

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 & 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

INFO9003-1	<i>Advanced Topics in Digital Business</i> (english language) - Ashwin ITTOO	Q2	30	-	-	5
INFO0062-1	<i>Object-oriented programming</i> (english language) - Bernard BOIGELOT - [20h Proj.]	Q2	25	20	[+]	5
INFO0902-1	<i>Data structures and algorithms</i> - Pierre GEURTS - [40h Proj.]	Q2	26	20	[+]	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> Prerequisite : GEST7105-1 - Scientific Methods in Management	TA	-	-	-	25
GTFE0014-1	<i>Research-Thesis</i>	TA	-	-	-	16

Prerequisite :

GEST7105-1 - Scientific Methods in Management

GSTG0016-1	<i>Internship</i>	Q2	-	-	-	9
GTFE9005-1	<i>Intrapreneurial Thesis</i> (english language)	TA	-	-	-	16

Prerequisite :

GEST7105-1 - Scientific Methods in Management

GEST3759-1	<i>Strategic, Organizational and Information System Audits</i> (english language) - Olivier LISEIN - [200h AUTR]	TA	24	-	[+]	9
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Corequisite :

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.

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

Focus compulsory courses

INFO8006-1	<i>Introduction to artificial intelligence</i> (english language) - Gilles LOUPPE - [45h Proj.]	Q1	25	20	[+]	5
	Prerequisite : INFO902-1 - Structures des données et algorithmes					
INFO9017-1	<i>Database for management</i> (english language) - Siamak KHAYYATI	Q1	30	-	-	5

Focus optional courses

Choose one of the following courses :

INFO0010-4	<i>Introduction to computer networking</i> (english language) - [12h Labo., 40h	Q1	32	2	[+]	5
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Proj.]

GEST7064-1	<i>Digita Business Capstone Project</i> - Ashwin ITTOO, Michael SCHYNS	TA	15	15	-	5
	Prerequisite : INFO0062-1 - Object-oriented programming					

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				5
			15	-	-	
			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				5
			22	-	-	
			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) - <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
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