Master in Management Science

Programme mnemonic
MA-GEST
Focus Professional: M-GESTM

Studies level
Master 120 credits

Learning language
English

Schedule
Office hours

Studies category / subcategory
Economics and business management / Business management

Campus
Solbosch

Programme objectives
The Master in Management Science is a demanding programme that aims to train students in all core disciplines and areas relevant to business management. Its key distinguishing features are the size of its first year common core (advanced mandatory courses)—which provides students with a solid base of knowledge and skills—, its strong emphasis on analytical skills, and its multi-disciplinary nature (law, economics, management, communication, and languages)—which provides students with a breadth of tools and approaches to evolve in an increasingly complex and dynamic world. A bootcamp and a thematic pathway offer students an integrated learning experience in sustainability. A wide selection of electives in the second year allows students to pursue their intellectual interests in all disciplines of management or apply their skills in a supervised consulting project with partner companies.

Programme's added value
What the Solvay Brussels School has to offer:

- An international faculty with a staff of high-level researchers and accomplished practitioners, who work together to ensure that the training they provide is both relevant for business and policy practice and corresponds to the state of art.
- A tradition of rigorous and demanding curricula based on solid multidisciplinary and analytical training, promoting critical thinking and problem-solving skills.
- A diversity of teaching methods that are constantly revised to ensure teaching effectiveness.
- An innovative pedagogical approach aiming to provide students with an integrated learning experience centered around sustainability.
- A diverse and international student body (up to 80% in some Master programmes).
- A comprehensive educational offering covering economics and business from the bachelor to in-company training.
- Accreditation from EQUIS (European Foundation for Management Development) and AMBA (Association of Masters of Business Administration). AACSB (Association to Advance Collegiate Schools of Business) accreditation is underway.

Career services
SBS-EM offers its students a number of resources for career development:

- Credited work placements [http://www.solvay.edu/credited-internship-programme] (full-time, 3-month minimum – 6-month maximum) allow participating students to gain work experience, apply their academic training, and develop their professional network before graduation.
- Career services [http://www.solvay.edu/career-services] provide practical guidance and preparation for the job market (workshops, writing a CV and a cover letter, simulated interviews, LinkedIn profile management, etc.) and organise events (lectures and seminars) with prominent business figures, presenting companies and their employment opportunities. Over the years, the SBS-EM has developed a wide network of recruiters and alumni and has established contacts with companies throughout Belgium and around the world.
- From their graduation onwards, students benefit from a strong and active alumni network [http://www.solvay.edu/alumni] with 23,000 members in 100 countries.

Study-abroad programmes
The Master in Management Science offers several opportunities to study abroad:

- The international exchange programme [http://www.solvay.edu/outgoing-students], with more than 130 partner universities in 40 countries
- The Master with the QTEM network [http://www.solvay.edu/master-qtem]

Teaching methods

SBS-EM programmes emphasise the acquisition of both analytical and problem-solving skills. They combine conceptual courses—where students learn techniques and their theoretical underpinnings—with practical workshops and individual and team-based projects—where students can test their understanding of the theory and develop their ability to apply it creatively to real problems. Critical, creative, and independent thinking is required.

SBS-EM leverages its wide-ranging international exchange programmes to offer students training opportunities abroad during their studies. This Master also gives students the possibility to include a credited work placement in their curriculum.

Succeed in your studies

Choose
The information and guidance counsellors at the InfOR-études [https://www.ulb.be/en/studies-info-desk-1] service will help you choose your studies throughout the year.

Succeed

Get help
Apply for financial aid, look for accommodation or a student job, get support [https://www.ulb.be/fr/aides-services-et-accompagnement/aid-services-and-support-1] for your specific needs.

International/Openness

SBS-EM prepares its graduates for careers in multicultural and international environments. The curriculum includes language courses, which enable students to work in multilingual environments. Most courses cover the international dimensions of policy and management decision-making. Lastly, students can avail themselves of a rich offering of study-abroad programmes. These international experiences offer them an opportunity to enrich their curriculum and broaden their horizons, and are an essential element of professional life in a globalised world.

International Exchange Programme

Students may spend one semester abroad in one of our 130 partner universities. For more information, visit www.solvay.edu/outgoing-students. The QTEM networked master

The QTEM networked master

Qualified students in the Master in Management Science can enrol in the Quantitative Techniques for Economics and Management (QTEM) Master programme. The QTEM master gives participants enhanced training in quantitative and analytical skills and two international experiences (two exchange periods or one exchange period and one long-term work placement). The QTEM network currently includes 23 partners. For more information, visit www.qtem.org.

Job opportunities

The comprehensive and multivalent nature of this programme gives our graduates access to a wide range of careers, from consulting and audit to executive positions, including:

- Executive positions in any type of organisation (public, private, or NGOs) and sectors
- Management, strategy, and IT consulting
- Auditing or management control
- Entrepreneurship
- Commercial management

Notable alumni include:

- Bernard de Lauonit, Executive President, Chapelle Musicale Reine Elisabeth
- Olivier Legrain, Chief Executive Officer, IBA (Biotechnology)
- Natalia Vazilenko, Strategy and Operations Lead, Google Search and Assistant
- Daniel Weekers, Chief Executive Officer, Be TV
- Olivier Willocx, Chief Executive Officer, Chambre de Commerce et Union des Entreprises de Bruxelles (BECI)

Contacts

masters.solvay@ulb.be
+32 2 650 39 10
http://www.solvay.edu/bachelors-masters

Jury President
Evelyne VANPOUCKE

Jury Secretary
Judith BEHRENS
Master in Management Science
Focus Professional

Please find follow this link for more information on opportunities here below other possible options within this programme (international exchange programme, QTEM, credited internship).

### Bloc 1 | M-GESTM | MA-GEST

#### Core courses

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Coordinator(s)</th>
<th>Credits</th>
<th>Lecture Time</th>
<th>Tutorial Classes</th>
<th>Year</th>
<th>Language</th>
</tr>
</thead>
<tbody>
<tr>
<td>DROI-S400</td>
<td>Law for managers</td>
<td>Paul HERMANT (Coordinator)</td>
<td>5</td>
<td>24h</td>
<td></td>
<td>second</td>
<td>English</td>
</tr>
<tr>
<td>ECON-S462</td>
<td>Managerial Economics</td>
<td>Ruben Savelkoul (Coordinator) and Glenn MAGERMAN</td>
<td>5</td>
<td>24h, 12h</td>
<td></td>
<td>second</td>
<td>English</td>
</tr>
<tr>
<td>GEST-S4001</td>
<td>Research Methods in Management</td>
<td>Alba Jasini (Coordinator) and Pinar CELIK</td>
<td>5</td>
<td>24h, 12h</td>
<td></td>
<td>first</td>
<td>English</td>
</tr>
<tr>
<td>GEST-S409</td>
<td>Advanced accounting</td>
<td>Pierre-Hugues BONNEFOY CUDRAZ (Coordinator) and Jean-Paul LOOZEN</td>
<td>5</td>
<td>36h, 24h</td>
<td></td>
<td>first</td>
<td>English</td>
</tr>
<tr>
<td>GEST-S410</td>
<td>Advanced corporate finance</td>
<td>Kim OOSTERLINCK (Coordinator) and Benjamin LORENT</td>
<td>5</td>
<td>36h, 24h</td>
<td></td>
<td>first</td>
<td>English</td>
</tr>
<tr>
<td>GEST-S448</td>
<td>Organizational behaviour and leadership</td>
<td>Claudia TOMA (Coordinator) and Julie Terache</td>
<td>5</td>
<td>36h</td>
<td></td>
<td>first</td>
<td>English</td>
</tr>
<tr>
<td>GEST-S468</td>
<td>Strategy and strategic analysis</td>
<td>Manuel HENSMANS (Coordinator)</td>
<td>5</td>
<td>36h</td>
<td></td>
<td>first</td>
<td>English</td>
</tr>
<tr>
<td>GEST-S489</td>
<td>Advanced Marketing</td>
<td>Sandra ROTHENBERGER (Coordinator)</td>
<td>5</td>
<td>36h</td>
<td></td>
<td>first</td>
<td>English</td>
</tr>
<tr>
<td>STAT-S406</td>
<td>Data management and business analytics</td>
<td>Martine GEORGE (Coordinator)</td>
<td>5</td>
<td>36h, 24h</td>
<td></td>
<td>second</td>
<td>English</td>
</tr>
</tbody>
</table>

#### An alternative chosen from the three following

**Specialization - Module cross-border entrepreneurship and innovation**

#### 2 mandatory courses

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Coordinator(s)</th>
<th>Credits</th>
<th>Lecture Time</th>
<th>Tutorial Classes</th>
<th>Year</th>
<th>Language</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEST-S421 (optional)</td>
<td>Entrepreneurial ecosystems</td>
<td>Judith BEHRENS (Coordinator)</td>
<td>5</td>
<td>24h, 12h</td>
<td></td>
<td>second</td>
<td>English</td>
</tr>
<tr>
<td>GEST-S449 (optional)</td>
<td>Social innovation</td>
<td>Marek HUDON (Coordinator)</td>
<td>5</td>
<td>24h</td>
<td></td>
<td>second</td>
<td>English</td>
</tr>
</tbody>
</table>

#### 1 elective courses

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Coordinator(s)</th>
<th>Credits</th>
<th>Lecture Time</th>
<th>Tutorial Classes</th>
<th>Year</th>
<th>Language</th>
</tr>
</thead>
</table>
Specialization - Module Managing global businesses

2 mandatory courses

Two courses chosen from the following

GEST-S441 (optional) Global marketing | Virginie BRUNEAU (Coordinator)
- 5 credits [lecture: 24h]  second term  English

GEST-S472 (optional) International supply chains | Evelyne VANPOUCKE (Coordinator)
- 5 credits [lecture: 24h]  second term  English

1 elective course

One course chosen from the following

GEST-S440 (optional) Applied marketing analytics | Sandra ROTHENBERGER (Coordinator) and Philippe MAUCHARD
- 5 credits [lecture: 48h]  second term  English

GEST-S471 (optional) Management and sustainable development : constraints and opportunities | Eric MONAMI (Coordinator)
- 5 credits [lecture: 36h, seminars: 36h]  second term  English

GEST-S483 (optional) Digital and IT Governance | Georges ATAYA (Coordinator)
- 5 credits [lecture: 24h]  second term  English

GEST-S491 (optional) Omnichannel & customer relationship strategies | Virginie BRUNEAU (Coordinator)
- 5 credits [lecture: 24h]  second term  English

GEST-S494 (optional) Managing errors in organisations (Chaire InBev Baillet Latour) | Paul VERDIN (Coordinator)
- 5 credits [lecture: 48h]  second term  English

GEST-S508 (optional) Integrated communication - Communication intégrée : concepts et travaux pratiques | Philippe BILTIAU (Coordinator) and HUGUES REY
- 5 credits [lecture: 24h]  second term  English

GEST-S557 (optional) Regulation and Antitrust economics for businesses | Luis CORREIA DA SILVA (Coordinator)
- 5 credits [lecture: 24h]  second term  English

Specialization - Module Managing people and organizations

2 mandatory courses

Two courses chosen from the following

or
Managing diversity and multiculturality | Claudia TOMA (Coordinator) and Joelle Jablan
5 credits [lecture: 24h]  second term  English

International HR | Daniel MISEUR (Coordinator)
5 credits [lecture: 24h]  second term  English

1 elective course

Managing organizational innovation and change | Jean MATTIJS (Coordinator)
5 credits [lecture: 24h]  second term  English

Stakeholder management and governance | Vincent MABILLARD (Coordinator)
5 credits [lecture: 24h]  second term  English
Master in Management Science
Focus Professional

Bloc 2 | M-GESTM | MA-GEST

Cours obligatoires

MEMO-S505

Master-Thesis/Mémoire | Olivier WITMEUR (Coordinator)
20 credits [mfe/tfe: 360h] | first and second terms | English/French

Internship or Exchange programme

Chose one among the following possibilities

Contacts:
HULB-0000: Coordinatrice: Tamara Schuller
STAG-S500: Coordinatrice: Pascaline Flon

One course chosen from the following

HULB-0000 (optional)

Cours externe à l'Université
25 credits [academic year]

STAG-S500 (optional)

Credited internship with a critical mindset | Jean-Nicolas Lambert (Coordinator), Xavier CLABOTS, Brigitte Marchand and Claudio Truzzi
25 credits [work placement: 600h] | first term | English/French

Leadership skills

Core leadership skill

One course chosen from the following

GEST-S551 (optional)

Project management | FREDERIC HOFFMANN (Coordinator)
5 credits [seminars: 24h] | first term | English

GEST-S564 (optional)

Project management | FREDERIC HOFFMANN (Coordinator)
5 credits [seminars: 24h] | second term | English

1 elective leadership skill

Attention: les cours de Français langue étrangère (LANG-B906/B907/B908/B909) sont accessible uniquement sur dossier et suite à la réalisation d'un test.

One course chosen from the following

BIME-S5506 (optional)

Healthcare Innovation skills | Hilde STEVENS (Coordinator)
5 credits [lecture: 24h] | second term | English

This course is only accessible in combination with « BIME-G5505 Interfaculty and interdisciplinary program in Healthcare Innovation » - the skill can not be taken alone.
### Business Communication | Pinar CELIK (Coordinator)
- 5 credits [lecture: 12h, tutorial classes: 12h]
- second term
- English

60 étudiants maximum pour ce cours.

### Coaching skills | Timothy DENCH (Coordinator) and Koen Claeys
- 5 credits [lecture: 24h]
- second term
- English

Maximum 60 inscrits pour ce cours.

### Negotiation Skills | Claudia TOMA (Coordinator) and Avi Goldstein
- 5 credits [lecture: 24h, seminars: 12h]
- first term
- English

50 étudiants maximum pour ce cours.

### Strategic Management Control for Sustainability and Innovation | Philip VERGAUWEN (Coordinator)
- 5 credits [lecture: 24h]
- second term
- English

### Strategic Management Control for Sustainability and Innovation | Philip VERGAUWEN (Coordinator)
- 5 credits [lecture: 24h]
- second term
- English

### Français langue étrangère - Niveau moyen 1 | Nathalie DELCHAMBRE (Coordinator), Sabina GOLA, Eric Galiano and Nouël PARANTHOEN
- 5 credits [lecture: 60h]
- first term
- French

### Français langue étrangère - Niveau moyen 1 | Nathalie DELCHAMBRE (Coordinator), Sabina GOLA, Eric Galiano and Nouël PARANTHOEN
- 5 credits [lecture: 60h]
- second term
- French

### Français langue étrangère - Niveau moyen 2 | MURIELLE UYTERELST (Coordinator), Esther Falla, Sabina GOLA, Eric Galiano and Lidia Irène Morales Benito
- 5 credits [lecture: 60h]
- first term
- French

### Français langue étrangère - Niveau moyen 2 | MURIELLE UYTERELST (Coordinator) and Sabina GOLA
- 5 credits [lecture: 60h]
- second term
- French

### Français langue étrangère Niveau avancé 1 | Nathalie DELCHAMBRE (Coordinator) and Sabina GOLA
- 5 credits [lecture: 60h]
- first term
- French

### Français langue étrangère Niveau avancé 1 | Nathalie DELCHAMBRE (Coordinator) and Sabina GOLA
- 5 credits [lecture: 60h]
- second term
- French

### Français langue étrangère Niveau avancé 2 | MURIELLE UYTERELST (Coordinator), Esther Falla, Sabina GOLA, Eric Galiano and Lidia Irène Morales Benito
- 5 credits [lecture: 60h]
- first term
- French

### Français langue étrangère Niveau avancé 2 | MURIELLE UYTERELST (Coordinator) and Sabina GOLA
- 5 credits [lecture: 60h]
- second term
- French

### Allemand IV | Dorothea GASSENMEYER (Coordinator)
- 5 credits [lecture: 24h]
- second term
- German

### Néerlandais IV | Christelle JUSSIANT (Coordinator), Evie TOPS and Sofie VAN GEIJN
- 5 credits [language practice: 24h]
- first and second terms
- Dutch

### Arabe dialectal | Xavier LUFFIN (Coordinator) and Manhal MAKHOUL
- 5 credits [language practice: 24h]
- second term
- Arabic

An alternative chosen from the two following

### Practical experience

For those who are doing an exchange program: select a field project (allocation based on a selection process)

Select a field project

(Allocation based on a selection process)
One course chosen from the following

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Coordinator</th>
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<tbody>
<tr>
<td>BIME-G5505</td>
<td>Interfaculty and interdisciplinary program in Healthcare Innovation</td>
<td>Hilde STEVENS</td>
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<tr>
<td>GEST-S530</td>
<td>Field project: IT governance</td>
<td>Georges ATAYA</td>
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<tr>
<td>GEST-S546</td>
<td>Field project : HRM</td>
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<tr>
<td>GEST-S550</td>
<td>Field project</td>
<td>Jean MATTIJS, Georges ATAYA, Jorn Mannaerts, Jean-Jacques VIALA, MICHEL VLASSELAER and Olivier WITMEUR</td>
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<tr>
<td>GEST-S552</td>
<td>Field project : Public management</td>
<td>Jean MATTIJS and Jean-Jacques VIALA</td>
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<tr>
<td>GEST-S553</td>
<td>Field project : NGO and sustainable development</td>
<td>Christine DROOGMANS</td>
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<tr>
<td>GEST-S554</td>
<td>Field project : International strategy</td>
<td>MICHEL VLASSELAER</td>
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<tr>
<td>GEST-S555</td>
<td>Field project : management, strategy and entrepreneurship</td>
<td>Jean-Nicholas Lambert</td>
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<tr>
<td>GEST-S556</td>
<td>Field project : start up /scale up businesses</td>
<td>Olivier WITMEUR</td>
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</tbody>
</table>

Optional Courses

For those doing an internship or an exchange: select a course (5 ECTS) within the elective of all specialization track (Q2) (see below), a field project (Q1 and Q2 if there is a free spot) or another course among the university (necessity of the agreement of the director)

Elective course from Bloc 1

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Coordinator</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEST-S424</td>
<td>Entrepreneurial finance</td>
<td>Olivier WITMEUR and Nathalie DE CEULAER</td>
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<tr>
<td>GEST-S440</td>
<td>Applied marketing analytics</td>
<td>Sandra ROTHENBERGER and Philippe MAUCHARD</td>
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<td></td>
<td></td>
<td></td>
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<tr>
<td>GEST-S471</td>
<td>Management and sustainable development : constraints and opportunities</td>
<td>Eric MONAMI</td>
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<tr>
<td>GEST-S476</td>
<td>Managing organizational innovation and change</td>
<td>Jean MATTIJS</td>
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<tr>
<td>GEST-S483</td>
<td>Digital and IT Governance</td>
<td>Georges ATAYA</td>
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<tr>
<td>GEST-S484</td>
<td>Innovation strategy</td>
<td>Manuel HENSMANS</td>
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<tr>
<td>GEST-S491</td>
<td>Omnichannel &amp; customer relationship strategies</td>
<td>Virginie BRUNEAU</td>
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</tr>
</tbody>
</table>
GEST-S494 (optional)
Managing errors in organisations (Chaire InBev Baillet Latour) | Paul VERDIN (Coordinator)
5 credits [lecture: 48h]  second term  English

GEST-S507 (optional)
Stakeholder management and governance | Vincent MABILLARD (Coordinator)
5 credits [lecture: 24h]  second term  English

GEST-S508 (optional)
Integrated communication - Communication intégrée : concepts et travaux pratiques | Philippe BILTIAU (Coordinator) and HUGUES REY
5 credits [lecture: 24h]  second term  English

GEST-S565 (optional)
Business Planning | Judith BEHRENS (Coordinator)
5 credits [lecture: 12h, seminars: 12h]  second term  English

GEST-S567 (optional)
Regulation and Antitrust economics for businesses | Luis CORREIA DA SILVA (Coordinator)
5 credits [lecture: 24h]  second term  English

TEMP-0000 (optional)
Cours extérieurs au programme
5 credits  academic year  French

QTEM student specific course
GEST-S510 - Global Business analytics Challenge - 8 crédits - M. Michele Cincera et M. Antonio Pacifico