

## Cycle view of the study programme

		B1	Or	Th	Pr	Au	Cr
<b>Compulsory courses (B1 : 35Cr, B2 : 39Cr)</b>							
STAT0800-1	<i>Models and Methods in Applied Statistics</i> (english language) - Cédric HEUCHENNE	B1	Q1	30	-	-	5
MARK0781-2	<i>Strategic Marketing</i> (english language) - Zelal ATES, AnneChristine CADIAT, Cécile DELCOURT, Michael GHILISSEN, Jean TONDEUR	B1	Q1	30	-	-	5
FINA0050-1	<i>Corporate Finance - Lectures and Seminars</i> (english language) - Joachim HEUKMES, Marie LAMBERT	B1	Q1	30	-	-	5
GEST3752-1	<i>Change Management</i> (english language) - Olivier LISEIN	B1	Q1	30	-	-	5
GEST3753-1	<i>Business Ethics and Corporate Social Responsibility</i> (english language) - Sybille MERTENS DE WILMARS, Virginie XHAUFLAIR	B1	Q1	30	-	-	5
INFO2048-1	<i>Business Analytics</i> (english language) - Michael SCHYNS	B1	Q2	30	-	-	5
INFO0934-8	<i>Information Technology Management</i> (english language) - Ashwin ITTOO	B1	Q2	30	-	-	5
GEST1076-1	<i>Strategy and Sustainability - Seminar</i> (english language) - Nathalie CRUTZEN, Marc DESCHAMPS	B2	Q1	30	-	-	4
GTFE0014-1	<i>Final work</i> - COLLÉGIALITÉ	B2	TA	-	-	-	20
GPRO0002-1	<i>Portfolio of competence</i> - Louis ESCH, David HOMBURG	B2	TA	-	-	-	5
[...]	Choose one internship depending on the focus						
GSTG0016-1	<i>Placement</i> - COLLÉGIALITÉ	B2	Q2	-	-	-	10
GEST3759-1	<i>Strategic, Organizational and Information System Audits</i> (english language) - Olivier LISEIN - [200h AUTR] <b>Corequisite :</b> 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	B2	TA	18	-	[+]	10

*Notice* : compulsory placement for students whose focus is Intrapreneurship and Management of Innovation Projects

## Optional courses (B1 : 25Cr, B2 : 21Cr)

Choose two courses out of the following : (B1 : 3Cr, B2 : 3Cr)

[...] 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	<i>German 4</i> - Marie MAWHIN	B1	Q2	30	-	-	3
LANG1926-1	<i>Advanced German 4</i> - Sylvia DEROOSE	B1	Q2	30	-	-	3
LANG1927-1	<i>Spanish 4</i> - Véronique PEIFFER	B1	Q2	30	-	-	3
LANG1928-1	<i>Advanced Spanish 4</i> - Nicole GRUTMAN	B1	Q2	30	-	-	3
LANG1929-1	<i>Italian 4</i> - Christine HANON	B1	Q2	30	-	-	3
LANG1930-1	<i>Advanced Italian 4</i> - Christine HANON	B1	Q2	30	-	-	3
LANG1931-1	<i>Dutch 4</i> - Nicole ENGELEN, Baudoin YANS	B1	TA	30	-	-	3
LANG1932-1	<i>Advanced Dutch 4</i> - Lutgarde NACHTERGAELE	B1	Q2	30	-	-	3
LANG1933-1	<i>Elementary German 1</i> - Marie MAWHIN	B1	Q2	30	-	-	3
LANG1934-1	<i>Elementary Spanish 1</i> - Alexis ALVAREZ BARBOSA	B1	Q2	30	-	-	3

# Study programmes 2016-2017

## HEC Management School - University of Liège

### Master in business engineering (120 ECTS)

LANG1936-1	<i>Elementary Dutch 1</i> - Doris DE LAET	B1	TA	30	-	-	<b>3</b>
LANG1954-1	<i>French beginner level 1</i> - ISLV, Marielle MARÉCHAL	B1	Q2	30	-	-	<b>3</b>
[...]	One level 5 course or basic level 2						
LANG1938-1	<i>German 5</i> - Marie MAWHIN <b>Prerequisite :</b> LANG1925-1 - Allemand 4	B2	Q1	30	-	-	<b>3</b>
LANG1939-1	<i>Advanced German 5</i> - Sylvia DEROOSE <b>Prerequisite :</b> LANG1926-1 - Allemand avancé 4	B2	Q1	30	-	-	<b>3</b>
LANG1940-1	<i>Spanish 5</i> - Nicole GRUTMAN <b>Prerequisite :</b> LANG1927-1 - Espagnol 4	B2	Q1	30	-	-	<b>3</b>
LANG1941-1	<i>Advanced Spanish 5</i> - Véronique PEIFFER <b>Prerequisite :</b> LANG1928-1 - Espagnol avancé 4	B2	Q1	30	-	-	<b>3</b>
LANG1942-1	<i>Italian 5</i> - Christine HANON <b>Prerequisite :</b> LANG1929-1 - Italien 4	B2	Q1	30	-	-	<b>3</b>
LANG1943-1	<i>Advanced Italian 5</i> - Christine HANON <b>Prerequisite :</b> LANG1930-1 - Italien avancé 4	B2	Q1	30	-	-	<b>3</b>
LANG1944-1	<i>Dutch 5</i> - Nicole ENGELEN, Lutgarde NACHTERGAELE <b>Prerequisite :</b> LANG1931-1 - Néerlandais 4	B2	Q1	30	-	-	<b>3</b>
LANG1950-1	<i>Advanced Dutch 5</i> - Lutgarde NACHTERGAELE <b>Prerequisite :</b> LANG1932-1 - Néerlandais avancé 4	B2	Q1	30	-	-	<b>3</b>
LANG1945-1	<i>Elementary German 2</i> - Sylvia DEROOSE <b>Prerequisite :</b> LANG1933-1 - Allemand élémentaire 1	B2	Q1	30	-	-	<b>3</b>
LANG1946-1	<i>Elementary Spanish 2</i> - Alexis ALVAREZ BARBOSA, Véronique PEIFFER <b>Prerequisite :</b> LANG1934-1 - Espagnol élémentaire 1	B2	Q1	30	-	-	<b>3</b>
LANG1948-1	<i>Elementary Dutch 2</i> - Doris DE LAET <b>Prerequisite :</b> LANG1936-1 - Néerlandais élémentaire 1	B2	Q1	30	-	-	<b>3</b>
LANG1955-1	<i>French beginner level 2</i> - ISLV, Marielle MARÉCHAL <b>Prerequisite :</b> LANG1954-1 - French beginner level 1	B2	Q1	30	-	-	<b>3</b>

Choose one of the following courses : (B1 : 4Cr)

TECH0003-4	<i>Innovative technology projects</i> - Pierre DENEYE	B1	Q2	30	-	-	<b>4</b>
ECON2275-1	<i>Economics of Innovation</i> (english language) - Lionel ARTIGE	B1	Q2	30	-	-	<b>4</b>

Choose two courses out of the following : (B1 : 3Cr, B2 : 3Cr)

LANG1933-1	<i>Elementary German 1</i> - Marie MAWHIN	B1	Q2	30	-	-	<b>3</b>
LANG1934-1	<i>Elementary Spanish 1</i> - Alexis ALVAREZ BARBOSA	B1	Q2	30	-	-	<b>3</b>
LANG1936-1	<i>Elementary Dutch 1</i> - Doris DE LAET	B1	TA	30	-	-	<b>3</b>
LANG1945-1	<i>Elementary German 2</i> - Sylvia DEROOSE <b>Prerequisite :</b> LANG1933-1 - Allemand élémentaire 1	B2	Q1	30	-	-	<b>3</b>

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### Master in business engineering (120 ECTS)

LANG1946-1	<i>Elementary Spanish 2</i> - Alexis ALVAREZ BARBOSA, Véronique PEIFFER <b>Prerequisite :</b> LANG1934-1 - Espagnol élémentaire 1	B2	Q1	30	-	-	<b>3</b>
LANG1948-1	<i>Elementary Dutch 2</i> - Doris DE LAET <b>Prerequisite :</b> LANG1936-1 - Néerlandais élémentaire 1	B2	Q1	30	-	-	<b>3</b>
<i>Notice</i> : students can only have one elementary level 1 language class in their master's programme							
GEST3754-1	<i>Entrepreneurship and Innovation</i> (english language) - Benjamin HUYBRECHTS, Bernard SURLEMONT	B1	Q1	18	-	-	<b>3</b>
GEST3029-1	<i>International Strategy</i> (english language) - Nathalie CRUTZEN, Nicolas NEYSEN	B1	Q2	18	-	-	<b>3</b>
GEST3050-1	<i>Creativity and Design</i> - Bernard SURLEMONT <b>Corequisite :</b> 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	B2	Q2	18	50	-	<b>3</b>
<i>Notice</i> : this course is compulsory and only open to students of the professional focus in Intrapreneurship and Management of Innovation Projects							
GEST3047-1	<i>Environmental management (eco-management)</i> - Joseph SMITZ	B2	Q1	30	-	-	<b>3</b>
[...]	Optional course among those in the Master in Engineering Management degree						

#### Choose one focus from the following : (B1 : 15Cr, B2 : 15Cr)

##### Professional focus in Supply Chain Management and Business Analytics (B1 : 15Cr, B2 : 15Cr)

LOGI0012-1	<i>Logistics and Transportation</i> (english language) - Sabine LIMBOURG	B1	Q2	30	-	-	<b>5</b>
LOGI0013-1	<i>Operation Planning</i> (english language) - Yasemin ARDA	B1	Q2	30	-	-	<b>5</b>
MQGE0002-3	<i>Computational Optimization</i> (english language) - Yves CRAMA <b>Corequisite :</b> INFO0934-8 - Information Technology Management	B1	Q2	30	-	-	<b>5</b>
LOGI0016-1	<i>Quality, Ethics and Sustainability in Supply Chain Management</i> (english language) - Maud BAY, Yves CRAMA, Virginie XHAUFLAIR	B2	Q1	30	-	-	<b>5</b>

##### Choose two courses out of the following : (B2 : 10Cr)

LOGI0017-1	<i>Distribution Management</i> (english language) - Sabine LIMBOURG	B2	Q1	30	-	-	<b>5</b>
LOGI0015-1	<i>ERP Solutions for Supply Chains</i> (english language) - Yasemin ARDA, Michael SCHYNS	B2	Q1	30	-	-	<b>5</b>
INFO2049-1	<i>Web and Text Analytics</i> (english language) - Ashwin ITTOO <b>Prerequisite :</b> INFO2048-1 - Business Analytics	B2	Q1	30	-	-	<b>5</b>
GEST3032-1	<i>eBusiness and eCommerce</i> (english language) - Ashwin ITTOO <b>Prerequisite :</b> INFO0934-8 - Information Technology Management	B2	Q1	30	-	-	<b>5</b>

##### Professional focus in Financial Engineering (B1 : 15Cr, B2 : 15Cr)

MQGE0007-1	<i>Financial Mathematics and Stochastic Calculus</i> (english language) - Louis ESCH	B1	Q2	30	-	-	<b>5</b>
FINA0052-1	<i>Financial Derivatives</i> (english language) - Aline MULLER - Suppl : Tarik BAZGOUR	B1	Q2	30	-	-	<b>5</b>

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### Master in business engineering (120 ECTS)

FINA0053-1 *Investments and Portfolio Management (english language)* - Georges HÜBNER B1 Q2 30 - - 5

FINA0060-1 *Empirical Methods in Financial Markets - Theory and Applications (english language)* - Cédric HEUCHENNE B2 Q1 30 - - 5

Choose two courses out of the following : (B2 : 10Cr)

DROI8026-1 *Law and Taxation of Financial Institutions* - DenisEmmanuel PHILIPPE B2 Q1 24 - - 5

FINA0065-1 *Advanced Corporate Finance and Modeling (english language)* - Marie LAMBERT B2 Q1 30 - - 5

**Prerequisite :**

FINA0053-1 - Investments and Portfolio Management  
FINA0052-1 - Financial Derivatives  
FINA0050-1 - Corporate Finance - Lectures and Seminars

FINA0062-1 *Financial Economics (english language)* - Georges HÜBNER B2 Q1 30 - - 5

**Prerequisite :**

FINA0053-1 - Investments and Portfolio Management  
FINA0052-1 - Financial Derivatives  
MQGE0007-1 - Financial Mathematics and Stochastic Calculus  
FINA0050-1 - Corporate Finance - Lectures and Seminars

FINA0063-1 *Financial Data Modeling and Analysis (english language)* - Laurent BODSON B2 Q1 30 - - 5

**Prerequisite :**

FINA0053-1 - Investments and Portfolio Management  
FINA0052-1 - Financial Derivatives  
FINA0050-1 - Corporate Finance - Lectures and Seminars

FINA0064-1 *Financial Risk Modeling (english language)* - Fabien BONIVER, Marie LAMBERT B2 Q1 30 - - 5

**Prerequisite :**

FINA0053-1 - Investments and Portfolio Management  
FINA0052-1 - Financial Derivatives  
MQGE0007-1 - Financial Mathematics and Stochastic Calculus

**Professional focus in Performance Management and Control (B1 : 15Cr, B2 : 15Cr)**

FINA0011-2 *Audit (english language)* - Félix FANK B1 Q2 30 - - 5

FINA0061-1 *Business Modeling, Control and Planning (english language)* - Didier VAN CAILLIE B1 Q2 30 - - 5

FINA0008-2 *Organizational Risk and Performance Management (english language)* - Didier VAN CAILLIE B1 Q2 30 - - 5

Choose three of the following courses : (B2 : 15Cr)

FINA0030-1 *Consolidation and IFRS (english language)* - Patrice SCHUMESCH B2 Q1 30 - - 5

**Prerequisite :**

FINA0008-2 - Organizational Risk and Performance Management  
FINA0061-1 - Business Modeling, Control and Planning  
FINA0011-2 - Audit

FINA0059-1 *Multinational Financial Management (english language)* - Marie LAMBERT - Suppl : Aline MULLER B2 Q1 30 - - 5

**Prerequisite :**

FINA0008-2 - Organizational Risk and Performance Management  
FINA0061-1 - Business Modeling, Control and Planning  
FINA0011-2 - Audit

FINA0057-1 *Advanced taxation* - Isabelle RICHELLE B2 Q1 30 - - 5

**Prerequisite :**

FINA0008-2 - Organizational Risk and Performance Management

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	FINA0061-1 - Business Modeling, Control and Planning							
	FINA0011-2 - Audit							
FINA0083-1	<i>International performance Management</i> (english language) - Didier VAN CAILLIE	B2	Q1	30	-	-		<b>5</b>
	<b>Prerequisite :</b> FINA0008-2 - Organizational Risk and Performance Management FINA0061-1 - Business Modeling, Control and Planning FINA0011-2 - Audit							
GEST3782-1	<i>Introduction to familial entrepreneurship</i> - Nathalie CRUTZEN, Laurent WEERTS	B2	Q1	30	-	-		<b>5</b>

#### Professional focus in Intrapreneurship and Management of Innovation Projects (B1 : 15Cr, B2 : 15Cr)

Notice : Registration only with a file

GEST3755-1	<i>Innovation Project Definition and Development (partim I)</i> (english language) - Olivier LISEIN - [100h AUTR]	B1	Q2	18	-	[+]		<b>5</b>
GEST3756-1	<i>Topics in Advanced Management</i> (english language) - Olivier LISEIN - [100h AUTR]	B1	Q2	18	-	[+]		<b>5</b>
GEST3764-1	<i>Innovation Project Definition and Development (partim II)</i> (english language) - Olivier LISEIN - [100h AUTR]	B2	Q1	18	-	[+]		<b>5</b>
	<b>Prerequisite :</b> GEST3755-1 - Innovation Project Definition and Development (partim I)							
	<b>Corequisite :</b> 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	<i>Project and Change Management</i> (english language) - Olivier LISEIN - [100h AUTR]	B2	Q2	18	-	[+]		<b>6</b>
	<b>Corequisite :</b> 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							
GEST3767-1	<i>Consultant Roles and Responsibilities</i> (english language) - François PICHHAULT - [80h AUTR]	B2	Q2	18	-	[+]		<b>4</b>
	<b>Corequisite :</b> 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							

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

GEST3757-1	<i>Strategy and Business Model Generation</i> (english language) - Didier VAN CAILLIE - [100h AUTR]	B1	Q2	18	-	[+]		<b>5</b>
GEST3758-1	<i>Organizational Performance Assessment</i> (english language) - Didier VAN CAILLIE - [100h AUTR]	B1	Q2	18	-	[+]		<b>5</b>

#### Professional focus in Sciences and technologies (B1 : 15Cr, B2 : 15Cr)

Notice : Accessible on application file (see admission conditions)

HULG9280-1	<i>Industrial chemistry</i> - Sophie PIRARD	B1	Q2	35	-	-		<b>3</b>
HULG9282-1	<i>Logical systems</i> - Nathalie VECTEUR	B1	Q2	50	-	-		<b>4</b>
HULG9281-1	<i>Graphic techniques</i> - Pierre ERNST, Etienne LEGRAND	B1	Q2	55	-	-		<b>5</b>
HULG9283-1	<i>Technology and machining</i> - Bernard RAUSIN	B1	Q2	45	-	-		<b>3</b>
HULG9276-1	(pas organisé en 2016-2017) <i>Electrical engineering</i> - N...	B2	Q1	35	-	-		<b>3</b>

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HULG9277-1	(pas organisé en 2016-2017) <i>Structures analysis</i> - N...	B2	Q1	55	-	-	<b>5</b>
HULG9278-1	(pas organisé en 2016-2017) <i>Applied thermodynamics</i> - N...	B2	Q1	40	-	-	<b>4</b>
HULG9279-1	(pas organisé en 2016-2017) <i>Telecommunications</i> - N...	B2	Q1	45	-	-	<b>3</b>