

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

Dissertation/Graduation Project : **NO** - Internship : **NO**

Activities in English: **YES** - Activities in other languages : **NO**

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: **BBEB1BA** - Francophone Certification Framework: 6

BBEB1BA - Introduction

Introduction

Introduction

PLEASE NOTE: 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.

The Bachelor of Science in Business Engineering in Brussels is a joint English-taught programme organised by the Faculty of Economics and Business of **KU Leuven** and the Faculty of Economics, Social and Political Sciences and Communication of the **UCLouvain Saint-Louis – Bruxelles**. Both institutions are situated in the heart of the city, near Brussels Central Station. Students will attend courses and take exams at both institutions and obtain a **joint degree**.

Companies and organizations today operate in a highly complex and interconnected world, where they must navigate rapid technological changes, global competition, and evolving consumer expectations. To thrive in this environment, they make critical decisions that affect every aspect of their operations, from financial planning to marketing strategies, production efficiency and human resource management.

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Through assignments and projects, in close contact with organizations (e.g. management projects, bachelor's thesis and career

BBEB1BA - Teaching profile

Learning outcomes

At the end of the programme students will:

I. Be conversant with the discipline's core teachings and methods

Students will acquire:

- **A practical command of the fundamental concepts and models of economics and management**
- **The basic methodological tools needed to undertake academic work in economics and management.**

More specifically, students will:

- Acquire, step-by-step, the ability to model economic phenomena.
- Acquire, step-by-step, a command of the principal fields of management.
All CU in BAS 1 and 2 in economics and management.
- Acquire the ability to analyse real economic and management phenomena.
The CU of Economics I, II, Introduction to financial markets, Business Project.
The advanced courses in economics and management in BAS 2 and 3.
- Develop a sophisticated understanding of the ethical and political dimensions of economic analysis.
In particular the elective CU in BAS 3 in economics, in their critical reflective dimension. The CU introducing the interdisciplinary dimension (Geopolitics, Ethics and the Economy).

Students will acquire:

- **The ability to use mathematics and computer models to support analytical reasoning. In particular, students will learn to:**
 - Apply mathematical modelling to economic and societal problems.
 - Exploit mathematical and statistical tools to resolve economic and management problems.
All the CU in quantitative methods at the introductory and advanced levels.
 - Reason in the abstract using standard disciplinary language and develop a critical approach to this process.
All CU in quantitative methods; Set of CU in computer science and data management.

II. Possess a grounding in fields that are complementary to economics and management

Students will acquire:

- **A practical command of core academic knowledge and skills in the human, legal, and social sciences that are essential for the analysis of economic and management questions. In particular, students will acquire:**
- **A grounding in the major fields of thought that underpin the human and social sciences.**
Introduction to Law, Communication science, Ethics and the Economy, Geopolitics, Elective courses.

III. Possess a grounding in science

Students will acquire:

- **An understanding of the scientific underpinnings of technological processes and information management and their respective implications in a management perspective. In particular, students learn/acquire:**
 - The fundamental concepts in chemistry and physics.
 - The basic technologies in chemistry and physics.
 - Experimental experience of the complexity of the processes of industrial chemistry and physics and discuss these with specialists in the field who are active in a business context.
Science and Technology courses.

Year

1 2 3

3

o Other Human and Social Sciences

○ BINGE1160	Global Economic History	Robrecht Declercq	EN [q1] [30h] [5 Credits]	x	
○ BESPO1164	Geopolitics	Jeroen Joly	EN [q2] [30h] [5 Credits]		
○ BESPO1360	Ethics and the economy	Yannick Vanderborght	EN [q1] [30h] [5 Credits]		

⊗ EINGE1350

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

	<ul style="list-style-type: none"> • EINGE1151 - Spanish 1
EINGE1252	"German 2" has prerequisite(s) EINGE1152
	<ul style="list-style-type: none"> • EINGE1152 - German 1
EINGE1253	"Dutch 2" has prerequisite(s) EINGE1153
	<ul style="list-style-type: none"> • EINGE1153 - Dutch 1
EINGE1254	"French 2" has prerequisite(s) EINGE1154
	<ul style="list-style-type: none"> • EINGE1154 - French 1
EINGE1255	"French 2 (advanced)" has prerequisite(s) EINGE1155
	<ul style="list-style-type: none"> • EINGE1155 - French 1 (advanced)
EINGE1256	"Dutch 2 (advanced)" has prerequisite(s) EINGE1156
	<ul style="list-style-type: none"> • EINGE1156 - Dutch 1 (advanced)
EINGE1314	"Macroeconomics" has prerequisite(s) BINGE1113
	<ul style="list-style-type: none"> • BINGE1113 - Economics II
EINGE1316	"Management Accounting" has prerequisite(s) EINGE1110 ET EINGE1111
	<ul style="list-style-type: none"> • EINGE1110 - Financial Accounting A • EINGE1111 - Financial Accounting B
EINGE1331	"Operations research" has prerequisite(s) EINGE1233 ET EINGE1234
	<ul style="list-style-type: none"> • EINGE1233 - Linear Optimisation • EINGE1234 - Probability Theory and Descriptive Statistics
EINGE1332	"Business Information Systems" has prerequisite(s) BINGE1135
	<ul style="list-style-type: none"> • BINGE1135 - Foundations of Business Information Management
EINGE1333	"Econometrics" has prerequisite(s) EINGE1235
	<ul style="list-style-type: none"> • EINGE1235 - Statistics for Data Science
EINGE1342	"Materials: Properties, Selection and Sustainability" has prerequisite(s) BINGE1243 ET EINGE1133 ET EINGE1134
	<ul style="list-style-type: none"> • BINGE1243 - Conceptual Physics with technical Applications • EINGE1133 - Mathematics for Business Engineers I • EINGE1134 - Mathematics for Business Engineers II
EINGE1350	"Spanish 3" has prerequisite(s) EINGE1151 ET EINGE1251
	<ul style="list-style-type: none"> • EINGE1151 - Spanish 1 • EINGE1251 - Spanish 2
EINGE1351	"German 3" has prerequisite(s) EINGE1152 ET EINGE1252
	<ul style="list-style-type: none"> • EINGE1152 - German 1 • EINGE1252 - German 2
EINGE1352	"Dutch 3" has prerequisite(s) EINGE1153 ET EINGE1253
	<ul style="list-style-type: none"> • EINGE1153 - Dutch 1 • EINGE1253 - Dutch 2
EINGE1353	"French 3" has prerequisite(s) EINGE1154 ET EINGE1254
	<ul style="list-style-type: none"> • EINGE1154 - French 1 • EINGE1254 - French 2
EINGE1354	"French 3 (advanced)" has prerequisite(s) EINGE1155 ET EINGE1255
	<ul style="list-style-type: none"> • EINGE1155 - French 1 (advanced) • EINGE1255 - French 2 (advanced)
EINGE1356	"Dutch 3 (advanced)" has prerequisite(s) EINGE1156 ET EINGE1256
	<ul style="list-style-type: none"> • EINGE1156 - Dutch 1 (advanced) • EINGE1256 - Dutch 2 (advanced)

The programme's courses and learning outcomes

For each UCLouvain training programme, a reference framework of learning outcomes speci186 Tm [c.91rning outcomes

BBEB1BA - 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...)[45h

o Content:

o Economics

● BECGE1113A	Economics I	Koen Declercq	(FR) [q1] [45h +15h] [5 Credits] 🌐
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⌘ Language choice : French

Please select successively:

BBEB1BA - 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



⌘ BECGE1314	International Economics 🇺🇸	Jean-François Fagnart	EN [q2] [30h] [5 Credits] 🌐
⌘ BECGE1341	Public policy seminar 🇺🇸	Gilles Grandjean (coord.) Hélène Latzer	EN [q2] [30h] [5 Credits] 🌐
⌘ BECGE1215	Public economics 🇺🇸	Tom Truys	EN [q2] [45h +15h] [5 Credits] 🌐
⌘ BCOMU1213	Intercultural communication	Greet De Baets	EN [q2] [30h] [5 Credits] 🌐
⌘ BCOMU1313	International communications	Georgios Terzis	EN [q2] [30h] [5 Credits] 🌐

⌘ Language Immersion Track : Dutch

Students take 9 credits of this track. Students follow these courses in the third stage in Dutch, together with students of the Dutch programme *Handelswetenschappen* at KU Leuven Campus Brussels. Students can only choose this option provided they have achieved a cumulative study efficiency (CSE) of at least 75%.

⌘ EKULB1333	Ondernemerschap en business planning	
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BBEB1BA - 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-

- 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 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**

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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".

Mobility and/or Internationalisation outlook

The Business Engineering programme also has a strong international focus. Students can participate [in exchange programmes](#) with numerous partners both within and outside Europe.

Possible trainings at the end of the programme

After obtaining the Bachelor's degree in Business Engineering, you can continue your studies in this field by completing the [Master's degree programme in Business Engineering](#) but you are also prepared for any Master's degree in Economics and Business with a strong quantitative focus.

Master's degrees available at UCLouvain

Direct access

