

INTB1BA - Introduction

Introduction

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Completing a bachelor's degree in business engineering in a trilingual French-English-Dutch programme is an asset in a globalised professional world, and opens the door to positions requiring a command of Dutch, English and French.

The UCLouvain Saint-Louis - Bruxelles campus offers a trilingual French-English-Dutch business engineering programme. 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 and Dutch
- 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.

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 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 \[Dual Bachelor's degree for the holder of a Bachelor in Business Engineering\]](#)
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INTB1BA - Teaching profile

Learning outcomes

Specific learning outcomes of students in the trilingual programme:

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

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

- Oral and written (passive and active) communication skills in English and Dutch, and more specifically, the ability to converse in both everyday and specialised language (in the social sciences and humanities) in these two languages
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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, ...)

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

Year

				Year		
				1	2	3
○ BINGE1132	Mathematics for business engineers II	Thierry Lavendhomme	EB [q2] [45h+22.5h] [5 Credits]	x		
○ BINGE1131	Probability	Nathan Uytendaele (compensates Cédric Heuchenne)	EB [q2] [30h+22.5h] [4 Credits]	x		
○ BECGE1230	Foundations of business information systems	Wim Laurier	EB [q2] [30h+30h] [4 Credits]		x	
○ BINGE1231	In depth Statistics	Cédric Heuchenne	EB [q1] [45h+22.5h] [5 Credits]		x	
○ BINGE1232	Mathematics for business engineers III	Thierry Lavendhomme	EB [q2] [45h+15h] [5 Credits]		x	
○ BINGE1314	Multivariate Statistics and Econometrics					

Course prerequisites

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

BANGL1291 "Anglais II" has prerequisite(s) BANGL1191

- BANGL1191 - [English I](#)

BANGL1391 "Anglais III" has prerequisite(s) BANGL1291

- BANGL1291 - [English II](#)

BECGE1211 "Macroéconomie" has prerequisite(s) BECGE1114

- BECGE1114 - [Economics II](#)

BECGE1213 "Analyse des états financiers" has prerequisite(s) BECGE1112

- BECGE1112 - [Basis of accounting](#)

BECGE1217 "Microeconomics" has prerequisite(s) BESPO1173

- BESPO1173•

The programme's courses and learning outcomes

For each UCLouvain training programme, a [reference framework of learning outcomes](#) specifies the the skills expected of every graduate on completion of the programme. Course unit descriptions specify targeted learning outcomes, as well as the unit's contribution to reference framework of learning outcomes.

Detailed programme per annual block

INTB1BA - 1ST 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 information (methods, evaluation...)

<ul style="list-style-type: none"> ○ C 		<p>Economics I</p>	<p>Tom Truys</p>	<p>NL [q1] [45h +15h] [5</p>
<ul style="list-style-type: none"> ○ Economics 		<p>○ BESPO1173 Economics I</p>	<p>Tom Truys</p>	<p>NL [q1] [45h +15h] [5</p>

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○ BINGE1132	Mathematics for business engineers II	Thierry Lavendhomme	FR [q2] [45h +22.5h] [5 Credits]
○ BINGE1131	Probability	Nathan Uyttendaele (compensates Cédric Heuchenne)	FR [q2] [30h +22.5h] [4 Credits]

○ Science and Technology

○ BINGE1140	Sciences and technologies I	Thomas Gathy	FR [q1] [45h +22.5h] [5 Credits]
○ BINGE1141	Sciences and technologies II	Arnaud Delcorte Sébastien Toussaint	FR [q2] [45h +22.5h] [5 Credits]

○ Languages

○ BANGL1191	English I		
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INTB1BA - 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] 🌐
○ BECGE1324	Marketing	Irene Roozen	NL [q1] [30h +15h] [5 Credits] 🌐

o Other Human and Social Sciences

○ BESPO1161	Sociology	Thierry Kochuyt (compensates Benedikte Zitouni) Benedikte Zitouni	NL [q1] [30h] [5 Credits] 🌐
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o Law

○ BECGE1220	Commercial law	Gabriela de Pierpont (compensates Pierre Jadoul) Yannick Ninane Yannick Ninane (compensates Pierre Jadoul)	
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INTB1BA - 3RD ANNUAL UNIT

Marketing

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

with requisites

for incoming exchange students

for incoming exchange students

Language (FR, EN, ES, NL, DE, ...)

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

o Conte

o Econo

o BECGE1

Gilles Grandjean

EN [q2]
[45h] [5
Credits]

o Managem

o BINGE1313

Wim Laurier

EN [q1]
[30h
+15h] [5
Credits]

o BECGE1328

Frank Janssen

EN [q1]
[30h] [5
Credits]

o BECGE1329

Credits]

INTB1BA - 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 Community of Belgium or the Royal Military Academy;
7. A diploma, certificate of studies or other qualification obtained abroad and deemed equivalent to the first four mentioned above by virtue of a law, decree, European directive or international convention;

Note:

Requests for equivalence must be submitted to the Equivalence department ([Service des équivalences](#)) of the Ministry of Higher Education and Scientific Research of the French Community of Belgium in compliance with the official deadline.

The following two qualifications are automatically deemed equivalent to the Certificate of Upper Secondary Education (Certificat d'enseignement secondaire supérieur – CESS):

- European Baccalaureate issued by the Board of Governors of a European School,
- International Baccalaureate issued by the International Baccalaureate Office in Geneva.

8. Official documentation attesting to a student's ability to pursue higher education (diplôme d'aptitude à accéder à l'enseignement supérieur - DAES), issued by the Examination Board of the French Community.

Specific access requirements

- Access to bachelor programmes for candidates of nationality outside the European Union who are not assimilated to Belgian nationals is subject to the following criteria:
 - not have obtained a secondary education diploma for more than 3 years maximum. Example: for an admission application for the academic year 2024-2025, you must have obtained your diploma during the academic years 2021-2022, 2022-2023 ou 2023-2024. In the French Community of Belgium, the academic year runs from September 14 to September 13
 - not already hold an undergraduate degree
- Candidates, whatever their nationality, with a secondary school diploma **from a country outside the European Union**, must have obtained an average of 13/20 minimum or, failing that, have obtained this average, have passed one year of study in Belgium (for example special Maths / sciences). A non-successful year will not be taken into consideration.

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](#).

Language study grants

The faculty awards grants to students for language courses in various destinations during the summer. The selection of candidates is based on their results and motivation.

Possible trainings at the end of the programme

The bachelor's degree in business engineering gives direct access to master's degrees in business engineering, management, economics, human resources management and European studies organised under the Fédération Wallonie-Bruxelles.

With their solid training in English and Dutch, graduates of the trilingual programme are prepared for a master's degree abroad or in Flanders.

Master's degrees available at UCLouvain

Direct access

- [Master \[120\] : Business Engineering](#) (Louvain-la-Neuve) et [Master \[120\] : Business Engineering](#) (Mons)
- [Master \[120\] in Management](#) (Louvain-la-Neuve) et [Master \[120\] in Management](#) (Mons)
- [Master \[60\] in Management](#) (Louvain-la-Neuve) et [Master \[60\] in Management](#) (Mons)
- [Master \[120\] in Economics: General](#) (Louvain-la-Neuve) et [Master \[60\] in Economics : General](#) (Louvain-la-Neuve)
- [Master \[120\] in Human Resources Management](#) (Louvain-la-Neuve)
- [Master \[120\] in Data Science : Statistic](#) (Louvain-la-Neuve)
- [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

02 211 78 79 - 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

Sector

Acronym

Postal address

SSH/ESPB

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

Human Sciences ([SSH](#))

ESPB

Boulevard du Jardin Botanique 43 - bte

1000 Bruxelles

Mandate(s)

- Dean : Abraham Franssen

Academic supervisor: [Wim Laurier](#)

Jury

- president: [Xavier Wauthy](#)
- secretary: [Tom Truyts](#)
- Third member: [Alexandre Girard](#)

