

INAB1BA 2024 - 2025

Bachelor: Business Engineering (French-English)

At Bruxelles Saint-Louis - 180 credits - 3 years - Day schedule - In French

Dissertation/Graduation Project : NO - Internship : NO

Activities in English: YES - Activities in other languages : optional

Activities on other sites: YES

Main study domain : Sciences économiques et de gestion

Organized by: Faculty of Economics, Social and Political Sciences and

Communication Saint-Louis (ESPO-SaintLouis)

Programme acronym: INAB1BA - Francophone Certification Framework: 6

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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...

- vou 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.

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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]

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
 - 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
 - A familiarisation with an environment in a language other than their own (stays abroad)
 ERASMUS exchanges in year 3

Programme structure

Bilingual programme

In addition to the compulsory language courses in the bachelor's programme, Saint-Louis offers bilingual 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.

A first-cycle programme

The bachelor's degree in business engineering is a first-cycle programme (a 'transition' bachelor's degree), consisting of 180 credits spread over three years (60 credits per year). It prepares students for the master's degree programme in the second cycle.

The programme includes courses in science and technology, as well as in-depth courses in mathematics and statistics. However, the programme is designed to meet the minimum requirements of the common courses in the Faculty of Economics, Social and Political Sciences and Communication Saint-Louis in each subject, and thus – through a recognition of the equivalence of credits – allow the same easy reorientation possibilities as the other bachelor's degree programmes in the faculty.

INAB1BA Programme

Detailed programme by subject

- Mandatory
- ☼ Optional
- △ Not offered in 2024-2025
- O Not offered in 2024-2025 but offered the following year
- ⊕ Offered in 2024-2025 but not the following year
- $\Delta \, \oplus \, \text{Not offered in 2024-2025}$ or the following year
- Activity with requisites
- Open to incoming exchange students
- M 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...)

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Year

				Υ	ea	a
				1 2	2 (3
O BINGE1341	Sciences and technologies IV	Paul Fisette Sébastien Lugan Massimo Marotta	FR [q1] [45h] [5 Credits] 😸			X
Languages						
O BANGL1191	English I	Gerlanda Cipolla Marleen Cré Sebastiano Ferrari Milena Fontana Julie George Garkov Priscilla Hemeleers				

				Υe	ear
				1 2	3
₿ BECGE1314	International Economics	Jean-François Fagnart	EN [q2] [30h] [5 Credits] @		X
BECGE1317	European Economics	Caroline Buts (compensates Jean- Christophe Defraigne)	🗅 [q2] [30h] [5 Credits] 📆		X

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 puposes 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.

 # Prerequisit	ties list
BANGL1291	"English II" has prerequisite(s) BANGL1191
BANGL1391	BANGL1191 - English I "English III" has prerequisite(s) BANGL1291
	• BANGL1291 - English II
BECGE1211	"Macroeconomics" has prerequisite(s) BECGE1114
BECGE1213	• BECGE1114 - Economics II "Financial Statement Analysis" has prerequisite(s) BECGE1112
BECGE1217	BECGE1112 - Basis of accounting "Microeconomics" has prerequisite(s) BECGE1113
BECGE1311	• BECGE1113 - Economics I "Industrial Economy" has prerequisite(s) BECGE1217
BECGE1327	• BECGE1217 - Microeconomics "Corporate Finance" has prerequisite(s) BECGE1213 AND BECGE1116
BECGE1328	BECGE1213 - Financial Statement Analysis BECGE1116 - Introduction to financial markets "Management and strategy" has prerequisite(s) EKULB1320
	• EKULB1320 - Marketing
BECGE1329	"Firm's management - simulation game" has prerequisite(s) BECGE1213 AND EKULB1320 AND BECGE1116
BESPO1360	BECGE1213 - Financial Statement Analysis EKULB1320 - Marketing BECGE1116 - Introduction to financial markets "Ethics and the economy" has prerequisite(s) BECGE1113 AND BECGE1114
PINGE	BECGE1113 - Economics I BECGE1114 - Economics II BECGE1114 - Economi
BINGE1231	"In depth Statistics" has prerequisite(s) BINGE1131
BINGE1232	BINGE1131 - Probability "Mathematics for business engineers III" has prerequisite(s) BINGE1132
BINGE1310	BINGE1132 - Mathematics for business engineers II "Operations management" has prerequisite(s) BINGE1232
BINGE1311	• BINGE1232 - Mathematics for business engineers III "Analysis and Design of Information Systems" has prerequisite(s) BECGE1230
BINGE1341	BECGE1230 - Foundations of business information systems "Sciences and technologies IV" has prerequisite(s) BINGE1242
BNEER1281	BINGE1242 - Sciences and technologies III "Dutch II" has prerequisite(s) BNEER1181
BNEER1381	BNEER1181 - Dutch I "Dutch III" has prerequisite(s) BNEER1281
	• BNEER1281 - Dutch II

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O BINGE1132	Mathematics for business engineers II	Thierry Lavendhomme	[q2] [45h +22.5h] [5 Credits] #
O BINGE1131	Probability	(compensates	

Science and Technology

O BINGE1140	Sciences and technologies I	Thomas Gathy	[q1] [45h +22.5h] [5 Credits] (#)
O BINGE1141	Sciences and technologies II	Arnaud Delcorte Sébastien Toussaint	[q2] [45h +22.5h] [5 Credits] #

o Languages

O BANGL1191	English I	Gerlanda Cipolla Marleen Cré Sebastiano Ferrari Milena Fontana Julie George Garkov
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INAB1BA - 2ND ANNUAL UNIT

O Mandatory

☼ Optional

Δ Not offered in 2024-2025

⊘ Not offered in 2024-2025 but offered the following year

 $\ensuremath{\oplus}$ Offered in 2024-2025 but not the following year

 $\Delta \, \oplus \,$

o Languages

O BANGL1291	English II	Julie George Garkov Priscilla Hemeleers Françoise Longrée (coord.) Isabelle Lukau Erwin Ochsenmeier (coord.) Madeline Riordan	[q1+q2] [0h +60h] [5 Credits] @
O BNEER1281	Dutch II	Isolde Boutsen (coord.) Astrid De Munter (coord.) Guy Sirjacobs	[q1+q2] [0h +60h] [5 Credits]

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Ø Not of ⊕ Offere Δ ⊕ Not ■ Activit ⊕ Open ⊛ Not op	nal fered in 2024-2025 fered in 2024-2025 but offered the following year and in 2024-2025 but not the following year at offered in 2024-2025 or the following year by with requisites to incoming exchange students ben to incoming exchange students behing language (FR, EN, ES, NL, DE,)		
o Content:	Click on the course title to see detailed informations (objectives	, metnoos, evaluation)	
o Economics	<u> </u>		
O BECGE1311	Industrial Economy	Gilles Grandjean	[q2] [45h] [5 Credits] #9
o Manageme	nt		
O BINGE1310	Operations management	Wim Laurier	[q1] [30h +15h] [5 Credits] #
• BECGE1328	Management and strategy	Frank Janssen	[q1] [30h] [5 Credits] ⁽³⁾
O BECGE1329	Firm's management - simulation game	Alexandre Girard	[q2] [45h] [6 Credits] ®
O BECGE1327	Corporate Finance	Anouk Claes	[q2] [45h] [5 Credits]
• Other Hum	an and Social Sciences		
O BESPO1360	Ethics and the economy	Yannick Vanderborght	[q1] [30h] [5 Credits] @
• Computer	Science and Quantitative Methods		
O BINGE1314	Multivariate Statistics and Econometrics	Mathieu Sauvenier Sébastien Van Bellegem	[q1] [45h +15h] [6 Credits] ③
O BINGE1311	Analysis and Design of Information Systems This unit can be replaced by the ICT Management course (EKULB1328), without guarantee of time compatibility.		•

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	[q2] [0h +30h] [4 Credits] #
O BNEER1381	Dutch III Student who replaced the course unit of Dutch I and II the Fisrt 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.	Isolde Boutsen (coord.) Astrid De Munter (coord.) Barbara Fraipont Pauline Heyvaert	[q2] [0h +30h] [4 Credits] #

o Optional CoursesThe student must choose an optional teaching unit for 5 credits.

BECGE1216	Human Resource Management	Ralf Caers	[q2] [30h] [5 Credits] #
BECGE1340	Seminar in Economic History	Jean Lacroix Kim Oosterlinck	[q1] [30h] [5 Credits] #
BECGE1341	Public policy seminar	Gilles Grandjean (coord.) Hélène Latzer	[q2] [30h] [5 Credits] #
BECGE1314	International Economics	Jean-François Fagnart	[q2] [30h] [5 Credits] #
BECGE1317	European Economics	Caroline Buts (compensates Jean- Christophe Defraigne)	[q2] [30h] [5 Credits] #
BECGE1215 ■ BECGE1215	Public economics	Tom Truyts	[q2] [45h +15h] [5 Credits] (49)

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.

- 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 medecine 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 <u>regulations concerning studies and exams</u>. 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.

Find out more about the language stays and study grants.

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, graduates of the bilingual programme are prepared for a master's degree abroad.

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

Mandate(s)

• Dean : Abraham Franssen

Academic supervisor: Wim Laurier

Jury

• president: Xavier Wauthy • secretary: Tom Truyts

• Third member: Alexandre Girard

SSH/ESPB

Faculty of Economics, Social and Political Sciences and

Communication Saint-Louis (ESPB)

Human Sciences (SSH)

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