

## Block view of the study programme

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### Block 1

#### Pre-requisite

*Notice* : Students admitted to the "Sciences and Technologies" focus on the basis of an application file may be invited, depending on their prior academic background, to take the following complementary course(s):

GEST5001-1 *Integration activities in science and technology - part 1* - Pierre DENEYE - [8d Proj.] TA - - [+] 2

GEST5002-1 *Integration activities in science and technology - part 2* - Pierre DENEYE - [8d Proj.] TA - - [+] 2

*Notice* : Students admitted to the "Digital Business" focus on the basis of an application file may be invited, depending on their prior academic background, to take the following complementary course(s):

GEST5003-1 *Integration activities in digital business - part 1* - Michael SCHYNS - [8d Proj.] TA - - [+] 2

GEST5004-1 *Integration activities in digital business - part 2* - Michael SCHYNS - [8d Proj.] TA - - [+] 2

#### Core curriculum compulsory courses

INFO2048-1 *Business Analytics* (english language) - Michael SCHYNS Q2 30 - - 5

GEST7105-1 *Scientific Methods in Management* (english language) - Frédéric DUFAYS TA 24 - - 5  
 - *Methods for Rigorous Research in Management and Economics* - Frédéric DUFAYS 6 - -  
 - *Master Thesis and Internship : Regulations and Procedures* - Frédéric DUFAYS

#### Common core courses

##### Choose one of the following modules :

##### Module 1 (aimed at internationally mobile students)

ERAS0017-1 *Erasmus HEC (MIG)* - N... - - - 20

##### Module 2

GEST7108-1 *Leadership* (english language) - Michaël PARMENTIER Q1 30 - - 5

GEST3029-1 *Strategy & Organizations* (english language) - Nathalie CRUTZEN, Anthony SANTINO Q1 30 - - 5

##### Choose two courses out of the following :

GEST6003-1 *International Business Engineering Seminar* (english language) Q1 30 - - 5

MARK9302-1 (pas organisé en 2026-2027) *International Marketing Seminar* (english language) Q1 30 - - 5

STAT0800-1 *Models and Methods in Applied Statistics* (english language) - Cédric HEUCHENNE Q1 30 - - 5

GEST3032-1 *e-Commerce Methods and Techniques* (english language) - Ashwin ITTOO Q1 30 - - 5

GEST3047-1 *Environmental Management* (english language) Q1 30 - - 5

##### Select 1 language course out of the following :

[...] One level 4 course or basic level 1

LANG1925-1 *German 4* (german language) Q2 30 - - 5

LANG1926-1 *Advanced German 4* (german language) Q2 30 - - 5

LANG1933-1 *Elementary German 1* TA 30 - - 5

LANG6009-1	<i>Elementary Chinese 1</i>	Q2	30	-	-	5
LANG1927-1	<i>Spanish 4</i> (spanish language)	Q2	30	-	-	5
LANG1928-1	<i>Advanced Spanish 4</i> (spanish language)	Q2	30	-	-	5
LANG1934-1	<i>Elementary Spanish 1</i>	TA	30	-	-	5
LANG1929-1	<i>(Advanced) Italian 4</i> (italian language)	Q2	30	-	-	5
LANG6010-1	<i>Elementary Italian 1</i>	Q2	30	-	-	5
LANG1932-1	<i>Dutch 4</i> (dutch language)	Q2	30	-	-	5
LANG1936-1	<i>Elementary Dutch 1</i>	Q2	30	-	-	5
LANG1954-1	<i>French beginner level 1</i> - ISLV, Marielle MARÉCHAL	Q2	30	-	-	5

Notice : the course LANG1954-1 is only accessible to non-French-speaking international students.

Choose one of the following courses :

MQGE9006-1	<i>Forecasting and Microsimulation</i> (english language)	Q2	30	-	-	5
TECH0003-4	<i>Innovative technological projects</i> - Pierre DENEYE	Q2	30	-	-	5
MQGE9008-1	<i>Artificial Intelligence tools for Business Analytics</i> (english language)	Q2	30	-	-	5
FINA0050-1	<i>Corporate Finance - Lectures and Seminars</i> (english language) - Marie LAMBERT	Q2	30	-	-	5

Choose 1 sustainability course from:

FINA9030-1	<i>Sustainable Finance</i> (english language) - <i>Ethics and Sustainability in Finance</i> - Patrick SCHWARZ - <i>Sustainable Business Models : a Serious Game</i> - Virginie XHAUFLAIR	Q2	18	-	-	5
TECH2002-1	<i>Life Cycle Management</i> (english language) - <i>Life Cycle Assessment &amp; Ecodesign</i> - Andrea DI MARIA, Angélique LÉONARD - <i>Sustainable Business Models : a Serious Game</i> - Virginie XHAUFLAIR	Q2	18	-	-	5
GEST7106-1	<i>Reporting and Metrics for Sustainability</i> (english language) - <i>Sustainability Reporting and Strategy</i> - Nathalie CRUTZEN - <i>Sustainable Business Models : a Serious Game</i> - Virginie XHAUFLAIR	Q2	18	-	-	5

### Focus compulsory courses

Notice : Registration only with a file (see admission conditions)

ECON2275-1	<i>Economics of Innovation</i> (english language) - Lionel ARTIGE	Q2	30	-	-	5
GEST3755-1	<i>Innovation Project Definition and Development (partim I)</i> (english language) - Olivier LISEIN	Q2	30	-	-	5
GEST3757-1	<i>Strategy and Business Model Generation</i> (english language) - Frédéric OOMS	Q2	30	-	-	5

### Block 2

#### Core curriculum compulsory courses

GPRO0002-1	<i>Skills workshops</i> - David HOMBURG	TA	-	-	-	5
GEST3752-1	<i>Change Management</i> (english language) - Olivier LISEIN	Q1	30	10	-	5
GEST3754-1	<i>Entrepreneurship and Innovation</i> (english language) - Frédéric DUFAYS, Frédéric OOMS	Q1	30	-	-	5

#### Common core courses

Choose courses totalling 25 ECTS from the following :

GTFE8003-1	<i>Project-Thesis</i> <b>Prerequisite :</b>	TA	-	-	-	25
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	GEST7105-1 - Scientific Methods in Management				
GTFE0014-1	<i>Research-Thesis</i> <b>Prerequisite :</b> GEST7105-1 - Scientific Methods in Management	TA	-	-	16
GSTG0016-1	<i>Internship</i>	Q2	-	-	9
GTFE9005-1	<i>Intrapreneurial Thesis</i> (english language) <b>Prerequisite :</b> GEST7105-1 - Scientific Methods in Management	TA	-	-	16
GEST3759-1	<i>Strategic, Organizational and Information System Audits</i> (english language) - Olivier LISEIN - [200h AUTR] <b>Corequisite :</b> GEST3764-1 - Innovation Project Definition and Development (partim II) GEST3766-1 - Leadership in Project and Change Management GEST3767-1 - Consultant Roles and Responsibilities	TA	24	-	[+] 9

*Notice :* Courses GTFE9005-1 and GEST3759-1 are compulsory and only accessible to students enrolled in the focus in Intrapreneurship and Management of Innovation Projects.

Choisir 1 cours de langue parmi (poursuite du choix de langue de bloc 1) :

[...] One level 5 course or basic level 2

LANG1938-1	<i>German 5</i> (german language)	Q1	30	-	-	5
LANG1939-1	<i>Advanced German 5</i> (german language)	Q1	30	-	-	5
LANG1945-1	<i>Elementary German 2</i> <b>Prerequisite :</b> LANG1933-1 - Allemand élémentaire 1	Q1	30	-	-	5
LANG7002-1	<i>Elementary Chinese 2</i> <b>Prerequisite :</b> LANG6009-1 - Chinois élémentaire 1	Q1	30	-	-	5
LANG1940-1	<i>Spanish 5</i> (spanish language)	Q1	30	-	-	5
LANG1941-1	<i>Advanced Spanish 5</i> (spanish language)	Q1	30	-	-	5
LANG1946-1	<i>Elementary Spanish 2</i> <b>Prerequisite :</b> LANG1934-1 - Espagnol élémentaire 1	Q1	30	-	-	5
LANG1942-1	<i>(Advanced) Italian 5</i> (italian language)	Q1	30	-	-	5
LANG7003-1	<i>Elementary Italian 2</i> <b>Prerequisite :</b> LANG6010-1 - Italien élémentaire 1	Q1	30	-	-	5
LANG1950-1	<i>Dutch 5</i> (dutch language)	Q1	30	-	-	5
LANG1948-1	<i>Elementary Dutch 2</i> (dutch language) <b>Prerequisite :</b> LANG1936-1 - Néerlandais élémentaire 1	Q1	30	-	-	5
LANG1955-1	<i>French beginner level 2</i> - ISLV, Marielle MARÉCHAL <b>Prerequisite :</b> LANG1954-1 - French beginner level 1	Q1	30	-	-	5

**Focus compulsory courses**

*Notice :* Registration only with a file (see admission conditions)

GEST3767-1	<i>Consultant Roles and Responsibilities</i> (english language) - <i>Part 1 : Self-Positioning and Stakeholder Management</i> - Giseline RONDEAUX - <i>Part 2 : Stimulation of Collective Intelligence</i> - Deniz BOGA <b>Corequisite :</b>	Q2	15	-	-	4
			15	-	-	

	GEST3759-1 - Strategic, Organizational and Information System Audits GEST3764-1 - Innovation Project Definition and Development (partim II) GEST3766-1 - Leadership in Project and Change Management					
GEST3764-1	<i>Innovation Project Definition and Development (partim II)</i> (english language) - Olivier LISEIN - [12h AUTR] <b>Prerequisite :</b> GEST3755-1 - Innovation Project Definition and Development (partim I) <b>Corequisite :</b> GEST3759-1 - Strategic, Organizational and Information System Audits GEST3767-1 - Consultant Roles and Responsibilities GEST3766-1 - Leadership in Project and Change Management	Q1	18	-	[+]	5
GEST3766-1	<i>Leadership in Project and Change Management</i> (english language) - Olivier LISEIN, Michaël PARMENTIER <b>Corequisite :</b> GEST3759-1 - Strategic, Organizational and Information System Audits GEST3764-1 - Innovation Project Definition and Development (partim II) GEST3767-1 - Consultant Roles and Responsibilities	Q2	30	-	-	6

**Bloc d'aménagement du programme de l'année**

**Bridging courses Master in management engineering (45-60 credits) - for graduates in civil or industrial engineering (who have completed advanced courses in science, technology and mathematics in their core curriculum)**

**Optional courses**

The student's annual programme will be determined by the board based on their prior education. It will include 45 to 60 credits selected from the following:

GEST0588-5	<i>Introduction to the analysis of organisations</i> - Wouter VLEUGELS	Q1	27	-	-	3
DROI2001-1	<i>The law in its relations with the economic world</i> - <i>Droit public</i> - Christophe DEPREZ - <i>Droit privé</i> - Arianne SALVÉ - <i>Droit de l'entreprise</i> - Laurent STAS DE RICHELLE	Q2		15	-	5
				30	-	
				15	-	
GEST1056-1	<i>Analytical accounting and management control</i> - Didier VAN CAILLIE	Q2	40	20	-	5
GEST0832-4	<i>Financial Markets</i> - Georges HÜBNER	Q2	40	15	-	5
ECON2259-1	<i>Microeconomics and industrial economy</i>	Q1	40	15	-	5
GEST3014-2	<i>Principles of marketing</i> - Nadia STEILS	Q1	50	-	-	5
FINA0001-1	<i>Financial statement analysis and financing an enterprise</i> - Wouter TORSIN	Q2	45	-	-	5
GEST0193-1	<i>Business Simulation</i> - Anne BILS, Anne CHANTEUX, Wilfried NIESSEN - [30h Mon. WS]	TA	-	-	[+]	2
ECON0212-3	<i>Econometrics</i> - Malka GUILLOT	Q1	30	15	-	4
GRHO0001-4	<i>Strategic Human Resources Management</i> - Grégory JEMINE	Q1	45	-	-	5
INFO9001-3	<i>Digital Transformation</i> (english language) - <i>Digital Strategy</i> - Nicolas NEYSEN - <i>Information Technology Management</i> - Ashwin ITTOO	Q1		22	-	5
				22	-	
MQGE0001-6	<i>Operations Research</i> (english language) - Jérôme DE BOECK	Q1	45	-	-	5
LOGI0010-1	<i>Supply Chain Management</i> (english language) - Yasemin ARDA	Q2	45	-	-	5

**Bridging courses Master in management engineering (45-60 credits) - for graduates in management or applied economics (who have not taken science, technology or**

## advanced mathematics courses in their core curriculum)

### Optional courses

The student's annual programme will be determined by the board based on their prior education. It will include 45 to 60 credits selected from the following:

CHIM0092-2	<i>General chemistry</i> - Christine BERTRAND	Q2	40	20	-	5
MATH2009-1	<i>Mathematics: Linear Algebra</i> - Célia PAQUAY	Q2	35	13	-	4
MATH2008-1	<i>Mathematics: Analysis infinitesimal</i> - Valérie HENRY	Q1	27	27	-	4
MATH0059-2	<i>Mathematics for business engineers</i> - Bernard FORTZ	Q1	35	20	-	5
PHYS0956-3	<i>General Physics: part I</i> - Pierre DENEYE	Q1	40	20	-	5
PHYS0122-3	<i>General Physics: part II</i> - Pierre DENEYE	Q2	40	15	-	5
TECH0763-2	<i>Science and technology</i> - Robin CRUNENBERG, Sabine DANTHINE, Brigitte EVRARD, Angélique LÉONARD	Q1	45	-	-	4
GEST1056-1	<i>Analytical accounting and management control</i> - Didier VAN CAILLIE	Q2	40	20	-	5
INFO0076-1	<i>Computing in management engineering</i> - Michael SCHYNS	Q2	40	15	-	5
INFO9001-3	<i>Digital Transformation</i> (english language) - <i>Digital Strategy</i> - Nicolas NEYSEN - <i>Information Technology Management</i> - Ashwin ITTOO	Q1				5
			22	-	-	
			22	-	-	
ECON0212-3	<i>Econometrics</i> - Malka GUILLOT	Q1	30	15	-	4
MQGE0001-6	<i>Operations Research</i> (english language) - Jérôme DE BOECK	Q1	45	-	-	5
LOGI0010-1	<i>Supply Chain Management</i> (english language) - Yasemin ARDA	Q2	45	-	-	5
STAT1208-2	<i>Probability and statistical inference</i> - Cédric HEUCHENNE	Q1	50	15	-	6
GEST0193-1	<i>Business Simulation</i> - Anne BILS, Anne CHANTEUX, Wilfried NIESSEN - [30h Mon. WS]	TA	-	-	[+]	2

## Bridging courses Master in management engineering (45-60 credits) - for graduates in management or applied economics (who have not taken science or technology courses but have completed a substantial number of advanced mathematics courses in their core curriculum).

### Optional courses

The student's annual programme will be determined by the board based on their prior education. It will include 45 to 60 credits selected from the following:

CHIM0092-2	<i>General chemistry</i> - Christine BERTRAND	Q2	40	20	-	5
PHYS0956-3	<i>General Physics: part I</i> - Pierre DENEYE	Q1	40	20	-	5
PHYS0122-3	<i>General Physics: part II</i> - Pierre DENEYE	Q2	40	15	-	5
TECH0763-2	<i>Science and technology</i> - Robin CRUNENBERG, Sabine DANTHINE, Brigitte EVRARD, Angélique LÉONARD	Q1	45	-	-	4
GEST1056-1	<i>Analytical accounting and management control</i> - Didier VAN CAILLIE	Q2	40	20	-	5
INFO0076-1	<i>Computing in management engineering</i> - Michael SCHYNS	Q2	40	15	-	5
INFO9001-3	<i>Digital Transformation</i> (english language)	Q1				5

	- <i>Digital Strategy</i> - Nicolas NEYSEN	22	-	-	
	- <i>Information Technology Management</i> - Ashwin ITTOO	22	-	-	
ECON0212-3	<i>Econometrics</i> - Malka GUILLOT	Q1	30	15	- 4
GRHO0001-4	<i>Strategic Human Resources Management</i> - Grégory JEMINE	Q1	45	-	- 5
MQGE0001-6	<i>Operations Research</i> (english language) - Jérôme DE BOECK	Q1	45	-	- 5
LOGI0010-1	<i>Supply Chain Management</i> (english language) - Yasemin ARDA	Q2	45	-	- 5
GEST0193-1	<i>Business Simulation</i> - Anne BILS, Anne CHANTEUX, Wilfried NIESSEN - [30h Mon. WS]	TA	-	-	[+] 2
STAT1208-2	<i>Probability and statistical inference</i> - Cédric HEUCHENNE	Q1	50	15	- 6
GEST0832-4	<i>Financial Markets</i> - Georges HÜBNER	Q2	40	15	- 5