



## INAB1BA - Introduction

### Introduction

#### Introduction

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.

#### Your future job

The business engineering programme is divided into two cycles: the three-year bachelor's degree and the one- or two-year master's degree. After completing a master's degree in business engineering, there are many and varied career opportunities. Graduates have access to management positions in areas such as:

- the private sector (industry and services): organisation and production management, financial management, marketing, human resources management
- consultancy firms
- public and private, national and international banks and financial institutions
- private institutions, public administration and public companies
- education and academic research

#### Your programme

The programme is made up of courses which can be divided into seven categories:

1. Economics
2. Management
3. Law
4. Computer science and quantitative methods
5. Humanities and social sciences
6. Science and technology
7. Languages

The proportion of the programme devoted to management increases gradually each year.

Proficiency in several languages is essential for a successful career in management. In addition to the compulsory language courses included in the bachelor's programme, the Faculty of Economics, Social and Political Sciences and Communication Saint-Louis in Brussels offers multilingual programmes which allow students to practise a second language actively. Students take part of their programme in a language other than French, which amounts to three course units per year for the bilingual French/English programme.

#### Pursuing a dual bachelor's degree

Our dual bachelor's degrees are one of the special features of UCLouvain Saint-Louis - Bruxelles.

Students can take a second bachelor's degree, in tandem with their main bachelor's degree. This means that they complete their main programme with a minimum of 60 and a maximum of 125 additional credits spread over several years. The additional bachelor's

degree can be completed after the main bachelor's degree. A serie583ayspleted after the mQ5] Ttaken as partr thr's degrep25

## 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 the work of the information technology

- **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**

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				Year		
				1	2	3
○ BECGE1211	Macroeconomics 📄	Jean-François Fagnart	PR [q2] [45h+15h] [6 Credits] 🌐		x	
○ BECGE1311	Industrial Economy 📄	Gilles Grandjean	PR [q2] [45h] [5 Credits] 🌐			x

○ Management

				Year		
				1	2	3
○ BINGE1341	Sciences and technologies IV 	Paul Fisette Sébastien Lugan Massimo Marotta	PK [q1] [45h] [5 Credits] 			x

○ Languages

○ BANGL1191	English I					
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⊗ BECGE1314



## Course prerequisites

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The **table** below lists the activities (course units, or CUs) for which there are one or more prerequisites within the programme, i.e. the programme CU for which the learning outcomes must be certified and the corresponding credits awarded by the jury before registering for that CU.

These activities are also identified in the **detailed programme**: their title is followed by a yellow square.

### Prerequisites and student's annual programme

As the prerequisite is for CU registration purposes only, there are no prerequisites within a programme year. Prerequisites are defined between CUs of different years and therefore influence the order in which the student will be able to register for the programme's CUs.

In addition, when the jury validates a student's individual programme at the beginning of the year, it ensures its coherence, meaning that it may:

- require the student to combine registration in two separate CUs which it considers necessary from a pedagogical point of view.
- transform a prerequisite into a corequisite if the student is in the final year of a degree course.

For more information, please consult the [Academic Regulations and Procedures](#).

### # Prerequisites list

<b>BANGL1291</b>	" <a href="#">Anglais II</a> " has prerequisite(s) BANGL1191
	• BANGL1191 - <a href="#">English I</a>
<b>BANGL1391</b>	" <a href="#">Anglais III</a> " has prerequisite(s) BANGL1291
	• BANGL1291 - <a href="#">English II</a>
<b>BECGE1211</b>	" <a href="#">Macroéconomie</a> " has prerequisite(s) BECGE1114
	• BECGE1114 - <a href="#">Economics II</a>
<b>BECGE1213</b>	" <a href="#">Analyse des états financiers</a> " has prerequisite(s) BECGE1112
	• BECGE1112 - <a href="#">Basis of accounting</a>
<b>BECGE1217</b>	" <a href="#">Microeconomics</a> " has prerequisite(s) BECGE1113
	• BECGE1113 - <a href="#">Economics I</a>
<b>BECGE1311</b>	" <a href="#">Economie industrielle</a> " has prerequisite(s) BECGE1217
	• BECGE1217 - <a href="#">Microeconomics</a>
<b>BECGE1327</b>	" <a href="#">Corporate Finance</a> " has prerequisite(s) BECGE1213 ET BECGE1116
	• BECGE1213 - <a href="#">Financial Statement Analysis</a>
	• BECGE1116 - <a href="#">Introduction to financial markets</a>
<b>BECGE1328</b>	" <a href="#">Management and strategy</a> " has prerequisite(s) EKULB1320
	• EKULB1320 - <a href="#">Marketing</a>
<b>BECGE1329</b>	" <a href="#">Simulation de gestion - jeu d'entreprise</a> " has prerequisite(s) BECGE1213 ET EKULB1320 ET BECGE1116
	• BECGE1213 - <a href="#">Financial Statement Analysis</a>
	• EKULB1320 - <a href="#">Marketing</a>
	• BECGE1116 - <a href="#">Introduction to financial markets</a>
<b>BESPO1360</b>	" <a href="#">Ethics and the economy</a> " has prerequisite(s) BECGE1113 ET BECGE1114
	• BECGE1113 - <a href="#">Economics I</a>
	• BECGE1114 - <a href="#">Economics II</a>
<b>BINGE1231</b>	" <a href="#">Statistique approfondie</a> " has prerequisite(s) BINGE1131
	• BINGE1131 - <a href="#">Probability</a>
<b>BINGE1232</b>	has prerequisite(s)
	BECGE1213





**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 </p> <p><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>

## INAB1BA - 3RD ANNUAL UNIT

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- 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, ...)

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




### o Content:

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#### o Economics

● BECGE1311	Industrial Economy ■	
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## o Languages

<p>o BANGL1391</p>	<p>English III </p>	<p>Gerlanda Cipolla Marleen Cré Sebastiano Ferrari Julie George Garkov Priscilla Hemeleers Françoise Longrée (coord.) Isabelle Lukau Erwin Ochsenmeier (coord.) Madeline Riordan</p>	<p>EN [q2] [0h +30h] [4 Credits] </p>
<p>o BNEER1381</p>	<p>Dutch III </p> <p><i>Student who replaced the course unit of Dutch I and II the First Year and the Second Year by Dutch for Beginners I and II or Spanish I and II should follow the Third Year, the same course unit, higher level (Dutch for Beginners III or Spanish III). Additional informations are available at the Faculty secretariat.</i></p>	<p>Isolde Boutsen (coord.)</p>	

## INAB1BA - Information

### Access Requirements

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- 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 1<sup>st</sup> 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

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

- [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

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#### Faculty administration

02 211 78 79 - [espo-slb@uclouvain.be](mailto:espo-slb@uclouvain.be)

Office: Ommegang 6 - 2nd floor - office OM 205

Opening hours: Monday to Thursday, 10am to 12.30pm

## Curriculum Management

Faculty

Structure entity

Denomination

SSH/ESPB

Faculty of Economics, Social and Political Sciences and Communication Saint-Louis ([ESPB](#))

