

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				5
			18	-	-	
			12	-	-	
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				5
			18	-	-	
			12	-	-	
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				5
			18	-	-	
			12	-	-	

Focus compulsory courses

FINA0052-1	<i>Financial Derivatives</i> (english language) - Patrick SCHWARZ	Q2	30	-	-	5
MQGE0007-1	<i>Financial Mathematics and Stochastic Calculus</i> (english language) - Elise VANDOMME	Q2	30	-	-	5
FINA0053-1	<i>Investments and Portfolio Management</i> (english language) - Georges HÜBNER, Patrick SCHWARZ	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> Prerequisite : GEST7105-1 - Scientific Methods in Management	TA	-	-	-	25
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GTFE0014-1	<i>Research-Thesis</i> Prerequisite : GEST7105-1 - Scientific Methods in Management	TA	-	-	-	16
GSTG0016-1	<i>Internship</i>	Q2	-	-	-	9
GTFE9005-1	<i>Intrapreneurial Thesis</i> (english language) Prerequisite : GEST7105-1 - Scientific Methods in Management	TA	-	-	-	16
GEST3759-1	<i>Strategic, Organizational and Information System Audits</i> (english language) - Olivier LISEIN - [200h AUTR] Corequisite : GEST3764-1 - Innovation Project Definition and Development (partim II) GEST3766-1 - Leadership in Project and Change Management GEST3767-1 - Consultant Roles and Responsibilities <i>Notice :</i> Courses GTFE9005-1 and GEST3759-1 are compulsory and only accessible to students enrolled in the focus in Intrapreneurship and Management of Innovation Projects.	TA	24	-	[+]	9

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> Prerequisite : LANG1933-1 - Allemand élémentaire 1	Q1	30	-	-	5
LANG7002-1	<i>Elementary Chinese 2</i> Prerequisite : 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> Prerequisite : 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> Prerequisite : 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) Prerequisite : LANG1936-1 - Néerlandais élémentaire 1	Q1	30	-	-	5
LANG1955-1	<i>French beginner level 2</i> - ISLV, Marielle MARÉCHAL Prerequisite : LANG1954-1 - French beginner level 1	Q1	30	-	-	5

Focus compulsory courses

FINA0064-1	<i>Financial Risk Modeling</i> (english language) - Julien HAMBUCKERS	Q1	30	-	-	5
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Focus optional courses

Choose two courses out of the following :

FINA0065-1	<i>Advanced Corporate Finance</i> (english language) - Marie LAMBERT Prerequisite : FINA0050-1 - Corporate Finance - Lectures and Seminars	Q1	30	-	-	5
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	FINA0052-1 - Financial Derivatives						
	FINA0053-1 - Investments and Portfolio Management						
FINA0063-1	<i>Advanced Statistical Methods in Finance</i> (english language) - Julien HAMBUCKERS	Q1	30	-	-		5
FINA0084-1	<i>Advanced Portfolio Management and Performance</i> (english language) - Georges HÜBNER	Q1	30	-	-		5
ELEC0018-1	<i>Energy markets and regulation</i> (english language) - Damien ERNST	Q1	39	13	-		5
FINA9013-1	<i>Strategic Financial Analysis</i> (english language) - Marie LAMBERT - [30h AUTR]	Q1	-	-	[+]		5

Notice : access on file

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>	Q2					5
	- <i>Droit public</i> - Christophe DEPREZ		15	-	-		
	- <i>Droit privé</i> - Arianne SALVÉ		30	-	-		
	- <i>Droit de l'entreprise</i> - Laurent STAS DE RICHELLE		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 STEELS	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)	Q1					5
	- <i>Digital Strategy</i> - Nicolas NEYSEN		22	-	-		
	- <i>Information Technology Management</i> - Ashwin ITTOO		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