



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.

The Business Engineering programme equips students with the skills and knowledge to understand and optimize these decisions. The approach is multidisciplinary and includes a thorough study of all major business domains such as finance, accounting, marketing, logistics and human resources, as well as the economic, legal and social landscape in which businesses operate. Additionally, the programme emphasizes the development of strong analytical skills. Students learn how to use data analysis, mathematical modeling and IT tools to make informed decisions, optimize business processes, predict outcomes and assess risks.

Since analytical skills are a core part of the Business Engineering programme, students are expected to come with a solid background in mathematics. They will also need to anticipate working in multiple languages, a natural extension of living and studying in multi-lingual Belgium and Brussels. Students refine their abilities in English through courses and workshops whilst studying at least one other language to encourage familiarity with today's polyglot business environment.

Mathematics and Statistics: crucial building blocks

to language courses and many opportunities to train partly at a foreign partner institution, you will be prepared to embark on an

BBEB1BA - Profil enseignement

COMPÉTENCES ET ACQUIS AU TERME DE LA FORMATION

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.

At the end of the Programme students will be able to:

• **Use written and oral communication skills in English and be able to defend a scholarly argument or present a piece of research in accordance with academic ethics. In particular students will acquire:**

- The ability to produce intellectually rigorous personal reasoning and to defend it both in written and oral forms ;
- The ability to produce university-quality research work, notably through the manipulation of statistical information ;
- The ability to produce scholarly writing in accordance with academic norms.

LO of the practical classes for all economics and management courses; the CU of Business Project.

- Oral and written (passive and active) communication skills in English and another foreign language, - and ability to converse in everyday and specialised language (in the fields of the human and social sciences) in either of these two languages;

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- Obligatoire
- ⊗ Au choix
- △ Exceptionnellement, non organisé cette année académique 2024-2025
- ⊖ Non organisé cette année académique 2024-2025 mais organisé l'année suivante
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- △ ⊕ Exceptionnellement, non organisé cette année académique 2024-2025 et l'année suivante
- Activité avec prérequis
- 🌐 Cours accessibles aux étudiants d'échange
- 🚫 Cours NON accessibles aux étudiants d'échange
- (FR) Langue d'enseignement (FR, EN, ES, NL, DE, ...)

Cliquez sur l'intitulé du cours pour consulter le cahier des charges détaillé (objectifs, méthodes, évaluation, etc.)

Bloc
annuel

1 2 3

o Contenu:

o Economics

○ BECGE1113A	Economics I	Koen Declercq	03 [q1] [45h+15h] [5 Crédits] 🌐	x		
○ BINGE1113	Economics II	Hélène Latzer	03 [q2] [45h+30h] [6 Crédits] 🌐	x		
○ BECGE1217						

				Bloc annuel		
				1	2	3
<input type="radio"/> EINGE1342	Materials: Properties, Selection and Sustainability		EN [q2] [40h] [5 Crédits]			X

				Bloc annuel		
				1	2	3
⌘ EINGE1251	Spanish 2 🇪🇸		ES [q2] [26h] [3 Crédits] 🌐		x	
⌘ EINGE1350	Spanish 3 🇪🇸		ES [q1] [26h] [3 Crédits] 🌐			x

	• EINGE1151 - Spanish 1
EINGE1252	" German 2 " a comme prérequis EINGE1152
	• EINGE1152 - German 1
EINGE1253	" Dutch 2 " a comme prérequis EINGE1153
	• EINGE1153 - Dutch 1
EINGE1254	" French 2 " a comme prérequis EINGE1154
	• EINGE1154 - French 1
EINGE1255	" French 2 (advanced) " a comme prérequis EINGE1155
	• EINGE1155 - French 1 (advanced)
EINGE1256	" Dutch 2 (advanced) " a comme prérequis EINGE1156
	• EINGE1156 - Dutch 1 (advanced)
EINGE1314	" Macroeconomics " a comme prérequis BINGE1113
	• BINGE1113 - Economics II
EINGE1316	" Management Accounting " a comme prérequis EINGE1110 AND EINGE1111
	• EINGE1110 - Financial Accounting A
	• EINGE1111 - Financial Accounting B
EINGE1331	" Operations research " a comme prérequis EINGE1233 AND EINGE1234
	• EINGE1233 - Linear Optimisation
	• EINGE1234 - Probability Theory and Descriptive Statistics
EINGE1332	" Business Information Systems " a comme prérequis BINGE1135
	• BINGE1135 - Foundations of Business Information Management
EINGE1333	" Econometrics " a comme prérequis EINGE1235
	• EINGE1235 - Statistics for Data Science
EINGE1342	" Materials: Properties, Selection and Sustainability " a comme prérequis BINGE1243 AND EINGE1133 AND EINGE1134
	• BINGE1243 - Conceptual Physics with technical Applications
	• EINGE1133 - Mathematics for Business Engineers I
	• EINGE1134 - Mathematics for Business Engineers II
EINGE1350	" Spanish 3 " a comme prérequis EINGE1151 AND EINGE1251
	• EINGE1151 - Spanish 1
	• EINGE1251 - Spanish 2
EINGE1351	" German 3 " a comme prérequis EINGE1152 AND EINGE1252
	• EINGE1152 - German 1
	• EINGE1252 - German 2
EINGE1352	" Dutch 3 " a comme prérequis EINGE1153 AND EINGE1253
	• EINGE1153 - Dutch 1
	• EINGE1253 - Dutch 2
EINGE1353	" French 3 " a comme prérequis EINGE1154 AND EINGE1254
	• EINGE1154 - French 1
	• EINGE1254 - French 2
EINGE1354	" French 3 (advanced) " a comme prérequis EINGE1155 AND EINGE1255
	• EINGE1155 - French 1 (advanced)
	• EINGE1255 - French 2 (advanced)
EINGE1356	" Dutch 3 (advanced) " a comme prérequis EINGE1156 AND EINGE1256
	• EINGE1156 - Dutch 1 (advanced)
	• EINGE1256 - Dutch 2 (advanced)

COURS ET ACQUIS D'APPRENTISSAGE DU PROGRAMME

Pour chaque programme de formation de l'UCLouvain, un [référentiel d'acquis d'apprentissage](#) précise les compétences attendues de tout-e diplômé-e au terme du programme. Les fiches descriptives des unités d'enseignement du programme précisent les acquis d'apprentissage visés par l'unité d'enseignement ainsi que sa contribution au référentiel d'acquis d'apprentissage du programme.

PROGRAMME DÉTAILLÉ PAR BLOC ANNUEL

BBEB1BA - 1er bloc annuel

- Obligatoire
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 - 🌐 Cours NON accessibles aux étudiants d'échange
 - [FR] Langue d'enseignement (FR, EN, ES, NL, DE, ...)
-

o Language : English

<p>o EINGE1150</p>	<p>English 1</p>		<p>EN [q1] [26h] [3 Crédits]</p>
<p>o EINGE1250</p>	<p>English 2</p>		<p>EN [q2] [26h] [3 Crédits]</p>

BBEB1BA - 2e bloc annuel

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- Activité avec prérequis
- 🌐 Cours accessibles aux étudiants d'échange
- 🌐 Cours NON accessibles aux étudiants d'échange
- [FR] Langue d'enseignement (FR, EN, ES, NL, DE, ...)

Cliquez sur l'intitulé du cours pour consulter le cahier des charges détaillé (objectifs, méthodes, évaluation, etc.)

o Contenu:

o Economics

● BECGE1217	Microeconomics ■	Koen Declercq	EN [q1]
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⌘ Language choice : French

Please select successively:

- French 1, French 2 and French 3

No prior knowledge is required. Students who have obtained a Flemish secondary school diploma are excluded from these courses. Students with a secondary school diploma other than a Flemish one but who have an intermediate level of French are not allowed to follow these courses either.

- French 1 (advanced), French 2 (advanced) and French 3 (advanced)

Prior knowledge is required. Only students who are independent users of French may register for these courses.

⌘ EINGE1154	French 1		FR [q1] [52h] [3 Crédits]
⌘ EINGE1155	French 1 (advanced)		FR [q1] [26h] [3 Crédits]
⌘ EINGE1254	French 2		FR [q2] [52h] [3 Crédits]
⌘ EINGE1255	French 2 (advanced)		FR [q2] [26h] [3 Crédits]

⌘ Language choice : German

Please select successively German 1, German 2 and German 3. No prior knowledge is required. Students who are independent users of German may not register for these courses.

BBEB1BA - 3e bloc annuel

- Obligatoire
- ⊗ Au choix
- △ Exceptionnellement, non organisé cette année académique 2024-2025
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- ⊕ Organisé cette année académique 2024-2025 mais non organisé l'année suivante
- △ ⊕ Exceptionnellement, non organisé cette année académique 2024-2025 et l'année suivante
- Activité avec prérequis
- 🌐 Cours accessibles aux étudiants d'échange
- 🚫 Cours NON accessibles aux étudiants d'échange
- (FR) Langue d'enseignement (FR, EN, ES, NL, DE, ...)

Cliquez sur l'intitulé du cours pour consulter le cahier des charges détaillé (objectifs, méthodes, évaluation, etc..)

o Contenu:**o Economics**

○ EINGE1314	Macroeconomics ■		(FR) [q1] [52h] [5 Crédits] 🌐
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o Management

○ BECGE1328	Management and strategy ■	Frank Janssen	(FR) [q1] [30h] [5 Crédits] 🌐
○ EINGE1315	Business Project		(FR) [q2] [16h] [6 Crédits] 🌐
○ EINGE1316	Management Accounting ■		(FR) [q2] [26h] [3 Crédits] 🌐
○ BECGE1327	Corporate Finance ■	Anouk Claes	(FR) [q2] [45h] [5 Crédits] 🌐

o Computer Science and Quantitative Methods

○ EINGE1332	Business Information Systems ■		(FR) [q1] [52h] [6 Crédits] 🌐
○ EINGE1333	Econometrics ■		(FR) [q1] [26h] [3 Crédits] 🌐
○ EINGE1331	Operations research ■		(FR) [q2] [52h] [6 Crédits] 🌐

o Science and Technology

○ EINGE1342	Materials: Properties, Selection and Sustainability ■		(FR) [q2] [40h] [5 Crédits] 🌐
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o Other Human and Social Sciences

○ BESPO1360	Ethics and the economy ■		
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⌘ **Language choice : French**

Please select successively:

- French 1, French 2 and French 3

No prior knowledge is required. Students who have obtained a Flemish secondary school diploma are excluded from these courses. Students with a secondary school diploma other than a Flemish one but who have an intermediate level of French are not allowed to follow these courses either.

- French 1 (advanced), French 2 (advanced) and French 3 (advanced)

Prior knowledge is required. Only students who are independent users of French may register for these courses.

⌘ EINGE1353	French 3 🟡		🟡 [q1] [52h] [3 Crédits] 🌐
⌘ EINGE1354	French 3 (advanced) 🟡		🟡 [q1] [26h] [3 Crédits] 🌐

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

⌘ 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		NL [q1] [26h] [3 Crédits] 🌐
⌘ EKULB1331	Europese Instellingen		NL [q1] [26h] [3 Crédits] 🌐
⌘ EKULB1334			



EVALUATION AU COURS DE LA FORMATION

Responsable académique du programme: [Jean-François Fagnart](#)

Personne(s) de contact: [Basa.243996.3998.-1.09962.36.Bagn0.0cF.E2988.Tm \[ê /1 ht60aQ1o9 0 g0 -19 0 -1 80.6409988S998t/dcu0389198.-rQP998g](#)