tools of documentary research**
 - The ability to make use of the models presented in lectures to solve real problems
LO of the practical work associated with CUs in economics, management and econometrics
 - The ability to manipulate and present quantitative data to illustrate economic and social phenomena
LO of the practical work in statistics, LO of the practical work in Economics II
 - The ability to maintain a critical distance with respect to theory and to critically review and analyse academic texts

V. High-level written and oral communication skills

- **The ability to demonstrate written and oral communication skills in two languages in addition to French, while defending a scholarly argument or presenting a piece of research in accordance with academic ethics**
 - The ability to produce intellectually rigorous personal reasoning, and to defend it both in written and oral forms
 - The ability to carry out university-level research work, notably through the use of statistical data
 - The ability to write a report in accordance with the standards of academic writing

LO for the practical work for all economics and management courses; Company management simulation

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⊗ BECGE1314

INAB1BA - 2ND ANNUAL UNIT

- Mandatory
- ⊗ Optional
- △ Not offered in 2024-2025
- ⊖ Not offered in 2024-2025 but offered the following year
- ⊕ Offered in 2024-2025 but not the following year
- △ ⊕ Not offered in 2024-2025 or the following year
- Activity with requisites
- 🌐 Open to incoming exchange students
- 🚫 Not open to incoming exchange students
- (FR) Teaching language (FR, EN, ES, NL, DE, ...)

Click on the course title to see detailed informations (objectives, methods, evaluation...)

o Content:**o Economics**

○ BECGE1217	Microeconomics ■	Koen Declercq	EN [q1] [45h +15h] [6 Credits] 🌐
○ BECGE1211	Macroeconomics ■	Jean-François Fagnart	FR [q2] [45h +15h] [6 Credits] 🌐

o Management

○ BECGE1213	Financial Statement Analysis ■	Yves De Rongé	FR [q1] [30h +15h] [4 Credits] 🌐
○ EKULB1320	Marketing		EN [q1] [52h] [5 Credits] 🌐

o Law

○ BECGE1220	Commercial law	Gabriela de Pierpont (compensates Pierre Jadoul) Yannick Ninane Yannick Ninane (compensates Pierre Jadoul)	FR [q1] [45h] [5 Credits] 🌐
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o Other Human and Social Sciences

○ BINGE1245	Sociology of markets and organizations	Tom Duterme	EN [q2] [30h] [5 Credits] 🌐
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o Computer Science and Quantitative Methods

○ BECGE1230	Foundations of business information systems	Wim Laurier	FR [q2] [30h +30h] [4 Credits] 🌐
○ BINGE1231	In depth Statistics ■	Cédric Heuchenne	FR [q1] [45h +22.5h] [5 Credits] 🌐
○ BINGE1232	Mathematics for business engineers III ■	Thierry Lavendhomme	FR [q2] [45h +15h] [5 Credits] 🌐

o Science and Technology

○ BINGE1242	Sciences and technologies III	Thomas Gathy Massimo Marotta Sébastien Toussaint	FR [q2] [45h +30h] [5 Credits] 🌐
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o Languages

<p>o BANGL1291</p>	<p>English II 🇬🇧</p>	<p>Julie George Garkov Priscilla Hemeleers Françoise Longrée (coord.) Isabelle Lukau Erwin Ochsenmeier (coord.) Madeline Riordan</p>	<p>EN [q1+q2] [0h +60h] [5 Credits] 🌐</p>
<p>o BNEER1281</p>	<p>Dutch II 🇳🇱 <i>Student who replaced the course unit of Dutch I the First Year by Dutch for Beginners I or Spanish I should follow the Second Year, the same course unit, higher level (Dutch for Beginners II or Spanish II). Additional informations are available at the Faculty secretariat.</i></p>	<p>Isolde Boutsen (coord.) Astrid De Munter (coord.) Guy Sirjacobs</p>	<p>NL [q1+q2] [0h +60h] [5 Credits] 🌐</p>

o Languages

INAB1BA - Information

Access Requirements

Decree of 7 November 2013 defining the landscape of higher education and the academic organization of studies.

The admission requirements must be met prior to enrolment in the University.

In the event of the divergence between the different linguistic versions of the present conditions, the French version shall prevail.

SUMMARY

- [General access requirements](#)
- [Specific access requirements](#)
- [Access based on validation of professional experience](#)
- [Special requirements to access some programmes](#)

General access requirements

Except as otherwise provided by other specific legal provisions, admission to undergraduate courses leading to the award of a Bachelor's degree will be granted to students with one of the following qualifications :

1. A Certificate of Upper Secondary Education issued during or after the 1993-1994 academic year by an establishment offering full-time secondary education or an adult education centre in the French Community of Belgium and, as the case may be, approved if it was issued by an educational institution before 1 January 2008 or affixed with the seal of the French Community if it was issued after this date, or an equivalent certificate awarded by the Examination Board of the French Community during or after 1994;
2. A Certificate of Upper Secondary Education issued no later than the end of the 1992-1993 academic year, along with official documentation attesting to the student's ability to pursue higher education for students applying for a full-length undergraduate degree programme;
3. A diploma awarded by a higher education institution within the French Community that confers an academic degree issued under the above-mentioned Decree, or a diploma awarded by a university or institution dispensing full-time higher education in accordance with earlier legislation;
4. A higher education certificate or diploma awarded by an adult education centre;
5. A pass certificate for one of the [entrance examinations](#) organized by higher education institutions or by an examination board of the French Community; this document gives admission to studies in the sectors, fields or programmes indicated therein;
6. A diploma, certificate of studies or other qualification similar to those mentioned above, issued by the Flemish Community of Belgium, the German Commu Tm4 Tm [(entrancvirtudocuCa465w,fded undeEuropeaionernchJ 1m [(ab Tmned if ita hvcertif [(the German Commu7nstitutions or b

- For any secondary school diploma **from a European Union country**, the admission request must contain the equivalence of your diploma or, at the very least, proof of the filing of the equivalence request with the Wallonia-Brussels Federation (French Community of Belgium). For any information relating to obtaining an equivalence, please refer to [the following site](#).
- For any secondary school diploma **from a country outside the European Union**, the admission application must contain the [equivalence of your diploma](#) issued by the Wallonia-Brussels Federation (French Community of Belgium). If you have a restrictive equivalence for the programme of your choice, in addition of it, you **must** have either the [DAES](#) or a certificate of successful completion of the [examination giving access to 1st cycle studies](#) when you submit your application

Access based on validation of professional experience

Admission to undergraduate studies on the basis of accreditation of knowledge and skills obtained through professional or personal experience (Accreditation of Prior Experience)

Subject to the general requirements laid down by the authorities of the higher education institution, with the aim of admission to the undergraduate programme, the examination boards accredit the knowledge and skills that students have obtained through their professional or personal experience.

This experience must correspond to at least five years of documented activity, with years spent in higher education being partially taken into account: 60 credits are deemed equivalent to one year of experience, with a maximum of two years being counted. At the end of an assessment procedure organized by the authorities of the higher education institution, the Examination Board will decide whether a student has sufficient skills and knowledge to successfully pursue undergraduate studies.

After this assessment, the Examination Board will determine the additional courses and possible exemptions constituting the supplementary requirements for the student's admission.

Special requirements to access some programmes

- Admission to **undergraduate studies in engineering: civil engineering and architect**

Pass certificate for the [special entrance examination for undergraduate studies in engineering: civil engineering and architect](#).

Admission to these courses is always subject to students passing the special entrance examination. Contact the faculty office for the programme content and the examination arrangements.

- Admission to **undergraduate studies in veterinary medicine**

[Admission to undergraduate studies in veterinary medicine is governed by the Decree of 16 June 2006 regulating the number of students in certain higher education undergraduate courses \(non-residents\)](#).

- Admission to **undergraduate studies in physiotherapy and rehabilitation**

[Admission to undergraduate studies in physiotherapy and rehabilitation is governed by the Decree of 16 June 2006 regulating the number of students in certain higher education undergraduate courses \(non-residents\)](#).

- Admission to **undergraduate studies in psychology and education: speech and language therapy**

[Admission to undergraduate studies in psychology and education: speech and language therapy is governed by the Decree of 16 June 2006 regulating the number of students in certain higher education undergraduate courses \(non-residents\)](#).

- Admission to **undergraduate studies in medicine and dental science**

[Admission to undergraduate studies in medicine and dental science is governed by the Decree of 16 June 2006 regulating the number of students in certain higher education undergraduate courses \(non-residents\)](#).

Note: students wishing to enrol for a **Bachelor's degree in Medicine** or a **Bachelor's degree in dental science** must first sit an [aptitude test \(fr\)](#).

- Access to **Bachelor of Science in Business Engineering**

The Bachelor of Science in Business Engineering is a joint program organised by KU Leuven and UCLouvain Saint-Louis Bruxelles. In order to register, all candidate must first submit an application via the [KU Leuven admission platform](#). The [conditions of access](#) to this programme are specific.

Teaching method

At Saint-Louis, lectures are given in moderate-sized auditoriums. This allows students to have close contact with their lecturers.

Course units in economics and quantitative methods are accompanied by practical work sessions in small groups.

In the first term, the English and law course units are accompanied by remedial classes for students experiencing difficulties in these subjects. Remedial classes in economics and mathematics are offered in the second term to students who did not pass these exams during the January exam session.

Methodological assistance

The faculty places great importance on educational support for all bachelor's programmes. The Academic Guidance Service (AGS) offers a range of activities and is available to meet students who wish to do so.

Evaluation

The evaluation methods comply with the [regulations concerning studies and exams](#). More detailed explanation of the modalities specific to each learning unit are available on their description sheets under the heading "Learning outcomes evaluation method".

Assessment of acquired knowledge (formal assessment) takes place during exam sessions. Most exams are written.

Three examination sessions are organised during the academic year, in January, June and August/September. First-year students who do not achieve passing grades in the January session have two opportunities to retake specific examinations, in June and September.

Formative assessments take place during the academic year in the form of practical work to be prepared. For some course units, a continuous assessment system is used in addition to the exam.

Mobility and/or Internationalisation outlook

Exchange programmes

UCLouvain Saint-Louis - Bruxelles has exchange agreements with universities outside the Fédération Wallonie-Bruxelles. These agreements allow students to take part of their bachelor's degree programme at a partner university while remaining enrolled at UCLouvain Saint-Louis - Bruxelles. Students in business engineering can take part in an ERASMUS exchange in the second term of year 3. The exchange programme is equivalent to approximately 30 credits.

Three types of exchange are available:

- **Erasmus exchanges** with universities in European Union countries
- **Erasmus Belgica exchanges** with Dutch-language Belgian universities
- **exchanges with universities outside Europe**, on the basis of bilateral agreements

Find out more about the [destinations](#)

- [Master \[120\] in Actuarial Science](#) (Louvain-la-Neuve)

Other programmes available

The bachelor's degree in business engineering allows access to master's degree programmes offered by other schools in the Faculty of Economics, Social and Political Sciences and Communication or by other faculties, subject to compliance with the admission requirements for these programmes.

- [Master \[120\] in Statistics: Biostatistics](#) (Louvain-la-Neuve)
- [Master \[120\] in Business Management](#) (Bruxelles, Louvain-la-Neuve et Mons) (organisé avec l'ICHEC et l'ULB)
- [Master \[120\] in Population and Development Studies](#) (Louvain-la-Neuve)
- [Master \[120\] in European Studies](#) (Louvain-la-Neuve)
- [Master \[120\] in Ethics](#) (Louvain-la-Neuve)

Contacts

Faculty administration

