

Block view of the study programme

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Block 1

Pre-requisite

Notice : Students admitted on the basis of an application for the *Science and Technology* focus may be requested, depending on their prior academic studies, to attend the following complementary courses:

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 on the basis of an application at the end of the *Digital Business* track of the *Supply Chain Management and Business Analytics* focus may be requested, depending on their prior academic studies, to attend the following complementary courses:

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

Compulsory courses

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

GEST3753-1 *Business Ethics and Corporate Social Responsibility* (english language) - Sybille MERTENS DE WILMARS, Virginie XHAUFLAIR Q1 30 - - 5

GEST3752-1 *Change Management* (english language) - Olivier LISEIN Q1 30 - - 5

FINA0050-1 *Corporate Finance - Lectures and Seminars* (english language) - Marie LAMBERT Q1 30 - - 5

INFO0934-8 *Information Technology Management* (english language) - Ashwin ITTOO Q2 30 - - 5

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

MARK0781-2 *Strategic Marketing Seminar* (english language) - AnneChristine CADIAT, Cécile DELCOURT, Laurence DESSART, Michael GHILISSEN Q1 30 - - 5

Optional courses

Select 1 language course out of the following :

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

Notice : access to basic-level language courses is subject to a number of requirements - see the HEC regulations

LANG1925-1 *German 4* - Marie MAWHIN Q2 30 - - 3

LANG1926-1 *Advanced German 4* - Laurent GIANOTTI Q2 30 - - 3

LANG1927-1 *Spanish 4* - Valérie COYETTE, Véronique PEIFFER Q2 30 - - 3

LANG1928-1 *Advanced Spanish 4* (spanish language) - Nicole GRUTMAN Q2 30 - - 3

LANG1929-1 *Italian 4* - Christine HANON Q2 30 - - 3

LANG1930-1 *Advanced Italian 4* - Christine HANON Q2 30 - - 3

LANG1931-1 *Dutch 4* - Nicole ENGELEN Q2 30 - - 3

LANG1932-1 *Advanced Dutch 4* - Lutgarde NACHTERGAELE Q2 30 - - 3

LANG1933-1 *Elementary German 1* - Marie MAWHIN Q2 30 - - 3

LANG1934-1 *Elementary Spanish 1* - Alexis ALVAREZ BARBOSA TA 30 - - 3

LANG1936-1 *Elementary Dutch 1* - Stéphane GHIJSEN, Catherine PEETERS TA 30 - - 3

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LANG1954-1	<i>French beginner level 1</i> - ISLV, Marielle MARÉCHAL	Q2	30	-	-	3
LANG6009-1	<i>Elementary Chinese 1</i> - Pengcheng HU	Q2	30	-	-	3
LANG6010-1	<i>Elementary Italian 1</i> - Christine HANON	Q2	30	-	-	3

Choose one of the following courses :

TECH0003-4	<i>Innovative technology projects</i> - Pierre DENEYE	Q2	30	-	-	4
ECON2275-1	<i>Economics of Innovation</i> (english language) - Lionel ARTIGE	Q2	30	-	-	4

Choose one of the following courses :

LANG1933-1	<i>Elementary German 1</i> - Marie MAWHIN	Q2	30	-	-	3
LANG1934-1	<i>Elementary Spanish 1</i> - Alexis ALVAREZ BARBOSA	TA	30	-	-	3
LANG1936-1	<i>Elementary Dutch 1</i> - Stéphane GHIJSEN, Catherine PEETERS	TA	30	-	-	3
LANG6009-1	<i>Elementary Chinese 1</i> - Pengcheng HU	Q2	30	-	-	3
LANG6010-1	<i>Elementary Italian 1</i> - Christine HANON	Q2	30	-	-	3

Notice : students can only have one elementary level 1 language class in their master's programme

GEST3754-1	<i>Entrepreneurship and Innovation</i> (english language) - Frédéric OOMS, Bernard SURLEMONT	Q1	18	-	-	3
GEST3029-1	<i>International Strategy</i> (english language) - Nathalie CRUTZEN, Anthony SANTINO	Q2	18	-	-	3
INFO0009-2	<i>Database (general organisation)</i> - Pierre WOLPER - Suppl : Samuel HIARD - [25h Proj.]	Q2	26	26	[+]	5

Choose one focus from the following :

Professional focus in Supply Chain Management and Business Analytics

LOGI0012-1	<i>Logistics and Transportation</i> (english language) - Sabine LIMBOURG	Q2	30	-	-	5
LOGI0013-1	<i>Operation Planning</i> (english language) - Yasemin ARDA	Q2	30	-	-	5

Choose one option from the following :

"Supply Chain Management and Business Analytics" option

MQGE0002-3	<i>Computational Optimization</i> (english language) - Yves CRAMA	Q2	30	-	-	5
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"Digital Business" option

INFO0062-1	<i>Object-oriented programming</i> (english language) - Bernard BOIGELOT - [20h Proj.]	Q2	25	20	[+]	5
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Corequisite :

INFO0946-1 - Introduction à la programmation

Professional focus in Financial Engineering

FINA0052-1	<i>Financial Derivatives</i> (english language) - Julien HAMBUECKERS	Q2	30	-	-	5
MQGE0007-1	<i>Financial Mathematics and Stochastic Calculus</i> (english language) - Louis ESCH	Q2	30	-	-	5
FINA0053-1	<i>Investments and Portfolio Management</i> (english language) - Georges HÜBNER	Q2	30	-	-	5

Professional focus in Performance Management and Control

FINA0011-2	<i>Audit</i> (english language) - Yves FRANCIS	Q2	30	-	-	5
FINA0061-1	<i>Business Modeling, Control and Planning</i> (english language) - Didier VAN CAILLIE	Q2	30	-	-	5

Choose one of the following courses :

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FINA0030-1	<i>Consolidation and IFRS</i> (english language) - Patrice SCHUMESCH	Q2	30	-	-	5
FINA0083-1	<i>International performance Management</i> (english language) - Didier VAN CAILLIE	Q2	30	-	-	5

Professional focus in Intrapreneurship and Management of Innovation Projects

Notice : Registration only with a file

GEST3755-1	<i>Innovation Project Definition and Development (partim I)</i> (english language) - Olivier LISEIN - [100h AUTR]	Q2	18	-	[+]	5
GEST3756-1	<i>Topics in Advanced Management</i> (english language) - Olivier LISEIN - [100h AUTR]	Q2	18	-	[+]	5

Choose one of the following courses :

GEST3757-1	<i>Strategy and Business Model Generation</i> (english language) - Didier VAN CAILLIE - [100h AUTR]	Q2	18	-	[+]	5
GEST3758-1	<i>Organizational Performance Assessment</i> (english language) - Didier VAN CAILLIE - [100h AUTR]	Q2	18	-	[+]	5

Professional focus in Sciences and technologies

Notice : Accessible on application file (see admission conditions)

Choose one option from the following :

"Science and technology" option

HULG9280-1	<i>Industrial chemistry</i> - Sophie PIRARD	Q2	35	-	-	3
HULG9282-1	<i>Logical systems</i> - Nathalie VETCOUR	Q2	50	-	-	4
HULG9281-1	<i>Graphic techniques</i> - Pierre ERNST, Etienne LEGRAND	Q2	55	-	-	5
HULG9283-1	<i>Technology and machining</i> - Bernard RAUSIN	Q2	45	-	-	3

"Management" option

FINA0001-1	<i>Financial statement analysis and financing an enterprise</i> - Jacques BERWART	Q2	45	-	-	5
MQGE0001-6	<i>Operations Research</i> (english language) - Yves CRAMA	Q1	45	-	-	5
LOGI0010-1	<i>Supply Chain Management</i> (english language) - Yasemin ARDA	Q2	45	-	-	5

Block 2

Compulsory courses

GPRO0002-1	<i>Skills workshops</i> - Louis ESCH, David HOMBURG	TA	-	-	-	5
GEST1076-1	<i>Strategy and Sustainability - Seminar</i> (english language) - Nathalie CRUTZEN, Marc DESCHAMPS	Q1	30	-	-	4
GTFE0014-1	<i>Final work</i> - COLLÉGIALITÉ	TA	-	-	-	20

[...] Choose one internship depending on the focus

GSTG0016-1	<i>Internship</i> - COLLÉGIALITÉ	Q2	-	-	-	10
GEST3759-1	<i>Strategic, Organizational and Information System Audits</i> (english language) - Olivier LISEIN - [200h AUTR]	TA	18	-	[+]	10

Corequisite :

GEST3767-1 - Consultant Roles and Responsibilities
 GEST3766-1 - Project and Change Management
 GEST3764-1 - Innovation Project Definition and Development (partim II)
 GEST3050-1 - Creativity and Design

GEST1114-1	<i>Transdisciplinary project</i> - AnneChristine CADIAT, Anne CHANTEUX, Charlotte MOREAU, Thierry PIRONET	TA	-	-	-	10
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Optional courses

Choose 1 language course from the following

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

LANG1938-1	<i>German 5</i> - Marie MAWHIN Prerequisite : LANG1925-1 - Allemand 4	Q1	30	-	-	3
LANG1939-1	<i>Advanced German 5</i> - Laurent GIANOTTI Prerequisite : LANG1926-1 - Allemand avancé 4	Q1	30	-	-	3
LANG1940-1	<i>Spanish 5</i> (spanish language) - Valérie COYETTE Prerequisite : LANG1927-1 - Espagnol 4	Q1	30	-	-	3
LANG1941-1	<i>Advanced Spanish 5</i> - Véronique PEIFFER Prerequisite : LANG1928-1 - Espagnol avancé 4	Q1	30	-	-	3
LANG1942-1	<i>Italian 5</i> - Christine HANON Prerequisite : LANG1929-1 - Italien 4	Q1	30	-	-	3
LANG1943-1	<i>Advanced Italian 5</i> - Christine HANON Prerequisite : LANG1930-1 - Italien avancé 4	Q1	30	-	-	3
LANG1944-1	<i>Dutch 5</i> (dutch language) - Nicole ENGELEN Prerequisite : LANG1931-1 - Néerlandais 4	Q1	30	-	-	3
LANG1950-1	<i>Advanced Dutch 5</i> - Lutgarde NACHTERGAELE Prerequisite : LANG1932-1 - Néerlandais avancé 4	Q1	30	-	-	3
LANG1945-1	<i>Elementary German 2</i> - Marie MAWHIN Prerequisite : LANG1933-1 - Allemand élémentaire 1	Q1	30	-	-	3
LANG1946-1	<i>Elementary Spanish 2</i> - Alexis ALVAREZ BARBOSA, Véronique PEIFFER Prerequisite : LANG1934-1 - Espagnol élémentaire 1	Q1	30	-	-	3
LANG1948-1	<i>Elementary Dutch 2</i> - Stéphane GHIJSEN, Fanny NOVAKOVIC Prerequisite : LANG1936-1 - Néerlandais élémentaire 1	Q1	30	-	-	3
LANG1955-1	<i>French beginner level 2</i> - ISLV, Marielle MARÉCHAL Prerequisite : LANG1954-1 - French beginner level 1	Q1	30	-	-	3

Choose one course from the following :

LANG1945-1	<i>Elementary German 2</i> - Marie MAWHIN Prerequisite : LANG1933-1 - Allemand élémentaire 1	Q1	30	-	-	3
LANG1946-1	<i>Elementary Spanish 2</i> - Alexis ALVAREZ BARBOSA, Véronique PEIFFER Prerequisite : LANG1934-1 - Espagnol élémentaire 1	Q1	30	-	-	3
LANG1948-1	<i>Elementary Dutch 2</i> - Stéphane GHIJSEN, Fanny NOVAKOVIC Prerequisite : LANG1936-1 - Néerlandais élémentaire 1	Q1	30	-	-	3
GEST3047-1	(pas organisé en 2018-2019) <i>Environmental Management</i> (english language)	Q1	30	-	-	3

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INFO0016-1	<i>Introduction to the theory of computation</i> (english language) - Pierre WOLPER Corequisite : INFO0946-1 - Introduction à la programmation	Q1	26	26	-	5
[...]	Optional course among those in the Master in Engineering Management degree					
GEST3050-1	<i>Creativity and Design</i> - Bernard SURLEMONT Corequisite : GEST3767-1 - Consultant Roles and Responsibilities GEST3766-1 - Project and Change Management GEST3764-1 - Innovation Project Definition and Development (partim II) GEST3759-1 - Strategic, Organizational and Information System Audits <i>Notice :</i> this course is compulsory and only open to students of the professional focus in Intrapreneurship and Management of Innovation Projects	Q2	18	50	-	3

Poursuivre le choix de finalité

Professional focus in Supply Chain Management and Business Analytics

Poursuite de l'option :

"Supply Chain Management and Business Analytics" option

LOGI0016-1	<i>Quality, Ethics and Sustainability in Supply Chain Management</i> (english language) - Maud BAY, Yves CRAMA, Virginie XHAUFLAIR	Q1	30	-	-	5
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Choose two courses out of the following :

LOGI0017-1	<i>Distribution Management</i> (english language) - Sabine LIMBOURG	Q1	30	-	-	5
GEST3032-1	<i>eBusiness and eCommerce</i> (english language) - Ashwin ITTOO Prerequisite : INFO0934-8 - Information Technology Management	Q1	30	-	-	5
LOGI0015-1	<i>ERP Solutions for Supply Chains</i> (english language) - Yasemin ARDA, Michael SCHYNS	Q1	30	-	-	5
INFO2049-1	<i>Web and Text Analytics</i> (english language) - Ashwin ITTOO Prerequisite : INFO2048-1 - Business Analytics	Q1	30	-	-	5

"Digital Business" option

INFO2050-1	<i>Advanced computer programming</i> - Pierre GEURTS - [40h Proj.] Prerequisite : INFO0062-1 - Object-oriented programming	Q1	25	20	[+]	5
INFO0012-2	<i>Computation structures</i> (english language) - Pierre WOLPER - [40h Proj.] Corequisite : INFO2050-1 - Programmation avancée	Q1	26	26	[+]	5

One course chosen from the following two:

INFO8006-1	<i>Introduction to artificial intelligence</i> (english language) - Gilles LOUPPE - [45h Proj.]	Q1	25	10	[+]	5
INFO0010-4	<i>Introduction to computer networking</i> (english language) - Part A - Guy LEDUC - [8h Labo., 40h Proj.] - Part B - Guy LEDUC - [4h Labo.] Prerequisite : INFO0062-1 - Object-oriented programming	Q2	30	2	[+]	5
			5	-	[+]	

Professional focus in Financial Engineering

FINA0060-1	<i>Empirical Methods in Financial Markets - Theory and Applications</i> (english language) - Cédric HEUCHENNE	Q1	30	-	-	5
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Choose two courses out of the following :

FINA0065-1	<i>Advanced Corporate Finance and Modeling</i> (english language) - Marie LAMBERT Prerequisite : FINA0053-1 - Investments and Portfolio Management FINA0052-1 - Financial Derivatives FINA0050-1 - Corporate Finance - Lectures and Seminars	Q1	30	-	-	5
FINA0063-1	<i>Financial Data Modeling and Analysis</i> (english language) - Laurent BODSON Prerequisite : FINA0053-1 - Investments and Portfolio Management FINA0052-1 - Financial Derivatives FINA0050-1 - Corporate Finance - Lectures and Seminars	Q1	30	-	-	5
FINA0064-1	<i>Financial Risk Modeling</i> (english language) - Fabien BONIVER, Marie LAMBERT Prerequisite : FINA0053-1 - Investments and Portfolio Management FINA0052-1 - Financial Derivatives MQGE0007-1 - Financial Mathematics and Stochastic Calculus	Q1	30	-	-	5
FINA0085-1	<i>Ethics, Regulation and Compliance in Finance</i> (english language) - Yves FRANCIS	Q1	30	-	-	5

Professional focus in Performance Management and Control

Choose three of the following courses :

FINA0057-1	<i>Advanced taxation</i> - Isabelle RICHELLE Prerequisite : FINA0008-2 - Resilience Engineering FINA0061-1 - Business Modeling, Control and Planning FINA0011-2 - Audit	Q1	30	-	-	5
GEST3782-1	<i>Introduction to family business entrepreneurship</i> - Nathalie CRUTZEN, Laurent WEERTS	Q1	30	-	-	5
FINA0008-2	<i>Resilience Engineering</i> (english language) - Marius KAMTO KENMOGNE	Q1	30	-	-	5
FINA0059-1	<i>Multinational Financial Management</i> (english language) - Julien HAMBUCKERS Prerequisite : FINA0008-2 - Resilience Engineering FINA0061-1 - Business Modeling, Control and Planning FINA0011-2 - Audit	Q1	30	-	-	5
FINA0086-1	<i>Depth diagnostics of business: Legal and financial aspects</i> - Danielle SOUGNÉ	Q1	30	-	-	5
FINA0042-1	<i>Consolidation</i> - Cédric ANTONELLI	Q2	30	-	-	5

Professional focus in Intrapreneurship and Management of Innovation Projects

Notice : Registration only with a file

GEST3767-1	<i>Consultant Roles and Responsibilities</i> (english language) - [80h AUTR] Corequisite : GEST3766-1 - Project and Change Management GEST3764-1 - Innovation Project Definition and Development (partim II) GEST3050-1 - Creativity and Design GEST3759-1 - Strategic, Organizational and Information System Audits	Q2	18	-	[+]	4
GEST3764-1	<i>Innovation Project Definition and Development (partim II)</i> (english language) - Olivier LISEIN - [100h AUTR] Prerequisite :	Q1	18	-	[+]	5

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GEST3755-1 - Innovation Project Definition and Development (partim I)

Corequisite :

GEST3767-1 - Consultant Roles and Responsibilities

GEST3766-1 - Project and Change Management

GEST3050-1 - Creativity and Design

GEST3759-1 - Strategic, Organizational and Information System Audits

GEST3766-1 *Project and Change Management* (english language) - Olivier LISEIN - Q2 18 - - [+] **6**
[100h AUTR]

Corequisite :

GEST3767-1 - Consultant Roles and Responsibilities

GEST3764-1 - Innovation Project Definition and Development (partim II)

GEST3050-1 - Creativity and Design

GEST3759-1 - Strategic, Organizational and Information System Audits

Professional focus in Sciences and technologies

Poursuite de l'option :

"Science and technology" option

HULG9277-1 *Structures analysis* - Clara HUVELLE Q1 55 - - **5**

HULG9276-1 *Electrical engineering* - Pierre GABRIEL Q1 35 - - **3**

HULG9279-1 *Telecommunications* - Frédéric SENNY Q1 45 - - **3**

HULG9278-1 *Applied thermodynamics* - Vincent KELNER Q1 40 - - **4**

"Management" option

DROI0174-2 *Business law* - Frédéric DAERDEN, Laurent STAS DE RICHELLE Q2 45 - - **4**

TECH2001-1 *Elements of biotechnology* - Birgit QUINTING 30 15 - **5**

GRHO0001-4 *Strategic Human Resources Management* - François PICHAULT Q1 45 - - **5**

GEST5008-1 *Project Management* (english language) - [24h AUTR] Q1 - - [+] **1**

Level 4 or elementary 1 list

Notice : access to basic-level language courses is subject to a number of requirements - see the HEC regulations

LANG1925-1 *German 4* - Marie MAWHIN Q2 30 - - **3**

LANG1926-1 *Advanced German 4* - Laurent GIANOTTI Q2 30 - - **3**

LANG1927-1 *Spanish 4* - Valérie COYETTE, Véronique PEIFFER Q2 30 - - **3**

LANG1928-1 *Advanced Spanish 4* (spanish language) - Nicole GRUTMAN Q2 30 - - **3**

LANG1929-1 *Italian 4* - Christine HANON Q2 30 - - **3**

LANG1930-1 *Advanced Italian 4* - Christine HANON Q2 30 - - **3**

LANG1931-1 *Dutch 4* - Nicole ENGELEN Q2 30 - - **3**

LANG1932-1 *Advanced Dutch 4* - Lutgarde NACHTERGAELE Q2 30 - - **3**

LANG1933-1 *Elementary German 1* - Marie MAWHIN Q2 30 - - **3**

LANG1934-1 *Elementary Spanish 1* - Alexis ALVAREZ BARBOSA TA 30 - - **3**

LANG1936-1 *Elementary Dutch 1* - Stéphane GHIJSEN, Catherine PEETERS TA 30 - - **3**

LANG1954-1 *French beginner level 1* - ISLV, Marielle MARÉCHAL Q2 30 - - **3**

LANG6009-1 *Elementary Chinese 1* - Pengcheng HU Q2 30 - - **3**

LANG6010-1 *Elementary Italian 1* - Christine HANON Q2 30 - - **3**

Level 5 or elementary 2 list

LANG1938-1 *German 5* - Marie MAWHIN Q1 30 - - **3**

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	Prerequisite : LANG1925-1 - Allemand 4					
LANG1939-1	<i>Advanced German 5</i> - Laurent GIANOTTI	Q1	30	-	-	3
	Prerequisite : LANG1926-1 - Allemand avancé 4					
LANG1940-1	<i>Spanish 5</i> (spanish language) - Valérie COYETTE	Q1	30	-	-	3
	Prerequisite : LANG1927-1 - Espagnol 4					
LANG1941-1	<i>Advanced Spanish 5</i> - Véronique PEIFFER	Q1	30	-	-	3
	Prerequisite : LANG1928-1 - Espagnol avancé 4					
LANG1942-1	<i>Italian 5</i> - Christine HANON	Q1	30	-	-	3
	Prerequisite : LANG1929-1 - Italien 4					
LANG1943-1	<i>Advanced Italian 5</i> - Christine HANON	Q1	30	-	-	3
	Prerequisite : LANG1930-1 - Italien avancé 4					
LANG1944-1	<i>Dutch 5</i> (dutch language) - Nicole ENGELEN	Q1	30	-	-	3
	Prerequisite : LANG1931-1 - Néerlandais 4					
LANG1950-1	<i>Advanced Dutch 5</i> - Lutgarde NACHTERGAELE	Q1	30	-	-	3
	Prerequisite : LANG1932-1 - Néerlandais avancé 4					
LANG1945-1	<i>Elementary German 2</i> - Marie MAWHIN	Q1	30	-	-	3
	Prerequisite : LANG1933-1 - Allemand élémentaire 1					
LANG1946-1	<i>Elementary Spanish 2</i> - Alexis ALVAREZ BARBOSA, Véronique PEIFFER	Q1	30	-	-	3
	Prerequisite : LANG1934-1 - Espagnol élémentaire 1					
LANG1948-1	<i>Elementary Dutch 2</i> - Stéphane GHIJSEN, Fanny NOVAKOVIC	Q1	30	-	-	3
	Prerequisite : LANG1936-1 - Néerlandais élémentaire 1					
LANG1955-1	<i>French beginner level 2</i> - ISLV, Marielle MARÉCHAL	Q1	30	-	-	3
	Prerequisite : LANG1954-1 - French beginner level 1					