

## Cycle view of the study programme

B1 Or Th Pr Au Cr

### Pre-requisite (B1 : 4Cr)

*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	<i>Integration activities in science and technology - part 1</i> - Pierre DENEYE - [8d Proj.]	B1	TA	-	-	[+]	2
------------	---	----	----	---	---	-----	---

GEST5002-1	<i>Integration activities in science and technology - part 2</i> - Pierre DENEYE - [8d Proj.]	B1	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	<i>Integration activities in digital business - part 1</i> - Michael SCHYNS - [8d Proj.]	B1	TA	-	-	[+]	2
------------	--	----	----	---	---	-----	---

GEST5004-1	<i>Integration activities in digital business - part 2</i> - Michael SCHYNS - [8d Proj.]	B1	TA	-	-	[+]	2
------------	--	----	----	---	---	-----	---

### Core curriculum compulsory courses (B1 : 10Cr, B2 : 15Cr)

INFO2048-1	<i>Business Analytics</i> (english language) - Michael SCHYNS	B1	Q2	30	-	-	5
------------	---	----	----	----	---	---	---

GEST7105-1	<i>Scientific Methods in Management</i> (english language) - Frédéric DUFAYS	B1	TA				5
	- <i>Methods for Rigorous Research in Management and Economics</i> - Frédéric DUFAYS			24	-	-	
	- <i>Master Thesis and Internship : Regulations and Procedures</i> - Frédéric DUFAYS			6	-	-	

GPRO0002-1	<i>Skills workshops</i> - David HOMBURG	B2	TA	-	-	-	5
------------	---	----	----	---	---	---	---

GEST3752-1	<i>Change Management</i> (english language) - Olivier LISEIN	B2	Q1	30	10	-	5
------------	--	----	----	----	----	---	---

GEST3754-1	<i>Entrepreneurship and Innovation</i> (english language) - Frédéric DUFAYS, Frédéric OOMS	B2	Q1	30	-	-	5
------------	--	----	----	----	---	---	---

### Common core courses (B1 : 35Cr, B2 : 30Cr)

#### Choose one of the following modules : (B1 : 20Cr)

##### Module 1 (aimed at internationally mobile students) (B1 : 20Cr)

ERAS0017-1	<i>Erasmus HEC (MIG)</i> - N...	B1		-	-	-	20
------------	---------------------------------	----	--	---	---	---	----

##### Module 2 (B1 : 20Cr)

GEST7108-1	<i>Leadership</i> (english language) - Michaël PARMENTIER	B1	Q1	30	-	-	5
------------	---	----	----	----	---	---	---

GEST3029-1	<i>Strategy &amp; Organizations</i> (english language) - Nathalie CRUTZEN, Anthony SANTINO	B1	Q1	30	-	-	5
------------	--	----	----	----	---	---	---

#### Choose two courses out of the following : (B1 : 10Cr)

GEST6003-1	<i>International Business Engineering Seminar</i> (english language)	B1	Q1	30	-	-	5
------------	--	----	----	----	---	---	---

MARK9302-1	(pas organisé en 2026-2027) <i>International Marketing Seminar</i> (english language)	B1	Q1	30	-	-	5
------------	---	----	----	----	---	---	---

STAT0800-1	<i>Models and Methods in Applied Statistics</i> (english language) - Cédric HEUCHENNE	B1	Q1	30	-	-	5
------------	---	----	----	----	---	---	---

GEST3032-1	<i>e-Commerce Methods and Techniques</i> (english language) - Ashwin ITTOO	B1	Q1	30	-	-	5
------------	--	----	----	----	---	---	---

GEST3047-1	<i>Environmental Management</i> (english language)	B1	Q1	30	-	-	5
------------	--	----	----	----	---	---	---

#### Choose courses totalling 25 ECTS from the following : (B2 : 25Cr)

GTFE8003-1	<i>Project-Thesis</i>	B2	TA	-	-	-	25
------------	-----------------------	----	----	---	---	---	----

	<b>Prerequisite :</b> GEST7105-1 - Scientific Methods in Management							
GTFE0014-1	<i>Research-Thesis</i>	B2	TA	-	-	-	-	<b>16</b>
	<b>Prerequisite :</b> GEST7105-1 - Scientific Methods in Management							
GSTG0016-1	<i>Internship</i>	B2	Q2	-	-	-	-	<b>9</b>
GTFE9005-1	<i>Intrapreneurial Thesis</i> (english language)	B2	TA	-	-	-	-	<b>16</b>
	<b>Prerequisite :</b> GEST7105-1 - Scientific Methods in Management							
GEST3759-1	<i>Strategic, Organizational and Information System Audits</i> (english language) - Olivier LISEIN - [200h AUTR]	B2	TA	24	-	-	[+]	<b>9</b>
	<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							

*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.

Choose two courses out of the following : (B1 : 5Cr, B2 : 5Cr)

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

LANG1925-1	<i>German 4</i> (german language)	B1	Q2	30	-	-	-	<b>5</b>
LANG1926-1	<i>Advanced German 4</i> (german language)	B1	Q2	30	-	-	-	<b>5</b>
LANG1933-1	<i>Elementary German 1</i>	B1	TA	30	-	-	-	<b>5</b>
LANG6009-1	<i>Elementary Chinese 1</i>	B1	Q2	30	-	-	-	<b>5</b>
LANG1927-1	<i>Spanish 4</i> (spanish language)	B1	Q2	30	-	-	-	<b>5</b>
LANG1928-1	<i>Advanced Spanish 4</i> (spanish language)	B1	Q2	30	-	-	-	<b>5</b>
LANG1934-1	<i>Elementary Spanish 1</i>	B1	TA	30	-	-	-	<b>5</b>
LANG1929-1	<i>(Advanced) Italian 4</i> (italian language)	B1	Q2	30	-	-	-	<b>5</b>
LANG6010-1	<i>Elementary Italian 1</i>	B1	Q2	30	-	-	-	<b>5</b>
LANG1932-1	<i>Dutch 4</i> (dutch language)	B1	Q2	30	-	-	-	<b>5</b>
LANG1936-1	<i>Elementary Dutch 1</i>	B1	Q2	30	-	-	-	<b>5</b>
LANG1954-1	<i>French beginner level 1</i> - ISLV, Marielle MARÉCHAL	B1	Q2	30	-	-	-	<b>5</b>

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

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

LANG1938-1	<i>German 5</i> (german language)	B2	Q1	30	-	-	-	<b>5</b>
LANG1939-1	<i>Advanced German 5</i> (german language)	B2	Q1	30	-	-	-	<b>5</b>
LANG1945-1	<i>Elementary German 2</i>	B2	Q1	30	-	-	-	<b>5</b>
	<b>Prerequisite :</b> LANG1933-1 - Allemand élémentaire 1							
LANG7002-1	<i>Elementary Chinese 2</i>	B2	Q1	30	-	-	-	<b>5</b>
	<b>Prerequisite :</b> LANG6009-1 - Chinois élémentaire 1							
LANG1940-1	<i>Spanish 5</i> (spanish language)	B2	Q1	30	-	-	-	<b>5</b>
LANG1941-1	<i>Advanced Spanish 5</i> (spanish language)	B2	Q1	30	-	-	-	<b>5</b>
LANG1946-1	<i>Elementary Spanish 2</i>	B2	Q1	30	-	-	-	<b>5</b>
	<b>Prerequisite :</b> LANG1934-1 - Espagnol élémentaire 1							
LANG1942-1	<i>(Advanced) Italian 5</i> (italian language)	B2	Q1	30	-	-	-	<b>5</b>

LANG7003-1	<i>Elementary Italian 2</i> <b>Prerequisite :</b> LANG6010-1 - Italien élémentaire 1	B2	Q1	30	-	-	<b>5</b>
LANG1950-1	<i>Dutch 5 (dutch language)</i>	B2	Q1	30	-	-	<b>5</b>
LANG1948-1	<i>Elementary Dutch 2 (dutch language)</i> <b>Prerequisite :</b> LANG1936-1 - Néerlandais élémentaire 1	B2	Q1	30	-	-	<b>5</b>
LANG1955-1	<i>French beginner level 2 - ISLV, Marielle MARÉCHAL</i> <b>Prerequisite :</b> LANG1954-1 - French beginner level 1	B2	Q1	30	-	-	<b>5</b>

Choose one of the following courses : (B1 : 5Cr)

MQGE9006-1	<i>Forecasting and Microsimulation (english language)</i>	B1	Q2	30	-	-	<b>5</b>
TECH0003-4	<i>Innovative technological projects - Pierre DENEYE</i>	B1	Q2	30	-	-	<b>5</b>
MQGE9008-1	<i>Artificial Intelligence tools for Business Analytics (english language)</i>	B1	Q2	30	-	-	<b>5</b>
FINA0050-1	<i>Corporate Finance - Lectures and Seminars (english language) - Marie LAMBERT</i>	B1	Q2	30	-	-	<b>5</b>

Choose 1 sustainability course from: (B1 : 5Cr)

FINA9030-1	<i>Sustainable Finance (english language)</i> - <i>Ethics and Sustainability in Finance</i> - Patrick SCHWARZ - <i>Sustainable Business Models : a Serious Game</i> - Virginie XHAUFLAIR	B1	Q2	18	-	-	<b>5</b>
TECH2002-1	<i>Life Cycle Management (english language)</i> - <i>Life Cycle Assessment &amp; Ecodesign</i> - Andrea DI MARIA, Angélique LÉONARD - <i>Sustainable Business Models : a Serious Game</i> - Virginie XHAUFLAIR	B1	Q2	18	-	-	<b>5</b>
GEST7106-1	<i>Reporting and Metrics for Sustainability (english language)</i> - <i>Sustainability Reporting and Strategy</i> - Nathalie CRUTZEN - <i>Sustainable Business Models : a Serious Game</i> - Virginie XHAUFLAIR	B1	Q2	18	-	-	<b>5</b>

**Focus compulsory courses (B1 : 15Cr, B2 : 15Cr)**

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

HULG9280-1	<i>Industrial chemistry - Sophie PIRARD</i>	B1	Q2	35	-	-	<b>3</b>
HULG9281-1	<i>Technical drawing and Computer Aided Design (CAD) - Pierre ERNST</i>	B1	Q2	55	-	-	<b>5</b>
HULG9282-1	<i>Logical systems - Nathalie VETCOUR</i>	B1	Q2	50	-	-	<b>4</b>
HULG9283-1	<i>Technology and machining - Bernard RAUSIN</i>	B1	Q2	45	-	-	<b>3</b>
HULG9276-1	<i>Electrical engineering - Pierre GABRIEL</i>	B2	Q1	35	-	-	<b>3</b>
HULG9277-1	<i>Structures analysis - Clara HUVELLE</i>	B2	Q1	55	-	-	<b>5</b>
HULG9278-1	<i>Applied thermodynamics - Vincent KELNER</i>	B2	Q1	40	-	-	<b>4</b>
HULG9279-1	<i>Telecommunications - Frédéric SENNY</i>	B2	Q1	45	-	-	<b>3</b>

**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 (B0 : 60Cr)**

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: (B0 : 60Cr)

GEST0588-5	<i>Introduction to the analysis of organisations</i> - Wouter VLEUGELS	B0	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	B0	Q2	15	-	-	5
				30	-	-	
				15	-	-	
GEST1056-1	<i>Analytical accounting and management control</i> - Didier VAN CAILLIE	B0	Q2	40	20	-	5
GEST0832-4	<i>Financial Markets</i> - Georges HÜBNER	B0	Q2	40	15	-	5
ECON2259-1	<i>Microeconomics and industrial economy</i>	B0	Q1	40	15	-	5
GEST3014-2	<i>Principles of marketing</i> - Nadia STEILS	B0	Q1	50	-	-	5
FINA0001-1	<i>Financial statement analysis and financing an enterprise</i> - Wouter TORSIN	B0	Q2	45	-	-	5
GEST0193-1	<i>Business Simulation</i> - Anne BILS, Anne CHANTEUX, Wilfried NIESSEN - [30h Mon. WS]	B0	TA	-	-	[+]	2
ECON0212-3	<i>Econometrics</i> - Malka GUILLOT	B0	Q1	30	15	-	4
GRHO0001-4	<i>Strategic Human Resources Management</i> - Grégory JEMINE	B0	Q1	45	-	-	5
INFO9001-3	<i>Digital Transformation</i> (english language) - <i>Digital Strategy</i> - Nicolas NEYSEN - <i>Information Technology Management</i> - Ashwin ITTOO	B0	Q1				5
				22	-	-	
				22	-	-	
MQGE0001-6	<i>Operations Research</i> (english language) - Jérôme DE BOECK	B0	Q1	45	-	-	5
LOGI0010-1	<i>Supply Chain Management</i> (english language) - Yasemin ARDA	B0	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 (B0 : 60Cr)**

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: (B0 : 60Cr)

CHIM0092-2	<i>General chemistry</i> - Christine BERTRAND	B0	Q2	40	20	-	5
MATH2009-1	<i>Mathematics: Linear Algebra</i> - Célia PAQUAY	B0	Q2	35	13	-	4
MATH2008-1	<i>Mathematics: Analysis infinitesimal</i> - Valérie HENRY	B0	Q1	27	27	-	4
MATH0059-2	<i>Mathematics for business engineers</i> - Bernard FORTZ	B0	Q1	35	20	-	5
PHYS0956-3	<i>General Physics: part I</i> - Pierre DENEYE	B0	Q1	40	20	-	5
PHYS0122-3	<i>General Physics: part II</i> - Pierre DENEYE	B0	Q2	40	15	-	5
TECH0763-2	<i>Science and technology</i> - Robin CRUNENBERG, Sabine DANTHINE, Brigitte EVRARD, Angélique LÉONARD	B0	Q1	45	-	-	4
GEST1056-1	<i>Analytical accounting and management control</i> - Didier VAN CAILLIE	B0	Q2	40	20	-	5
INFO0076-1	<i>Computing in management engineering</i> - Michael SCHYNS	B0	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	B0	Q1				5
				22	-	-	
				22	-	-	

ECON0212-3	<i>Econometrics</i> - Malka GUILLOT	B0	Q1	30	15	-	4
MQGE0001-6	<i>Operations Research</i> (english language) - Jérôme DE BOECK	B0	Q1	45	-	-	5
LOGI0010-1	<i>Supply Chain Management</i> (english language) - Yasemin ARDA	B0	Q2	45	-	-	5
STAT1208-2	<i>Probability and statistical inference</i> - Cédric HEUCHENNE	B0	Q1	50	15	-	6
GEST0193-1	<i>Business Simulation</i> - Anne BILS, Anne CHANTEUX, Wilfried NIESSEN - [30h Mon. WS]	B0	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 (B0 : 60Cr)**

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: (B0 : 60Cr)

CHIM0092-2	<i>General chemistry</i> - Christine BERTRAND	B0	Q2	40	20	-	5
PHYS0956-3	<i>General Physics: part I</i> - Pierre DENEYE	B0	Q1	40	20	-	5
PHYS0122-3	<i>General Physics: part II</i> - Pierre DENEYE	B0	Q2	40	15	-	5
TECH0763-2	<i>Science and technology</i> - Robin CRUNENBERG, Sabine DANTHINE, Brigitte EVRARD, Angélique LÉONARD	B0	Q1	45	-	-	4
GEST1056-1	<i>Analytical accounting and management control</i> - Didier VAN CAILLIE	B0	Q2	40	20	-	5
INFO0076-1	<i>Computing in management engineering</i> - Michael SCHYNS	B0	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	B0	Q1	22	-	-	5
ECON0212-3	<i>Econometrics</i> - Malka GUILLOT	B0	Q1	30	15	-	4
GRHO0001-4	<i>Strategic Human Resources Management</i> - Grégory JEMINE	B0	Q1	45	-	-	5
MQGE0001-6	<i>Operations Research</i> (english language) - Jérôme DE BOECK	B0	Q1	45	-	-	5
LOGI0010-1	<i>Supply Chain Management</i> (english language) - Yasemin ARDA	B0	Q2	45	-	-	5
GEST0193-1	<i>Business Simulation</i> - Anne BILS, Anne CHANTEUX, Wilfried NIESSEN - [30h Mon. WS]	B0	TA	-	-	[+]	2
STAT1208-2	<i>Probability and statistical inference</i> - Cédric HEUCHENNE	B0	Q1	50	15	-	6
GEST0832-4	<i>Financial Markets</i> - Georges HÜBNER	B0	Q2	40	15	-	5