

## Faculty of Economic, Social and Political Sciences



INGE2

Ingénieur de gestion (Diploma of the Second Cycle (Licence) in Management)



### Programme management

IAG Département d'administration et de gestion

Responsable académique : Paul Belleflamme

### Study objectives

The second university study cycle programme ("licence" in Management covers three years of studies. It develops training in Management with a distinct orientation towards the application of quantitative methods and computer studies in management and also includes sound training in the Exact Sciences, Technology and Industrial Environment.

This programme offers the choice between three orientations : a general orientation, a CEMS orientation and a "Company Creation" orientation.

The CEMS orientation of the "licence" in Management enables the student to obtain in addition, and in the context of the three study years of the programme, the CEMS (Community of European Management Schools) Master. This supplementary diploma is jointly delivered by the European university management schools which make up the "Community of European Management Schools" (CEMS) ; these currently number 17 : Erasmus Universiteit (Rotterdam), ESADE (Barcelona), HEC (Paris), Helsinki School of Economics and BA (FI), IAG (UCL - Louvain-la-Neuve), Università Luigi Bocconi (Milan), Universität zu Köln (Cologne), Copenhagen Business School, Universität St Gallen (CH), London School of Economics, Stockholm School of Economics, Wirtschaftsuniversität Wien, Norwegian School of Economics and Business Administration (Bergen), Budapest University of Economic Sciences (HU), University of Economics Prague, Warsaw School of Economics et University College Dublin (Ireland). To obtain this diploma, besides a specific choice of courses in the context of the CEMS orientation, the student will have to acquire an international experience via a six-month stay in a foreign country (one semester of 3rd year courses in a CEMS school and 10 weeks abroad) and demonstrate in-depth knowledge of 2 foreign languages (information is available at the secretary's office).

The "Company Creation" orientation " is an interdisciplinary training course addressing students following the "licence" programme in Management, the " licence" in Law and in Civil Engineering. It aims at jointly preparing the students from the three programmes to work together on the conditions for creating a new company. It culminates in the writing of a common thesis in teams of three (one student per per programme) - a thesis of which the final objective is the real creation of a small to medium-sized company.

### Admission conditions

Access to the "licence" programme in Management is open to "candidat" diploma holders in Management.

### Admission procedure

The regular conditions and admission procedures are detailed on the web page "Access to studies":

<http://www.ucl.ac.be/etudes/libres/acces.html>

### General structure of the programme

- 1st year : a first approach to the functions of management (finance, marketing, general management, human management, operations management) and the underlying techniques and subjects (technology and research and development, operational research, computer studies, languages, grouped together in 8 domains.
- 2nd year : on the one hand, integration of the knowledge and methods, for example by means of an important technological project and, on the other hand, focus on opening up horizons by way of a compulsory exchange semester.
- 3rd year : more in-depth studies thanks to two specific study directions (to be chosen from among 11, such as human resources and organisation, company finances, market finances and financing institutions, audit and control, environment, logistics and supply chain Management, in-depth operational marketing, in-depth strategic marketing, strategies and innovation, information systems, European management strategies) and contact with the field by means of an apprenticeship linked to a thesis.

**Programme content****INGE 21 First year of studies**

*The volume of work is expressed in terms of Credits, 1/3 of the volume represents the hours of course attendance and 2/3 the personal work undertaken or the supervised group work.*

**General orientation****Compulsory courses**

<u>INGE1311</u>	Finance[45h+15h] (6 credits) (in French)	Philippe Grégoire
<u>INGE1312</u>	Production and Operations Research[45h+15h] (6 credits) (in French)	Per Joakim Agrell, Philippe Chevalier, Pierre Semal
<u>INGE1313</u>	The Theoretical Foundations of Management[45h+15h] (6 credits) (in French)	Paul Belleflamme, Matthieu de Nanteuil-Miribel
<u>ECGE1321</u>	Human Management[45h+15h] (6 credits) (in French)	Patrice Gobert, Armand Spineux
<u>INGE1321</u>	Marketing[45h+15h] (6 credits) (in French)	Chantal de Moerloose
<u>ECGE1220</u>	Management Computer Science and Information Systems[45h+15h] (5 credits) (in French)	Manuel Kolp, Alain Pirotte, Jean Vanderdonckt
<u>INGE1314</u>	Technological Research and Development[80h] (8 credits) (in French)	Anne-Marie Anckaert, Pierre Godard, Hervé Jeanmart, David Johnson, Benoît Macq, Bernard Nysten
<u>INGE1222</u>	Multivariate Statistical Analysis[30h+15h] (4 credits) (in French)	Léopold Simar, François Vandenhende (supplée Léopold Simar)

*One or two compulsory courses may be given in English.*

**Two language courses**

<u>ANGL1532</u>	Advanced Business English[60h] (5 credits)1+2q	Dominique François, Philippe Neyt, Henri November, Colleen Starrs, Françoise Stas, Albert Verhaegen
<u>NEER1532</u>	Advanced Dutch for Business Studies[60h] (4 credits)1+2q	Christel Vandegoor (coord.)
<i>or</i>		
<u>ALLE1532</u>	German business language[60h] (3 credits)1+2q	N.

**A one week period of work experience to be completed before registering for a complete exam session****"Company Creation" orientation**

*These students will follow the general orientation programme INGE21 and will add the following courses :*

<u>CPME2101</u>	main legal aspects[15h+30h] (3 credits) (in French)	Bernard Dubuisson
<u>CPME2102</u>	main economic and managerial aspects[15h+30h] (3 credits) (in French)	N.
<u>CPME2103</u>	main financial aspects[15h+30h] (3 credits) (in French)	N.

**INGE 22 Second year of studies****General orientation****Compulsory course**

*One of two compulsory courses may be given in English.*

<u>POGE2201</u>	Strategic and International Business Management[90h] (10 credits) (in French)	Régis Coeurderoy, André de Béthune, Marcel Gérard, Alain Vas
<u>CMPT2201</u>	Control management[45h] (5 credits) (in French)	Yves De Rongé, Thierry Muschang
<u>POGE2203</u>	Qualitative and Quantitative Data Analysis[45h] (5 credits) (in French)	Marie-Paule Kestemont, Marco Saerens (supplée Marie-Paule Kestemont), Alain Vas, Alain Vas (supplée Marie-Paule Kestemont)
<u>POGE2202</u>	Project Management[45h] (5 credits) (in French)	Philippe Chevalier, Jean Raucent, Pierre Semal
<u>TEKN2201</u>	Technological project[90h] (10 credits) (in French)	Anne-Marie Anckaert, Paul Fisette, Pierre Godard, David Johnson, Benoît Macq, Bernard Nysten

The students must complete the second quadrimester of their second year of studies (INGE22) in one of the following foreign universities :

- Europe : Budapest University of Economic Sciences (H), Copenhagen Business School (DK), Erasmus Universiteit Rotterdam (NL), Helsinki School of Economics and BA (FI), London School of Economics (GB), Norwegian School of Economics (Bergen) (N), Prague University of Economics (CZ), Stockholm School of Economics (S), Warsaw School of Economics (PL)

- Economics (PL), Universität zu Köln (D), Universität St Gallen (CH), Wirtschaftsuniversität Wien (A), Esade (E), Università Bocconi (I), HEC-Paris (F), University College Dublin (IRL)
- In English : University of Cincinnati (OH), Clemson University (SC), University of Texas at Austin, University of North Carolina (Chapel Hill, NC), Georgetown University (Washington DC), McGill University (Montreal), Queen's University (Kingston), University of Western Ontario (London-Ont.), Université Laval (Quebec), National University of Singapore, Nanyang University (SG), Yonsei University (Seoul KR), Osaka University, Sophia University (Tokyo), University of Macau, Thammasat University (Thailand), Kyoto University (Japan), Institute of Management Lucknow (India), University of Witwatersrand (Johannesbourg), University of Otago (New Zealand), Helsinki University of Technology (FI), Lappeenranta University of Technology (FI), Tampere University of Technology (FI), Linköping Institute of Technology (S), Trondheim University of Technology (NO), University of Manchester (GB)
  - In Dutch : T U Eindhoven (NL), University of Twente (NL), Katholieke Universiteit Leuven (B)
  - In Spanish : ICADE (E), EAFIT (Colombia), ESAN (Lima) (PE), ITAM (Mexico), ITESM (Mexico), Universidad Católica de Chile (Santiago), Universidad Adolfo Ibanez (Santiago) (CL)
  - In Italian : Università Bocconi (I), Politecnico di Torino (I)
  - In German : Technische Hochschule Darmstadt (D), Universität Karlsruhe (D).

### "Company Creation" orientation

The students will follow the general orientation programme INGE22, but will replace the "POGE2202 course - Project Management," by :

CPME2201 Management and development of the new firm[60h] (5 credits) (in French) Benoît Gailly, Frank Janssen

CPME2202 Entrepreneurship case studies[45h] (5 credits) (in French) Benoît Gailly, Frank Janssen

### CEMS orientation (Community of European Management Schools)

The students will follow the general orientation programme INGE22, but as they do a quadrimester abroad in year 23, they will replace the exchange semester INGE22 by a branch of extended studies from the year INGE23.

## INGE 23 Third year of studies

### General orientation

#### Two in-depth study directions (15 Credits per direction) to be chosen from among :

<u>IAG3010</u>	"Filière" Human resources and organisation[90h] (15 credits) (in French)	Nathalie Delobbe, Evelyne Léonard, Thomas Périlleux
<u>IAG3020</u>	"Filière" Corporate Finance[90h] (15 credits) (in French)	Luc Henrard, Michel Levasseur, Armin Schwienbacher
<u>IAG3030</u>	Financial markets and institutions[90h] (15 credits) (in French)	Nihat Aktas, Christophe Dispas (supplée Nihat Aktas), Philippe Grégoire, Luc Henrard, Michel Levasseur
<u>IAG3040</u>	Track "Audit and Control"[90h] (15 credits) (in French)	Yves De Rongé, Michel De Wolf, Catherine Dendauw, Thierry Muschang, Robert Peirce, Patrice Schumesch
"Environment" (This study direction is composed of the three following courses :)		
<u>FSA2245</u>	Environnement et entreprise[30h] (3 credits)2q (in French)	Thierry Bréchet
<u>IAG3051</u>	Management environnemental[30h] (15 credits) (in French)	Daniel Tyteca
<u>ESPO2104</u>	Séminaire de gestion des questions environnementales[30h] (5 credits) (in French)	Thierry Bréchet
<u>IAG3060</u>	Filière Logistics and Supply Chain Management[90h] (15 credits) (in French)	Per Joakim Agrell, Philippe Chevalier, Etienne Loute, Yves Pochet, Pierre Semal
<u>IAG3070</u>	Filière Marketing opérationnel approfondi[90h] (15 credits) (in French)	Ruben Alberto Chumpitaz Caceres, Ruben Alberto Chumpitaz Caceres (supplée Marie-Paule Kestemont), Jacques François, Jacques François (supplée Marie-Paule Kestemont), Marie-Paule Kestemont, Isabelle Schuiling
<u>IAG3080</u>	Filière Marketing stratégique approfondi[90h] (15 credits) (in French)	Chantal de Moerloose, Claudine Laperche, Paul Pellemans, Valérie Swaen
<u>IAG3090</u>	"Filière" Strategy and innovation[90h] (15 credits) (in French)	Paul Belleflamme, Benoît Gailly
<u>IAG3100</u>	Filière Systèmes d'information[90h] (15 credits) (in French)	Manuel Kolp, Alain Pirotte, Marco Saerens, Jean Vanderdonck
"European Management Strategies"		
<u>ECAP2210</u>	Politiques économiques européennes[30h] (5 credits) (in French)	Pierre Defraigne

<u>POGE2230</u>	French) Corporate strategy in the European context[30h] (5 credits) (in French)	André de Béthune
<u>CEMS2305</u>	Legal Aspects of international Business Management[30h] (5 credits) (in French)	Philippe Malherbe
<u>IAG3111</u>	Séminaire d'intégration[15h] (in French) <i>(The choice of these different branches remains to be confirmed)</i>	Régis Coeurderoy
<b>One course on Religious Sciences to be chosen from among [3 Credits] :</b>		
<u>ESPO2201</u>	Issues of religious sciences: Christian faith[15h] (2 credits) (in French)	Jean-François Grégoire (supplée Gabriel Ringlet), Gabriel Ringlet
<u>ESPO2202</u>	Issues of religious sciences: the Bible and its message[15h] (2 credits) (in French)	Jean-Pierre Delville
<u>ESPO2203</u>	Special issues of religious sciences: the Christian ethic[15h] (2 credits) (in French)	Walter Lesch

**Apprenticeship****Thesis-project (24 Credits)****Seminars**

<u>IAG3001</u>	Questions over the economic and managerial actuality[30h] (4 credits) (in French)	Philippe Wilmes
<u>IAG3002</u>	Séminaire de suivi du stage et mémoire[30h] (4 credits) (in French)	Matthieu de Nanteuil-Miribel, Thomas Périlleux

**Company Creation orientation**

*These students will add the following seminar to the INGE23 programme*

<u>CPME2301</u>	Key steps in firm creation[30h] (4 credits) (in French)	Frank Janssen
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**CEMS orientation (Community of European Management Schools)****Six courses to be chosen from among :**

<u>CEMS2301</u>	Supply Chain Modelling and management[30h] (5 credits) (in French)	Per Joakim Agrell, Pierre Semal
<u>CEMS2302</u>	International Management of Human Resources[30h] (5 credits) (in English)	Marc Fourny
<u>CEMS2303</u>	Cross-cultural Competence and Management in Europe[30h] (5 credits) (in French)	N.
<u>CEMS2304</u>	International Financial Management[30h] (5 credits) (in French)	Patrick Zurstrassen
<u>CEMS2305</u>	Legal Aspects of international Business Management[30h] (5 credits) (in French)	Philippe Malherbe
<u>CEMS2311</u>	Management and Financing of technological Innovation[30h] (5 credits) (in French)	Benoît Gailly
<u>CEMS2312</u>	E-Management[30h] (5 credits) (in French)	Olivier de Broqueville, Anne-Cécile Jeandrain

**One course on Religious Sciences to be chosen from among [3 Credits] :**

<u>ESPO2201</u>	Issues of religious sciences: Christian faith[15h] (2 credits) (in French)	Jean-François Grégoire (supplée Gabriel Ringlet), Gabriel Ringlet
<u>ESPO2202</u>	Issues of religious sciences: the Bible and its message[15h] (2 credits) (in French)	Jean-Pierre Delville
<u>ESPO2203</u>	Special issues of religious sciences: the Christian ethic[15h] (2 credits) (in French)	Walter Lesch

**A "Blocked seminar" (2 Credits)**

*One week intensive seminar given by instructors from the different CEMS schools.*

**A "Business project" (11 Credits)**

*Group study of a practical company case.*

**Thesis-project (18 Credits)**

**One semester of the year will be completed on an exchange basis with a partner CEMS school abroad, where the student will follow part of the above programme.**

**Positioning of the degree within the University cursus**

The "licence" degree in Management, when awarded with distinction - application may be introduced for a derogation regarding the grade - entitles access to all the 3rd cycle (master) programmes in specialisation in management : the DES in Economics and Management (ECGE 3DS), orientation : Management, Computer Studies in Management or Financial Economics, or to the 3rd cycle of studies in Management as a preparation for doctoral research : the DEA in Economics and management (ECGE 3DA). Furthermore, this degree also entitles access to all the 2nd cycle masters for 60 credits organised in 1 year at the Faculty of Economic, Social and Political Sciences or in certain other faculties.