## Cycle view of the study programme

| | | Bl | Or | Th | Pr | Au | Cr |
|---|---|---|---|---|---|---|---|
| **Pre-requisite (B1 : 4Cr)** | | | | | | | |
| | *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.] | B1 | TA | - | - | [+] | **2** |
| GEST5002-1 | *Integration activities in science and technology - part 2* - Pierre DENEYE - [8d Proj.] | B1 | 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.] | B1 | TA | - | - | [+] | **2** |
| GEST5004-1 | *Integration activities in digital business - part 2* - Michael SCHYNS - [8d Proj.] | B1 | TA | - | - | [+] | **2** |
| **Core curriculum compulsory courses (B1 : 10Cr, B2 : 15Cr)** | | | | | | | |
| INFO2048-1 | *Business Analytics* (english language) - Michael SCHYNS - Suppl : Sarah SAUFNAY | B1 | Q2 | 30 | - | - | **5** |
| GEST7105-1 | *Scientific Methods in Management* (english language)<br>*- Methods for Rigorous Research in Management and Economics* - Frédéric DUFAYS, Jérome SCHOENMAECKERS<br>*- Master Thesis and Internship : Regulations and Procedures* - Frédéric DUFAYS, Jérome SCHOENMAECKERS | B1 | TA<br>24<br>6 | <br>-<br>- | <br>-<br>- | | **5** |
| GPRO0002-1 | *Skills workshops* - David HOMBURG | B2 | TA | - | - | - | **5** |
| GEST3752-1 | *Change Management* (english language) - Olivier LISEIN | B2 | Q1 | 30 | 10 | - | **5** |
| GEST3754-1 | *Entrepreneurship and Innovation* (english language) - Frédéric DUFAYS, Frédéric OOMS | B2 | Q1 | 30 | - | - | **5** |
| **Common core courses (B1 : 35Cr, B2 : 30Cr)** | | | | | | | |
| **Choose one of the following modules : (B1 : 20Cr)** | | | | | | | |
| **Module 1 (aimed at internationally mobile students) (B1 : 20Cr)** | | | | | | | |
| ERAS0017-1 | *Erasmus HEC (MIG)* - N... | B1 | | - | - | - | **20** |
| **Module 2 (B1 : 20Cr)** | | | | | | | |
| GEST7108-1 | *Leadership* (english language) - Michaël PARMENTIER | B1 | Q1 | 30 | - | - | **5** |
| GEST3029-1 | *Strategy & Organisations* (english language) - Nathalie CRUTZEN, Anthony SANTINO | B1 | Q1 | 30 | - | - | **5** |
| Choose two courses out of the following : (B1 : 10Cr) | | | | | | | |
| GEST6003-1 | *International Business Engineering Seminar* (english language) - Yasemin ARDA, Mustafa Celebi PINAR | B1 | Q1 | 30 | - | - | **5** |
| MARK9302-1 | (pas organisé en 2026-2027) *International Marketing Seminar* (english language) | B1 | Q1 | 30 | - | - | **5** |
| STAT0800-1 | *Models and Methods in Applied Statistics* (english language) - Cédric HEUCHENNE | B1 | Q1 | 30 | - | - | **5** |
| GEST3032-1 | *e-Commerce Methods and Techniques* (english language) - Ashwin ITTOO | B1 | Q1 | 30 | - | - | **5** |
| GEST3047-1 | *Environmental Management* (english language) - Michaël TANS | B1 | Q1 | 30 | - | - | **5** |
| Choose courses totalling 25 ECTS from the following : (B2 : 25Cr) | | | | | | | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| GTFE8003-1 | *Project-Thesis*<br>**Prerequisite :**<br>GEST7105-1 - Scientific Methods in Management | B2 | TA | - | - | - | **25** |
| GTFE0014-1 | *Research-Thesis*<br>**Prerequisite :**<br>GEST7105-1 - Scientific Methods in Management | B2 | TA | - | - | - | **16** |
| GSTG0016-1 | *Internship* | B2 | Q2 | - | - | - | **9** |
| GTFE9005-1 | *Intrapreneurial Thesis* (english language)<br>**Prerequisite :**<br>GEST7105-1 - Scientific Methods in Management | B2 | TA | - | - | - | **16** |
| GEST3759-1 | *Strategic, Organizational and Information System Audits* (english language) - Olivier LISEIN - [200h AUTR]<br>**Corequisite :**<br>GEST3764-1 - Innovation Project Definition and Development (partim II)<br>GEST3766-1 - Leadership in Project and Change Management<br>GEST3767-1 - Consultant Roles and Responsibilities | B2 | TA | 24 | - | [+] | **9** |

*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.

Choose two courses out of the following : (B1 : 5Cr, B2 : 5Cr)

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

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| LANG1925-1 | *German 4* (german language) - Marie MAWHIN | B1 | Q2 | 30 | - | - | **5** |
| LANG1926-1 | *Advanced German 4* (german language) - David HOMBURG | B1 | Q2 | 30 | - | - | **5** |
| LANG1933-1 | *Elementary German 1* - Apolline DEMARCHE | B1 | TA | 30 | - | - | **5** |
| LANG6009-1 | *Elementary Chinese 1* - Rachel DELCOURT | B1 | Q2 | 30 | - | - | **5** |
| LANG1927-1 | *Spanish 4* (spanish language) - Raphaelle STILO | B1 | Q2 | 30 | - | - | **5** |
| LANG1928-1 | *Advanced Spanish 4* (spanish language) - Véronique PEIFFER | B1 | Q2 | 30 | - | - | **5** |
| LANG1934-1 | *Elementary Spanish 1* - Alexis ALVAREZ BARBOSA | B1 | TA | 30 | - | - | **5** |
| LANG1929-1 | *(Advanced) Italian 4* (italian language) - Alex BARDASCINO | B1 | Q2 | 30 | - | - | **5** |
| LANG6010-1 | *Elementary Italian 1* - Alex BARDASCINO | B1 | Q2 | 30 | - | - | **5** |
| LANG1932-1 | *Dutch 4* (dutch language) - Tania BOGAERT, Christina PIOT | B1 | Q2 | 30 | - | - | **5** |
| LANG1936-1 | *Elementary Dutch 1* - Helin YALCIN | B1 | Q2 | 30 | - | - | **5** |
| LANG1954-1 | *French beginner level 1* - ISLV, Marielle MARÉCHAL | B1 | Q2 | 30 | - | - | **5** |

*Notice* : the course LANG1954-1 is only accessible to non-French-speaking international students.

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

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| LANG1938-1 | *German 5* (german language) - Marie MAWHIN | B2 | Q1 | 30 | - | - | **5** |
| LANG1939-1 | *Advanced German 5* (german language) - David HOMBURG | B2 | Q1 | 30 | - | - | **5** |
| LANG1945-1 | *Elementary German 2* - Apolline DEMARCHE<br>**Prerequisite :**<br>LANG1933-1 - Allemand élémentaire 1 | B2 | Q1 | 30 | - | - | **5** |
| LANG7002-1 | *Elementary Chinese 2* - Rachel DELCOURT<br>**Prerequisite :**<br>LANG6009-1 - Chinois élémentaire 1 | B2 | Q1 | 30 | - | - | **5** |
| LANG1940-1 | *Spanish 5* (spanish language) - Alba BALLESTA MARTÍNEZ | B2 | Q1 | 30 | - | - | **5** |
| LANG1941-1 | *Advanced Spanish 5* (spanish language) - Alba BALLESTA MARTÍNEZ | B2 | Q1 | 30 | - | - | **5** |
| LANG1946-1 | *Elementary Spanish 2* - Véronique PEIFFER | B2 | Q1 | 30 | - | - | **5** |

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| | **Prerequisite :**<br>LANG1934-1 - Espagnol élémentaire 1 | | | | | | |
| LANG1942-1 | *(Advanced) Italian 5* (italian language) - Alex BARDASCINO | B2 | Q1 | 30 | - | - | **5** |
| LANG7003-1 | *Elementary Italian 2* - Alex BARDASCINO<br>**Prerequisite :**<br>LANG6010-1 - Italien élémentaire 1 | B2 | Q1 | 30 | - | - | **5** |
| LANG1950-1 | *Dutch 5* (dutch language) - Tania BOGAERT, Christina PIOT | B2 | Q1 | 30 | - | - | **5** |
| LANG1948-1 | *Elementary Dutch 2* (dutch language) - Helin YALCIN<br>**Prerequisite :**<br>LANG1936-1 - Néerlandais élémentaire 1 | B2 | Q1 | 30 | - | - | **5** |
| LANG1955-1 | *French beginner level 2* - ISLV, Marielle MARÉCHAL<br>**Prerequisite :**<br>LANG1954-1 - French beginner level 1 | B2 | Q1 | 30 | - | - | **5** |

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

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| MQGE9006-1 | *Forecasting and Microsimulation* (english language) - Morgane DUMONT | B1 | Q2 | 30 | - | - | **5** |
| TECH0003-4 | *Innovative technological projects* - Pierre DENEYE | B1 | Q2 | 30 | - | - | **5** |
| MQGE9008-1 | *Artificial Intelligence tools for Business Analytics* (english language) - Cédric HEUCHENNE | B1 | Q2 | 30 | - | - | **5** |
| FINA0050-1 | *Corporate Finance - Lectures and Seminars* (english language) - Marie LAMBERT | B1 | Q2 | 30 | - | - | **5** |

Choose 1 sustainability course from: (B1 : 5Cr)

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| FINA9030-1 | *Sustainable Finance* (english language)<br>- *Ethics and Sustainability in Finance* - Patrick SCHWARZ<br>- *Sustainable Business Models : a Serious Game* - Virginie XHAUFLAIR | B1 | Q2<br>18<br>12 | <br>-<br>- | <br>-<br>- | | **5** |
| TECH2002-1 | *Life Cycle Management* (english language)<br>- *Life Cycle Assessment & Ecodesign* - Andrea DI MARIA, Angélique LÉONARD<br>- *Sustainable Business Models : a Serious Game* - Virginie XHAUFLAIR | B1 | Q2<br>18<br><br>12 | <br>-<br><br>- | <br>-<br><br>- | | **5** |
| GEST7106-1 | *Reporting and Metrics for Sustainability* (english language)<br>- *Sustainability Reporting and Strategy* - Nathalie CRUTZEN<br>- *Sustainable Business Models : a Serious Game* - Virginie XHAUFLAIR | B1 | Q2<br>18<br>12 | <br>-<br>- | <br>-<br>- | | **5** |

**Focus compulsory courses (B1 : 15Cr, B2 : 10Cr)**

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| FINA0011-2 | *Audit* (english language) - Olivier LEMAIRE | B1 | Q2 | 30 | - | - | **5** |
| FINA0061-1 | *Business Modeling, Control and Planning* (english language) - Didier VAN CAILLIE | B1 | Q2 | 30 | - | - | **5** |
| GEST7109-1 | *Sustainable Management Control* (english language) - Nathalie CRUTZEN | B1 | Q2 | 30 | - | - | **5** |
| GEST3758-1 | *Performance Assessment* (english language) - Nathalie CRUTZEN<br>**Prerequisite :**<br>FINA0061-1 - Business Modeling, Control and Planning | B2 | Q1 | 30 | - | - | **5** |
| FINA9032-1 | *Risk Management and Internal Control* (english language) - Vincent COMPAGNIE | B2 | Q1 | 30 | - | - | **5** |

**Focus optional courses (B2 : 5Cr)**

Choose one of the following courses : (B2 : 5Cr)

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| FINA0028-5 | *International Finance* (english language) - Caterina SANTI - Suppl : | B2 | Q1 | 30 | - | - | **5** |

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|---|---|---|---|---|---|---|---|
| | Patrick SCHWARZ | | | | | | |
| ECON2310-1 | *Evidence-Based Policy Analysis* (english language) - Alejandra RAMOS | B2 | Q1 | 30 | 15 | - | **5** |

## 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 (B0 : 60Cr)**

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: (B0 : 60Cr)

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| GEST0588-5 | *Introduction to the analysis of organisations* - Wouter VLEUGELS | B0 | Q1 | 27 | - | - | **3** |
| DROI2001-1 | *The law in its relations with the economic world*<br>- *Droit public* - Christophe DEPREZ<br>- *Droit privé* - Arianne SALVÉ<br>- *Droit de l'entreprise* - Laurent STAS DE RICHELLE | B0 | Q2<br>15<br>30<br>15 | <br>-<br>-<br>- | <br>-<br>-<br>- | | **5** |
| GEST1056-1 | *Analytical accounting and management control* - Didier VAN CAILLIE | B0 | Q2 | 40 | 20 | - | **5** |
| GEST0832-4 | *Financial Markets* - Georges HÜBNER | B0 | Q2 | 40 | 15 | - | **5** |
| ECON2259-1 | *Microeconomics and industrial economy* - Jérome SCHOENMAECKERS | B0 | Q1 | 40 | 15 | - | **5** |
| GEST3014-2 | *Principles of marketing* - Nadia STEILS | B0 | Q1 | 50 | - | - | **5** |
| FINA0001-1 | *Financial statement analysis and financing an enterprise* - Wouter TORSIN | B0 | Q2 | 45 | - | - | **5** |
| GEST0193-1 | *Business Simulation* - Anne BILS, Anne CHANTEUX, Wilfried NIESSEN - [30h Mon. WS] | B0 | TA | - | - | [+] | **2** |
| ECON0212-3 | *Econometrics* - Natalia BERMÙDEZ | B0 | Q1 | 30 | 15 | - | **4** |
| GRHO0001-4 | *Strategic Human Resources Management* - Grégory JEMINE | B0 | Q1 | 45 | - | - | **5** |
| INFO9001-3 | *Digital Transformation* (english language)<br>- *Digital Strategy* - Nicolas NEYSEN<br>- *Information Technology Management* - Ashwin ITTOO | B0 | Q1<br>22<br>22 | <br>-<br>- | <br>-<br>- | | **5** |
| MQGE0001-6 | *Operations Research* (english language) - Jérôme DE BOECK | B0 | Q1 | 45 | - | - | **5** |
| LOGI0010-1 | *Supply Chain Management* (english language) - Yasemin ARDA | B0 | 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 (B0 : 60Cr)**

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: (B0 : 60Cr)

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| CHIM0092-2 | *General chemistry* - Christine BERTRAND | B0 | Q2 | 40 | 20 | - | **5** |
| MATH2009-1 | *Mathematics: Linear Algebra* - Célia PAQUAY | B0 | Q2 | 35 | 13 | - | **4** |
| MATH2008-1 | *Mathematics: Analysis infinitesimal* - Valérie HENRY | B0 | Q1 | 27 | 27 | - | **4** |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| MATH0059-2 | *Mathematics for business engineers* - Bernard FORTZ | B0 | Q1 | 35 | 20 | - | **5** |
| PHYS0956-3 | *General Physics: part I* - Pierre DENEYE | B0 | Q1 | 40 | 20 | - | **5** |
| PHYS0122-3 | *General Physics: part II* - Pierre DENEYE | B0 | Q2 | 40 | 15 | - | **5** |
| TECH0763-2 | *Science and technology* - Robin CRUNENBERG, Sabine DANTHINE, Brigitte EVRARD, Angélique LÉONARD | B0 | Q1 | 45 | - | - | **4** |
| GEST1056-1 | *Analytical accounting and management control* - Didier VAN CAILLIE | B0 | Q2 | 40 | 20 | - | **5** |
| INFO0076-1 | *Computing in management engineering* - Michael SCHYNS | B0 | Q2 | 40 | 15 | - | **5** |
| INFO9001-3 | *Digital Transformation* (english language)<br>- *Digital Strategy* - Nicolas NEYSEN<br>- *Information Technology Management* - Ashwin ITTOO | B0 | Q1<br>22<br>22 | -<br>- | -<br>- | | **5** |
| ECON0212-3 | *Econometrics* - Natalia BERMÙDEZ | B0 | Q1 | 30 | 15 | - | **4** |
| MQGE0001-6 | *Operations Research* (english language) - Jérôme DE BOECK | B0 | Q1 | 45 | - | - | **5** |
| LOGI0010-1 | *Supply Chain Management* (english language) - Yasemin ARDA | B0 | Q2 | 45 | - | - | **5** |
| STAT1208-2 | *Probability and statistical inference* - Cédric HEUCHENNE | B0 | Q1 | 50 | 15 | - | **6** |
| GEST0193-1 | *Business Simulation* - Anne BILS, Anne CHANTEUX, Wilfried NIESSEN - [30h Mon. WS] | B0 | 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 (B0 : 60Cr)

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: (B0 : 60Cr)

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| CHIM0092-2 | *General chemistry* - Christine BERTRAND | B0 | Q2 | 40 | 20 | - | **5** |
| PHYS0956-3 | *General Physics: part I* - Pierre DENEYE | B0 | Q1 | 40 | 20 | - | **5** |
| PHYS0122-3 | *General Physics: part II* - Pierre DENEYE | B0 | Q2 | 40 | 15 | - | **5** |
| TECH0763-2 | *Science and technology* - Robin CRUNENBERG, Sabine DANTHINE, Brigitte EVRARD, Angélique LÉONARD | B0 | Q1 | 45 | - | - | **4** |
| GEST1056-1 | *Analytical accounting and management control* - Didier VAN CAILLIE | B0 | Q2 | 40 | 20 | - | **5** |
| INFO0076-1 | *Computing in management engineering* - Michael SCHYNS | B0 | Q2 | 40 | 15 | - | **5** |
| INFO9001-3 | *Digital Transformation* (english language)<br>- *Digital Strategy* - Nicolas NEYSEN<br>- *Information Technology Management* - Ashwin ITTOO | B0 | Q1<br>22<br>22 | -<br>- | -<br>- | | **5** |
| ECON0212-3 | *Econometrics* - Natalia BERMÙDEZ | B0 | Q1 | 30 | 15 | - | **4** |
| GRHO0001-4 | *Strategic Human Resources Management* - Grégory JEMINE | B0 | Q1 | 45 | - | - | **5** |
| MQGE0001-6 | *Operations Research* (english language) - Jérôme DE BOECK | B0 | Q1 | 45 | - | - | **5** |
| LOGI0010-1 | *Supply Chain Management* (english language) - Yasemin ARDA | B0 | Q2 | 45 | - | - | **5** |
| GEST0193-1 | *Business Simulation* - Anne BILS, Anne CHANTEUX, Wilfried NIESSEN - [30h Mon. WS] | B0 | TA | - | - | [+] | **2** |
| STAT1208-2 | *Probability and statistical inference* - Cédric HEUCHENNE | B0 | Q1 | 50 | 15 | - | **6** |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| GEST0832-4 | *Financial Markets* - Georges HÜBNER | B0 | Q2 | 40 | 15 | - | **5** |