

INGB1BA - Introduction

Introduction

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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

The economics and management 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 economics or management, there are many and varied career opportunities:

- Numerous management positions in 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;
- Management functions in public administration and public companies;
- Analyst or advisor in public administration, political parties, ministerial offices;
- 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.

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 \[Dual Bachelor's degree for the holder of a Bachelor in Business Engineering\]](#)
- [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-slb@uclouvain.be.

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				Year		
				1	2	3
● BECGE1311	Industrial Economy 🇯🇵	Gilles Grandjean	PK [q2] [45h] [5 Credits] 🌐			x

ECGE1233

Year

1 2 3

Choose one course among the following :

⊗ BECGE1212	Public economics	Gilles Grandjean	PR [q2] [45h+15h] [5 Credits]			X
⊗ BECGE1215	Public economics	Tom Truyts	PR [q2] [45h+15h] [5 Credits]			X
⊗ BECGE1218	Public economics	Tom Truyts	PR [q2] [45h+15h] [5 Credits]			X
⊗ BECGE1313	Environmental Economics	Bertrand Hamaide	PR [q1] [30h] [5 Credits]			X
	Special questions of economic law		PR [q1] [30h+15h] [5 Credits]			X
⊗ BDROI1272	Special questions of economic law	Alain Strowel Xavier Wauthy	PR [q2] [30h] [5 Credits]			

⊗ BDROI1272

⊗ BDROI1272

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](#)

BDROI1272 "Questions spéciales de droit économique" has prerequisite(s) BECGE1110 ET BECGE1111

- BECGE1110 - [Economics I](#)
- BECGE1111 - [Economics II](#)

BECGE1210 "Microéconomie" has prerequisite(s) BECGE1110

- BECGE1110 - [Economics I](#)

BECGE1211

- BECGE1213 - [Financial Statement Analysis](#)
- BECGE1115 - [Introduction to financial markets](#)
- BECGE1329** "[Simulation de gestion - jeu d'entreprise](#)" has prerequisite(s) BECGE1213 ET BECGE1322 ET BECGE1115
 - BECGE1213 - [Financial Statement Analysis](#)
 - BECGE1322 - [Marketing](#)
 - BECGE1115 - [Introduction to financial markets](#)
- BECGE1340** "[Seminar in Economic History](#)" has prerequisite(s) BECGE1110 ET BECGE1211 ET BINGE1131
 - BECGE1110 - [Economics I](#)
 - BECGE1211 - [Macroeconomics](#)
 - BINGE1131 - [Probability](#)
- BECGE1341** "[Public policy seminar](#)" has prerequisite(s) BECGE1210 ET BECGE1211
 - BECGE1210 - [Microeconomics](#)
 - BECGE1211 - [Macroeconomics](#)
- BINGE1231** "[Statistique approfondie](#)" has prerequisite(s) BINGE1131
 - BINGE1131 - [Probability](#)
- BINGE1232** "[Mathématiques pour ingénieur de gestion III](#)" has prerequisite(s) BINGE1132
 - BINGE1132 - [Mathematics for business engineers II](#)
- BINGE1310** "[Gestion des opérations](#)" has prerequisite(s) BINGE1232
 - BINGE1232 - [Mathematics for business engineers III](#)
- BINGE1311** "[Analyse et conception des systèmes d'information](#)" has prerequisite(s) BECGE1230
 - BECGE1230 - [Foundations of business information systems](#)
- BINGE1314** "[Statistique multivariée et économétrie](#)" has prerequisite(s) BINGE1231
 - BINGE1231 - [In depth Statistics](#)
- BINGE1341** "[Sciences et technologies IV](#)" has prerequisite(s) BINGE1242
 - BINGE1242 - [Sciences and technologies III](#)
- BNEER1281** "[Néerlandais II](#)" has prerequisite(s) BNEER1181
 - BNEER1181 - [Dutch I](#)
- BNEER1381** "[Néerlandais III](#)" has prerequisite(s) BNEER1281
 - BNEER1281 - [Dutch II](#)

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...)


INGB1BA - 2ND ANNUAL UNIT

- Mandatory
 - ✘ Optional
 - △ Not offered in 2024-2025
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o Science and Technology

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

o BANGL1291	English II 	Julie George Garkov
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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] 🌐

- 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 su7s.ly6m [(u98584 T isience.nce.)] TJ 1 0 0 -1 0 18 -1 4.26a4ilal or personal experie4elium) th:e su71p800413

