

#### Block view of the study programme

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#### Block 1

##### Cours obligatoires de la finalité

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

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>Technical drawing and Computer Aided Design (CAD)</i> - Pierre ERNST	Q2	55	-	-	5
HULG9283-1	<i>Technology and machining</i> - Bernard RAUSIN	Q2	45	-	-	3

##### 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	<i>Integration activities in science and technology - part 1</i> - Pierre DENEYE - [8d Proj.]	TA	-	-	[+]	2
GEST5002-1	<i>Integration activities in science and technology - part 2</i> - 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	<i>Integration activities in digital business - part 1</i> - Michael SCHYNS - [8d Proj.]	TA	-	-	[+]	2
GEST5004-1	<i>Integration activities in digital business - part 2</i> - Michael SCHYNS - [8d Proj.]	TA	-	-	[+]	2

##### Cours obligatoires du tronc commun

INFO2048-1	<i>Business Analytics</i> (english language) - Michael SCHYNS	Q2	30	-	-	5
GEST7105-1	<i>Scientific Methods in Management</i> (english language)	TA	30	-	-	5

##### Cours au choix du tronc commun

Choose one of the following modules :

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

ERAS0017-1	<i>Erasmus HEC (MIG)</i> - N...	-	-	-	-	20
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##### Module 2

GEST7108-1	<i>Leadership</i> (english language) - Michaël PARMENTIER	Q1	30	-	-	5
GEST3029-1	<i>International Strategy</i> (english language) - Nathalie CRUTZEN, Nathalie CRUTZEN, Anthony SANTINO	Q1	30	-	-	5

Choose two courses out of the following :

GEST6003-1	<i>International Business Engineering Seminar</i> (english language) - Yasemin ARDA, Mustafa Celebi PINAR	Q1	30	-	-	5
MARK9302-1	<i>International Marketing Seminar</i> (english language) - Ioannis ASSIOURAS, Claire GRUSLIN	Q1	30	-	-	5
STAT0800-1	<i>Models and Methods in Applied Statistics</i> (english language) - Cédric HEUCHENNE	Q1	30	-	-	5
GEST3032-1	<i>e-Commerce Methods and Techniques</i> (english language) - Ashwin ITTOO	Q1	30	-	-	5
GEST3047-1	<i>Environmental Management</i> (english language) - Michaël TANS	Q1	30	-	-	5

Select 1 language course out of the following :

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

LANG1925-1	<i>German 4</i> (german language) - Marie MAWHIN	Q2	30	-	-	5
LANG1926-1	<i>Advanced German 4</i> (german language) - Laurent GIANOTTI	Q2	30	-	-	5
LANG1933-1	<i>Elementary German 1</i> - Marie MAWHIN	TA	30	-	-	5
LANG6009-1	<i>Elementary Chinese 1</i> (english language) - Rachel DELCOURT	Q2	30	-	-	5
LANG1927-1	<i>Spanish 4</i> (spanish language) - Alba BALLESTA MARTÍNEZ	Q2	30	-	-	5
LANG1928-1	<i>Advanced Spanish 4</i> (spanish language) - Alexis ALVAREZ BARBOSA	Q2	30	-	-	5
LANG1934-1	<i>Elementary Spanish 1</i> - Alexis ALVAREZ BARBOSA	TA	30	-	-	5
LANG1929-1	<i>(Advanced) Italian 4</i> (italian language) - Alex BARDASCINO	Q2	30	-	-	5
LANG6010-1	<i>Elementary Italian 1</i> - Alex BARDASCINO	Q2	30	-	-	5
LANG1932-1	<i>Dutch 4</i> (dutch language) - Wannes DUPONCHEEL, Nicole ENGELEN	Q2	30	-	-	5
LANG1936-1	<i>Elementary Dutch 1</i> - Fanny NSITA	Q2	30	-	-	5
LANG1954-1	<i>French beginner level 1</i> - ISLV, Marielle MARÉCHAL	Q2	30	-	-	5

Notice : the course LANG1954-1 is only open to non-French speaking foreign students

Choose one of the following courses :

INFO0934-8	<i>Information Technology Management</i> (english language) - Ashwin ITTOO	Q2	30	-	-	5
MQGE9006-1	(pas organisé en 2024-2025) <i>Forecasting and Microsimulation</i> (english language)		30	-	-	5
TECH0003-4	<i>Projets technologiques innovants</i> - Pierre DENEYE	Q2	30	-	-	5
FINA0050-1	<i>Corporate Finance - Lectures and Seminars</i> (english language) - Marie LAMBERT	Q2	30	-	-	5

Choisir 1 cours de sustainability parmi :

FINA9030-1	<i>Sustainable Finance</i> (english language) - <i>Ethics and Sustainability in Finance</i> - <i>Sustainable Business Models : a Serious Game</i> - Virginie XHAUFLAIR	Q2	30	-	-	5
TECH2002-1	<i>Life Cycle Management</i> (english language) - <i>Life Cycle Assessment &amp; Ecodesign</i> - <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>Metrics-Driven Reporting for Sustainable Practices</i> - <i>Sustainable Business Models : a Serious Game</i> - Virginie XHAUFLAIR	Q2	18	-	-	5

## Block 2

### Cours obligatoires de la finalité

HULG9277-1	<i>Structures analysis</i> - Clara HUVELLE	Q1	55	-	-	5
HULG9276-1	<i>Electrical engineering</i> - Pierre GABRIEL	Q1	35	-	-	3
HULG9279-1	<i>Telecommunications</i> - Frédéric SENNY	Q1	45	-	-	3
HULG9278-1	<i>Applied thermodynamics</i> - Vincent KELNER	Q1	40	-	-	4

### Cours obligatoires du tronc commun

GPRO0002-1	<i>Skills workshops</i> - David HOMBURG, Giseline RONDEAUX	TA	-	-	-	5
GEST3753-1	<i>Business Ethics and Corporate Social Responsibility</i> (english language) - Virginie XHAUFLAIR	Q1	24	-	-	4
GEST7004-1	<i>Master Thesis Methodology</i> (english language) - Frédéric DUFAYS	Q1	12	-	-	2

**Prerequisite :**

GEST6001-1 - Preparation for Master Thesis and Internship

**Cours au choix du tronc commun**

Choose courses for a total of 28 credits among:

GTFE8003-1	<i>Project-Thesis</i>	TA	-	-	-	<b>28</b>
	<b>Prerequisite :</b>					
	GEST6001-1 - Preparation for Master Thesis and Internship					
GTFE0014-1	<i>Research-Thesis</i>	TA	-	-	-	<b>18</b>
	<b>Prerequisite :</b>					
	GEST6001-1 - Preparation for Master Thesis and Internship					
GSTG0016-1	<i>Internship</i>	Q2	-	-	-	<b>10</b>
GTFE9005-1	<i>Intrapreneurial Thesis</i> (english language)	TA	-	-	-	<b>18</b>
	<b>Prerequisite :</b>					
	GEST6001-1 - Preparation for Master Thesis and Internship					
GEST3759-1	<i>Strategic, Organizational and Information System Audits</i> (english language) - Olivier LISEIN - [200h AUTR]	TA	24	-	[+]	<b>10</b>
	<b>Corequisite :</b>					
	GEST3050-1 - Creativity and stimulation of collective intelligence					
	GEST3764-1 - Innovation Project Definition and Development (partim II)					
	GEST3766-1 - Project and Change Management					
	GEST3767-1 - Consultant Roles and Responsibilities					

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

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) - Marie MAWHIN	Q1	30	-	-	<b>3</b>
LANG1939-1	<i>Advanced German 5</i> (german language) - Laurent GIANOTTI	Q1	30	-	-	<b>3</b>
LANG1945-1	<i>Elementary German 2</i> - Laurent GIANOTTI	Q1	30	-	-	<b>3</b>
LANG7002-1	<i>Elementary Chinese 2</i> (english language) - Rachel DELCOURT	Q1	30	-	-	<b>3</b>
	<b>Prerequisite :</b>					
	LANG6009-1 - Chinois élémentaire 1					
LANG1940-1	<i>Spanish 5</i> (spanish language) - Alba BALLESTA MARTÍNEZ	Q1	30	-	-	<b>3</b>
LANG1941-1	<i>Advanced Spanish 5</i> (spanish language) - Alba BALLESTA MARTÍNEZ	Q1	30	-	-	<b>3</b>
LANG1946-1	<i>Elementary Spanish 2</i> - Véronique PEIFFER	Q1	30	-	-	<b>3</b>
	<b>Prerequisite :</b>					
	LANG1934-1 - Espagnol élémentaire 1					
LANG1942-1	<i>(Advanced) Italian 5</i> (italian language) - Alex BARDASCINO	Q1	30	-	-	<b>3</b>
LANG7003-1	<i>Elementary Italian 2</i> - Alex BARDASCINO	Q1	30	-	-	<b>3</b>
	<b>Prerequisite :</b>					
	LANG6010-1 - Italien élémentaire 1					
LANG1950-1	<i>Dutch 5</i> (dutch language) - Wannes DUPONCHEEL, Nicole ENGELN	Q1	30	-	-	<b>3</b>
LANG1948-1	<i>Elementary Dutch 2</i> (dutch language)	Q1	30	-	-	<b>3</b>
	<b>Prerequisite :</b>					
	LANG1936-1 - Néerlandais élémentaire 1					
LANG1955-1	<i>French beginner level 2</i> - ISLV, Marielle MARÉCHAL	Q1	30	-	-	<b>3</b>
	<b>Prerequisite :</b>					
	LANG1954-1 - French beginner level 1					

Choose one of the following courses :

*Notice :* a student who has chosen an Elementary language 1 course in Block 1 must necessarily

continue the chosen language and take the corresponding Elementary language 2 course.

LANG1945-1	<i>Elementary German 2</i> - Laurent GIANOTTI <b>Prerequisite :</b> LANG1933-1 - Allemand élémentaire 1	Q1	30	-	-	<b>3</b>
LANG7002-1	<i>Elementary Chinese 2</i> (english language) - Rachel DELCOURT <b>Prerequisite :</b> LANG6009-1 - Chinois élémentaire 1	Q1	30	-	-	<b>3</b>
LANG1946-1	<i>Elementary Spanish 2</i> - Véronique PEIFFER <b>Prerequisite :</b> LANG1934-1 - Espagnol élémentaire 1	Q1	30	-	-	<b>3</b>
LANG7003-1	<i>Elementary Italian 2</i> - Alex BARDASCINO <b>Prerequisite :</b> LANG6010-1 - Italien élémentaire 1	Q1	30	-	-	<b>3</b>
LANG1948-1	<i>Elementary Dutch 2</i> (dutch language) <b>Prerequisite :</b> LANG1936-1 - Néerlandais élémentaire 1	Q1	30	-	-	<b>3</b>
FINA0083-1	<i>Organizational Business Model Design</i> (english language) - Didier VAN CAILLIE	Q1	18	-	-	<b>3</b>
GEST3782-1	<i>Introduction to family business entrepreneurship</i>	Q1	18	-	-	<b>3</b>
GEST1076-1	<i>Seminar on Sustainability and Smart Territories</i> (english language) - Nathalie CRUTZEN	Q1	18	-	-	<b>3</b>
GEST3032-1	<i>e-Commerce Methods and Techniques</i> (english language) - Ashwin ITTOO <b>Prerequisite :</b> INFO0934-8 - Information Technology Management	Q1	30	-	-	<b>5</b>
GEST3050-1	<i>Creativity and stimulation of collective intelligence</i> (english language) - Deniz BOGA, Michaël PARMENTIER <b>Corequisite :</b> GEST3759-1 - Strategic, Organizational and Information System Audits GEST3764-1 - Innovation Project Definition and Development (partim II) GEST3766-1 - Project and Change Management GEST3767-1 - Consultant Roles and Responsibilities	Q2	18	50	-	<b>3</b>

*Notice :* this course is compulsory and only open to students of the professional focus in Intrapreneurship and Management of Innovation Projects

[...] Optional course among those in the Master in Engineering Management degree