



The version you're consulting is not definitive. This programme still may change. The final version will be published on 1th June.

**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 : **optional**

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: **INGB1BA** - Francophone Certification Framework: 6

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## 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

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@usaintlouis.be](mailto:espo@usaintlouis.be).

## INGB1BA - Teaching profile

### 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

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.

The ESPB faculty at Saint-Louis - Bruxelles also offers a bilingual programme (French-English) and a trilingual programme (French-English-Dutch).

Students who choose the unilingual French programme also receive high-quality language training. Language course units and foreign language course units are an integral part of the programme, as students must take English and Dutch language course units in year 1 and year 2, while in year 3, one course unit must be taken in English (Corporate finance). In addition, regardless of their major, each year students have the opportunity to include course units provided by our partner, KU Leuven - Brussels Campus.

## INGB1BA Programme

## Detailed programme by subject

- 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...)

Year

1 2 3

### o Content:

#### o Economics

○ BECGE1110	<a href="#">Economics I</a>	<a href="#">Hélène Latzer</a>	[FR] [q1] [45h+15h] [5 Credits] ⊗	x		
○ BECGE1111	<a href="#">Economics II</a>	<a href="#">Jean-François Fagnart</a>	[FR] [q2] [45h+22.5h] [6 Credits] ⊗	x		
○ BECGE1210	<a href="#">Microeconomics</a> ■	<a href="#">Xavier Wauthy</a>	[FR] [q1] [45h+15h] [6 Credits] ⊗		x	
○ BECGE1211	<a href="#">Macroeconomics</a> ■	<a href="#">Jean-François Fagnart</a>	[FR] [q2] [45h+15h] [6 Credits] ⊗		x	

				Year		
				1	2	3
○ BECGE1311	Industrial Economy 🇯🇪	Gilles Grandjean	EN [q2] [45h] [5 Credits] 🌐			x

### o Management

○ BECGE1112	Basis of accounting	Alexandre Girard	EN [q1] [45h+15h] [5 Credits] 🌐	x		
○ BECGE1115	Introduction to financial markets	Alexandre Girard	EN [q2] [30h+15h] [4 Credits] 🌐	x		
○ BECGE1322	Marketing		EN [q1] [30h+15h] [5 Credits] 🌐		x	
○ BECGE1213	Financial Statement Analysis 🇯🇪		EN [q1] [30h+15h] [4 Credits] 🌐		x	
○ BECGE1329	Firm's management - simulation game 🇯🇪	Alexandre Girard	EN [q2] [45h] [6 Credits] 🌐			x
○ BINGE1310	Operations management 🇯🇪	Wim Laurier	EN [q1] [30h+15h] [5 Credits] 🌐			x
○ BECGE1320	Management and strategy 🇯🇪		EN [q1] [30h] [5 Credits] 🌐			x
○ BECGE1327	Corporate Finance 🇯🇪	Anouk Claes	EN [q2] [45h] [5 Credits] 🌐			x

### o Law

○ BESPO1176	Law	Diane Bernard	EN [q1] [45h+15h] [5 Credits] 🌐	x		
○ BECGE1220	Commercial law	Pierre Jadoul	EN [q1] [45h] [5 Credits] 🌐		x	

### o Other Human and Social Sciences

○ BINGE1161	Global Economic History		EN [q2] [30h] [4 Credits] 🌐	x		
○ BESPO1160	Sociology	Benedikte Zitouni	EN [q1] [30h] [5 Credits] 🌐		x	
○ BECGE1316	Ethics and the economy 🇯🇪	Yannick Vanderborght	EN [q1] [30h] [5 Credits] 🌐			x

### o Computer Science and Quantitative Methods

○ BINGE1130	Mathematics for business engineers I	Thierry Lavendhomme	EN [q1] [30h+15h] [4 Credits] 🌐	x		
○ BINGE1132	Mathematics for business engineers II	Thierry Lavendhomme	EN [q2] [45h+22.5h] [5 Credits] 🌐	x		
○ BINGE1131	Probability	Cédric Heuchenne	EN [q2] [30h+22.5h] [4 Credits] 🌐	x		
○ BINGE1231	In depth Statistics 🇯🇪	Cédric Heuchenne	EN [q1] [45h+22.5h] [5 Credits] 🌐		x	
○ BECGE1230	Foundations of business information systems	Wim Laurier	EN [q2] [30h+30h] [4 Credits] 🌐		x	
○ BINGE1232	Mathematics for business engineers III 🇯🇪	Thierry Lavendhomme	EN [q2] [45h+15h] [5 Credits] 🌐		x	
○ BINGE1314	Multivariate Statistics and Econometrics 🇯🇪		EN [q1] [45h+15h] [6 Credits] 🌐			x
○ BINGE1311	Analysis and Design of Information Systems 🇯🇪	Wim Laurier	EN [q2] [30h+15h] [5 Credits] 🌐			x

### o Science and Technology

○ BINGE1140	Sciences and technologies I		EN [q1] [45h+22.5h] [5 Credits] 🌐	x		
○ BINGE1141	Sciences and technologies II	Amaud Delcorte	EN [q2] [45h+22.5h] [5 Credits] 🌐	x		
○ BINGE1242	Sciences and technologies III		EN [q2] [45h+30h] [5 Credits] 🌐		x	
○ BINGE1341	Sciences and technologies IV 🇯🇪	Paul Fisette	EN [q1] [45h] [5 Credits] 🌐			x

### o Languages

○ BANGL1191	English I	Françoise Longrée (coord.) Tanja Temmerman (coord.)	EN [q1+q2] [0h+30h] [4 Credits] 🌐	x		
○ 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.)	NL [q1+q2] [0h+30h] [4 Credits] 🌐	x		

				Year		
				1	2	3
○ BANGL1291	English II 🇬🇧		EN [q1+q2] [0h+60h] [5 Credits] 🌐		x	
○ BNEER1281	Dutch II 🇳🇱 Student who replaced the course unit of Dutch I the First Year by Dutch for Beginners I or Spanish I should follow the Second Year, the same course unit, higher level (Dutch for Beginners II or Spanish II). Additional informations are available at the Faculty secretariat.		NL [q1+q2] [0h+60h] [5 Credits] 🌐		x	
○ BANGL1391	English III 🇬🇧		EN [q2] [0h+30h] [4 Credits] 🌐			x
○ BNEER1381	Dutch III 🇳🇱 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.		NL [q2] [0h+30h] [4 Credits] 🌐			x

### o Optional Courses

Students must choose optional course totalling 5 credits.

#### ✂ Possible choice of a teaching unit from :

✂ BECGE1214	Human management		FR [q2] [30h+7.5h] [5 Credits] 🌐			x
✂ BECGE1216	Human Resource Management		EN [q2] [30h] [5 Credits] 🌐			x

#### ✂ Optional choice of one course unit among :

✂ BECGE1321	Organisational studies 🇬🇧	Karine Dejean	FR [q1] [30h] [5 Credits] 🌐			x
✂ BECGE1326	Humans and organization 🇳🇱		NL [q1] [30h] [5 Credits] 🌐			x

#### ✂ 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	NL [q2] [45h+15h] [5 Credits] 🌐			x
✂ BECGE1313	Environmental Economics 🇬🇧	Bertrand Hamaide	FR [q1] [30h] [5 Credits] 🌐			x
✂ BECGE1233	Game theory 🇬🇧	Ana Mauleon	FR [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		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 🇬🇧	Jean-Christophe Defraigne	EN [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 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

<b>BANGL1291</b>	"Anglais II" has prerequisite(s) BANGL1191
	• BANGL1191 - <a href="#">English I</a>
<b>BANGL1391</b>	"Anglais III" has prerequisite(s) BANGL1291
	• BANGL1291 - <a href="#">English II</a>
<b>BDROI1272</b>	"Questions spéciales de droit économique" has prerequisite(s) BECGE1110 ET BECGE1111
	• BECGE1110 - <a href="#">Economics I</a>
	• BECGE1111 - <a href="#">Economics II</a>
<b>BECGE1210</b>	"Microéconomie" has prerequisite(s) BECGE1110
	• BECGE1110 - <a href="#">Economics I</a>
<b>BECGE1211</b>	"Macroéconomie" has prerequisite(s) BECGE1111
	• BECGE1111 - <a href="#">Economics II</a>
<b>BECGE1212</b>	"Economie publique" has prerequisite(s) BECGE1110
	• BECGE1110 - <a href="#">Economics I</a>
<b>BECGE1213</b>	"Analyse des états financiers" has prerequisite(s) BECGE1112
	• BECGE1112 - <a href="#">Basis of accounting</a>
<b>BECGE1215</b>	"Public economics" has prerequisite(s) BECGE1110
	• BECGE1110 - <a href="#">Economics I</a>
<b>BECGE1218</b>	"Publieke economie" has prerequisite(s) BECGE1110
	• BECGE1110 - <a href="#">Economics I</a>
<b>BECGE1233</b>	"Théorie des jeux" has prerequisite(s) BINGE1232
	• BINGE1232 - <a href="#">Mathematics for business engineers III</a>
<b>BECGE1311</b>	"Economie industrielle" has prerequisite(s) BECGE1210
	• BECGE1210 - <a href="#">Microeconomics</a>
<b>BECGE1313</b>	"Economie de l'environnement" has prerequisite(s) BECGE1210
	• BECGE1210 - <a href="#">Microeconomics</a>
<b>BECGE1314</b>	"International Economics" has prerequisite(s) BECGE1210 ET BECGE1211
	• BECGE1210 - <a href="#">Microeconomics</a>
	• BECGE1211 - <a href="#">Macroeconomics</a>
<b>BECGE1316</b>	"Ethique et économie" has prerequisite(s) BECGE1110 ET BECGE1111
	• BECGE1110 - <a href="#">Economics I</a>
	• BECGE1111 - <a href="#">Economics II</a>
<b>BECGE1317</b>	"European Economics" has prerequisite(s) BECGE1110 ET BECGE1111
	• BECGE1110 - <a href="#">Economics I</a>
	• BECGE1111 - <a href="#">Economics II</a>
<b>BECGE1320</b>	"Management et stratégie" has prerequisite(s) BECGE1322
	• BECGE1322 - <a href="#">Marketing</a>
<b>BECGE1321</b>	"Théorie des organisations" has prerequisite(s) BESPO1160
	• BESPO1160 - <a href="#">Sociology</a>
<b>BECGE1326</b>	"Mens en organisatie" has prerequisite(s) BESPO1160
	• BESPO1160 - <a href="#">Sociology</a>
<b>BECGE1327</b>	"Corporate Finance" has prerequisite(s) BECGE1213 ET BECGE1115

	<ul style="list-style-type: none"> <li>• <a href="#">BECGE1213 - Financial Statement Analysis</a></li> <li>• <a href="#">BECGE1115 - Introduction to financial markets</a></li> </ul>
<b>BECGE1329</b>	" <a href="#">Simulation de gestion - jeu d'entreprise</a> " has prerequisite(s) <a href="#">BECGE1213</a> ET <a href="#">BECGE1322</a> ET <a href="#">BECGE1115</a> <ul style="list-style-type: none"> <li>• <a href="#">BECGE1213 - Financial Statement Analysis</a></li> <li>• <a href="#">BECGE1322 - Marketing</a></li> <li>• <a href="#">BECGE1115 - Introduction to financial markets</a></li> </ul>
<b>BECGE1340</b>	" <a href="#">Seminar in Economic History</a> " has prerequisite(s) <a href="#">BECGE1110</a> ET <a href="#">BECGE1211</a> ET <a href="#">BINGE1131</a> <ul style="list-style-type: none"> <li>• <a href="#">BECGE1110 - Economics I</a></li> <li>• <a href="#">BECGE1211 - Macroeconomics</a></li> <li>• <a href="#">BINGE1131 - Probability</a></li> </ul>
<b>BECGE1341</b>	" <a href="#">Public policy seminar</a> " has prerequisite(s) <a href="#">BECGE1210</a> ET <a href="#">BECGE1211</a> <ul style="list-style-type: none"> <li>• <a href="#">BECGE1210 - Microeconomics</a></li> <li>• <a href="#">BECGE1211 - Macroeconomics</a></li> </ul>
<b>BINGE1231</b>	" <a href="#">Statistique approfondie</a> " has prerequisite(s) <a href="#">BINGE1131</a> <ul style="list-style-type: none"> <li>• <a href="#">BINGE1131 - Probability</a></li> </ul>
<b>BINGE1232</b>	" <a href="#">Mathématiques pour ingénieur de gestion III</a> " has prerequisite(s) <a href="#">BINGE1132</a> <ul style="list-style-type: none"> <li>• <a href="#">BINGE1132 - Mathematics for business engineers II</a></li> </ul>
<b>BINGE1310</b>	" <a href="#">Gestion des opérations</a> " has prerequisite(s) <a href="#">BINGE1232</a> <ul style="list-style-type: none"> <li>• <a href="#">BINGE1232 - Mathematics for business engineers III</a></li> </ul>
<b>BINGE1311</b>	" <a href="#">Analyse et conception des systèmes d'information</a> " has prerequisite(s) <a href="#">BECGE1230</a> <ul style="list-style-type: none"> <li>• <a href="#">BECGE1230 - Foundations of business information systems</a></li> </ul>
<b>BINGE1314</b>	" <a href="#">Statistique multivariée et économétrie</a> " has prerequisite(s) <a href="#">BINGE1231</a> <ul style="list-style-type: none"> <li>• <a href="#">BINGE1231 - In depth Statistics</a></li> </ul>
<b>BINGE1341</b>	" <a href="#">Sciences et technologies IV</a> " has prerequisite(s) <a href="#">BINGE1242</a> <ul style="list-style-type: none"> <li>• <a href="#">BINGE1242 - Sciences and technologies III</a></li> </ul>
<b>BNEER1281</b>	" <a href="#">Néerlandais II</a> " has prerequisite(s) <a href="#">BNEER1181</a> <ul style="list-style-type: none"> <li>• <a href="#">BNEER1181 - Dutch I</a></li> </ul>
<b>BNEER1381</b>	" <a href="#">Néerlandais III</a> " has prerequisite(s) <a href="#">BNEER1281</a> <ul style="list-style-type: none"> <li>• <a href="#">BNEER1281 - Dutch II</a></li> </ul>

## 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...)



## o Content:

### o Economics

o BECGE1110	Economics I	Hélène Latzer	ES [q1] [45h +15h] [5 Credits]
o BECGE1111	Economics II	Jean-François Fagnart	ES [q2] [45h +22.5h] [6 Credits]

### o Management

o BECGE1112	Basis of accounting	Alexandre Girard	ES [q1] [45h +15h] [5 Credits]
o BECGE1115	Introduction to financial markets	Alexandre Girard	ES [q2] [30h +15h] [4 Credits]

### o Law

o BESPO1176	Law	Diane Bernard	ES [q1] [45h +15h] [5 Credits]
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### o Other Human and Social Sciences

o BINGE1161	Global Economic History		ES [q2] [30h] [4 Credits]
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### o Computer Science and Quantitative Methods


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

### o Science and Technology

o BINGE1140	Sciences and technologies I		ES [q1] [45h +22.5h] [5 Credits]
o BINGE1141	Sciences and technologies II	Arnaud Delcorte	ES [q2] [45h +22.5h] [5 Credits]

### o Languages

o BANGL1191	English I	Françoise Longrée (coord.) Tanja Temmerman (coord.)	ES [q1+q2] [0h +30h] [4 Credits]
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○ BNEER1181	<b>Dutch I</b> <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>	<b>Astrid De Munter (coord.)</b>	<b>NU</b> [q1+q2] [0h +30h] [4 Credits] 
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**INGB1BA - 2ND 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**

● BECGE1210	Microeconomics ■	Xavier Wauthy	FR [q1] [45h +15h] [6 Credits] 🌐
● BECGE1211	Macroeconomics ■	Jean-François Fagnart	FR [q2] [45h +15h] [6 Credits] 🌐

**o Management**

● BECGE1322	Marketing		FR [q1] [30h +15h] [5 Credits] 🌐
● BECGE1213	Financial Statement Analysis ■		FR [q1] [30h +15h] [4 Credits] 🌐

**o Law**

● BECGE1220	Commercial law	Pierre Jadoul	FR [q1] [45h] [5 Credits] 🌐
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**o Other Human and Social Sciences**

● BESPO1160	Sociology	Benedikte Zitouni	FR [q1] [30h] [5 Credits] 🌐
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**o Computer Science and Quantitative Methods**

● BINGE1231	In depth Statistics ■	Cédric Heuchenne	FR [q1] [45h +22.5h] [5 Credits] 🌐
● BECGE1230	Foundations of business information systems	Wim Laurier	FR [q2] [30h +30h] [4 Credits] 🌐
● BINGE1232	Mathematics for business engineers III ■	Thierry Lavendhomme	FR [q2] [45h +15h] [5 Credits] 🌐

**o Science and Technology**

● BINGE1242	Sciences and technologies III		FR [q2] [45h +30h] [5 Credits] 🌐
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## o Languages

○ BANGL1291	English II 🇬🇧		EN [q1+q2] [0h +60h] [5 Credits] 🌐
○ BNEER1281	Dutch II 🇳🇱 <i>Student who replaced the course unit of Dutch I the First Year by Dutch for Beginners I or Spanish I should follow the Second Year, the same course unit, higher level (Dutch for Beginners II or Spanish II). Additional informations are available at the Faculty secretariat.</i>		NL [q1+q2] [0h +60h] [5 Credits] 🌐

**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 ■	Alexandre Girard	[FR] [q2] [45h] [6 Credits] 🌐
○ BINGE1310	Operations management ■	Wim Laurier	[FR] [q1] [30h +15h] [5 Credits] 🌐
○ BECGE1320	Management and strategy ■		[FR] [q1] [30h] [5 Credits] 🌐
○ BECGE1327	Corporate Finance ■	Anouk Claes	[EN] [q2] [45h] [5 Credits] 🌐

**o Other Human and Social Sciences**

○ BECGE1316	Ethics and the economy ■	Yannick Vanderborght	[FR] [q1] [30h] [5 Credits] 🌐
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**o Computer Science and Quantitative Methods**

○ BINGE1314	Multivariate Statistics and Econometrics ■		[FR] [q1] [45h +15h] [6 Credits] 🌐
○ BINGE1311	Analysis and Design of Information Systems ■	Wim Laurier	[FR] [q2] [30h +15h] [5 Credits] 🌐

**o Science and Technology**

○ BINGE1341	Sciences and technologies IV ■	Paul Fisette	[FR] [q1] [45h] [5 Credits] 🌐
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**o Languages**

○ BANGL1391	English III ■		[EN] [q2] [0h +30h] [4 Credits] 🌐
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○ BNEER1381	<b>Dutch III</b> 🇳🇱 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.		<b>NL</b> [q2] [0h +30h] [4 Credits] 🌐
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## ○ Optional Courses

Students must choose optional course totalling 5 credits.

### ⌘ Possible choice of a teaching unit from :

⌘ BECGE1214	<b>Human management</b>		<b>FR</b> [q2] [30h +7.5h] [5 Credits] 🌐
⌘ BECGE1216	<b>Human Resource Management</b>		<b>FR</b> [q2] [30h] [5 Credits] 🌐

### ⌘ Optional choice of one course unit among :

⌘ BECGE1321	<b>Organisational studies</b> 🇳🇱	Karine Dejean	<b>FR</b> [q1] [30h] [5 Credits] 🌐
⌘ BECGE1326	<b>Humans and organization</b> 🇳🇱		<b>NL</b> [q1] [30h] [5 Credits] 🌐

### ⌘ Choose one course among the following :

⌘ BECGE1212	<b>Public economics</b> 🇳🇱	Gilles Grandjean	<b>FR</b> [q2] [45h +15h] [5 Credits] 🌐
⌘ BECGE1215	<b>Public economics</b> 🇳🇱	Tom Truyts	<b>FR</b> [q2] [45h +15h] [5 Credits] 🌐
⌘ BECGE1218	<b>Public economics</b> 🇳🇱	Tom Truyts	<b>NL</b> [q2] [45h +15h] [5 Credits] 🌐
⌘ BECGE1313	<b>Environmental Economics</b> 🇳🇱	Bertrand Hamaide	<b>FR</b> [q1] [30h] [5 Credits] 🌐
⌘ BECGE1233	<b>Game theory</b> 🇳🇱	Ana Mauleon	<b>FR</b> [q1] [30h +15h] [5 Credits] 🌐
⌘ BDROI1272	<b>Special questions of economic law</b> 🇳🇱	Alain Strowel Xavier Wauthy	<b>FR</b> [q2] [30h] [5 Credits] 🌐
⌘ BDURA1000	<b>Environmental Challenges and Issues</b>		<b>FR</b> [q2] [30h] [5 Credits] 🌐
⌘ BECGE1340	<b>Seminar in Economic History</b> 🇳🇱	Jean Lacroix Kim Oosterlinck	<b>FR</b> [q1] [30h] [5 Credits] 🌐
⌘ BECGE1341	<b>Public policy seminar</b> 🇳🇱	Gilles Grandjean (coord.) Hélène Latzer	<b>FR</b> [q2] [30h] [5 Credits] 🌐
⌘ BECGE1314	<b>International Economics</b> 🇳🇱	Jean-François Fagnart	<b>FR</b> [q2] [30h] [5 Credits] 🌐
⌘ BECGE1317	<b>European Economics</b> 🇳🇱	Jean-Christophe Defraigne	<b>FR</b> [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 2023-2024, you must have obtained your diploma during the academic years 2020-2021, 2021-2022 ou 2022-2023. 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 1<sup>st</sup> 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 \(fr\)](#).



## 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 [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".*

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

### Programmes d'échange

L'UCLouvain Saint-Louis - Bruxelles a conclu des conventions d'échanges avec des universités situées en dehors de la Fédération Wallonie-Bruxelles. Ces conventions permettent aux étudiant-es de suivre une partie de leur programme de bachelier dans une université partenaire tout en restant inscrit-es à titre principal à l'UCLouvain. Les étudiant-es en ingénieur de gestion peuvent participer à un séjour ERASMUS au deuxième quadrimestre du 3e bloc. Le programme suivi durant ce séjour représente environ 30 crédits.

Trois types d'échanges sont proposés aux étudiant-es :

- des **échanges Erasmus** avec des universités de pays de l'Union européenne
- des **échanges Erasmus Belgica** avec des universités belges néerlandophones
- des **échanges avec des universités hors d'Europe**, sur la base d'accords bilatéraux.

En savoir plus sur les [destinations](#) proposés.

### Bourses pour séjours linguistiques

La Faculté octroie des bourses aux étudiant-es qui souhaitent effectuer un séjour linguistique durant l'été. Les candidat-es à ces bourses sont sélectionné-es sur la base de leur résultat et de leur motivation.

## 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

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### Faculty administration

02 211 78 79 - [espo-slb@uclouvain.be](mailto: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

SSH/ESPB

Faculty of Economics, Social and Political Sciences and Communication Saint-Louis ([ESPB](#))

Human Sciences ([SSH](#))

ESPB

Boulevard du Jardin Botanique 43 - bte

1000 Bruxelles

### Mandate(s)

- Dean : Abraham Franssen

Academic supervisor: [Wim Laurier](#)

### Jury

- president: [Xavier Wauthy](#)
- secretary: [Tom Truyts](#)
- Third member: [Alexandre Girard](#)

