

INGB1BA - Introduction

Introduction

Introduction

The Saint-Louis - Bruxelles campus offers a 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 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

Your future job

INGB1BA - Teaching profile

Learning outcomes

• **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
- The ability to understand, examine and reproduce a theoretical concept learnt in class in these two languages

All CUs in NL and EN in years 1, 2 and 3

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o Languages

<input checked="" type="radio"/> BANGL1191	English I
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Year

1 2 3

⊗ Choose one course among the following :

⊗ BECGE1212	Public economics 🟡	Gilles Grandjean	FR [q2] [45h+15h] [5 Credits] 🌐			X
⊗ BECGE1215	Public economics 🟡	Tom Truyts	EN [q2] [45h+15h] [5 Credits] 🌐			X
⊗ BECGE1218	Public economics 🟡	Tom Truyts	EN [q2] [45h+15h] [5 Credits] 🌐			X
⊗ BECGE1313	Environmental Economics 🟡	Bertrand Hamaide	FR [q1] [30h] [5 Credits] 🌐			X
⊗ BECGE1233	Game theory 🟡	Ana Mauleon	EN [q1] [30h+15h] [5 Credits] 🌐			X
⊗ BDROI1272	Special questions of economic law 🟡	Alain Strowel Xavier Wauthy	FR [q2] [30h] [5 Credits] 🌐			X
⊗ BDURA1000	Environmental Challenges and Issues	Christine Frison	FR [q2] [30h] [5 Credits] 🌐			X
⊗ BECGE1340	Seminar in Economic History 🟡	Jean Lacroix Kim Oosterlinck	EN [q1] [30h] [5 Credits] 🌐			X
⊗ BECGE1341	Public policy seminar 🟡	Gilles Grandjean (coord.) Hélène Latzer	EN [q2] [30h] [5 Credits] 🌐			X
⊗ BECGE1314	International Economics 🟡	Jean-François Fagnart	EN [q2] [30h] [5 Credits] 🌐			X
⊗ BECGE1317	European Economics 🟡	Caroline Buts (compensates Jean- Christophe Defraigne)	EN [q2] [30h] [5 Credits] 🌐			X

Course prerequisites

There are no prerequisites between course units (CUs) for this programme, i.e. the programme activity (course unit, CU) whose learning outcomes are to be certified and the corresponding credits awarded by the jury before registration in another CU.

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

INGB1BA - 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 informations (objectives, methods, evaluation...)

Content:

Economics

● BECGE1110	Economics I	Hélène Latzer	FR [q1] [45h +15h] [5 Credits] 🌐
● BECGE1111	Economics II		

o Computer Science and Quantitative Methods

o BINGE1130	Mathematics for business engineers I	Thierry Lavendhomme	FR [q1] [30h +15h] [4 Credits]
o BINGE1132	Mathematics for business engineers II	Thierry Lavendhomme	FR [q2] [45h +22.5h] [5 Credits]
o BINGE1131	Probability	Nathan Uyttendaele (compensates Cédric Heuchenne)	FR [q2] [30h +22.5h] [4 Credits]

o Science and Technology


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

o Languages

o BANGL1191	English I	Gerlanda Cipolla Marleen Cré Sebastiano Ferrari Milena Fontana Julie George Garkov Priscilla Hemeleers David Leisterh Françoise Longrée (coord.) Isabelle Lukau Erwin Ochsenmeier (coord.) Melissa Uzumcuoglu	EN [q1+q2] [0h +30h] [4 Credits]
o BNEER1181	Dutch I <i>Will benefit from a course unit of Dutch for Beginners or Spanish in first year: 1) The student who has had less than two hours of Dutch per week throughout the year in one of the last four years of high school; 2) The student who have completed high school in 2019-2020 or earlier and who has not been trained in Dutch between the end of high school and its registration in St. Louis. Additional informations and forms to fill out are available at the Faculty secretariat.</i>	Astrid De Munter (coord.) Nadine Kayobotsi (coord.)	NL [q1+q2] [0h +30h] [4 Credits]

o **Science and Technology**

o BINGE1242



INGB1BA - 3RD 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

● BECGE1311	Industrial Economy ■	Gilles Grandjean	(FR) [q2] [45h] [5 Credits] 🌐
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o Management

● BECGE1329	Firm's management - simulation game ■
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Gilles Grandjean

o Languages

o BANGL1391	English III 🇺🇸	Gerlanda Cipolla Marleen Cré Sebastiano Ferrari Julie George Garkov Priscilla Hemeleers Françoise Longrée (coord.) Isabelle Lukau Erwin Ochsenmeier (coord.) Madeline Riordan	EN [q2] [0h] +30h] [4 Credits] 🌐
o BNEER1381	Dutch III 🇳🇱 <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>	Isolde Boutsen (coord.) Astrid De Munter (coord.) Barbara Fraipont Pauline Heyvaert	NL [q2] [0h] +30h] [4 Credits] 🌐

o Optional Courses

Students must choose optional course totalling 5 credits.

⌘ Possible choice of a teaching unit from :

⌘ BECGE1214	Human management	Laurianne Terlinden	EN [q2] [30h] +7.5h] [5 Credits] 🌐
⌘ BECGE1216	Human Resource Management	Ralf Caers	EN [q2] [30h] [5 Credits] 🌐

⌘ Optional choice of one course unit among :

⌘ BECGE1321	Organisational studies 🇺🇸	Karine Dejean	EN [q1] [30h] [5 Credits] 🌐
⌘ BECGE1326	Humans and organization 🇺🇸	Ludo Struyven	NL [q1] [30h] [5 Credits] 🌐

⌘ Choose one course among the following :

⌘ BECGE1212	Public economics 🇺🇸	Gilles Grandjean	
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⊗ BECGE1341	Public policy seminar 📄	Gilles Grandjean (coord.) Hélène Latzer	PS [q2] [30h] [5 Credits] 🌐
⊗ BECGE1314	International Economics 📄	Jean-François Fagnart	PS [q2] [30h] [5 Credits] 🌐
⊗ BECGE1317	European Economics 📄	Caroline Buts (compensates Jean- Christophe Defraigne)	PS [q2] [30h] [5 Credits] 🌐

INGB1BA - 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.

- 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.

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)

Other programmes available

