Master in Management Science

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 emphasize 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 globalized 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[http://www.solvay.edu/outgoing-students].

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 organization (public, private, or NGOs) and sectors
- Management, strategy, and IT consulting
- Auditing or management control
- Entrepreneurship
- Commercial management

Notable alumni include:

- Bernard de Launoit, 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>Course Code</th>
<th>Course Title</th>
<th>Coordinator(s)</th>
<th>Credits</th>
<th>Lecture Hours</th>
<th>Tutorial Hours</th>
<th>Term</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>24</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>24</td>
<td>12</td>
<td>second</td>
<td>English</td>
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<tr>
<td>GEST-S4001</td>
<td>Research Methods in Management</td>
<td>Alba Jasini (Coordinator) and Pinar CELIK</td>
<td>5</td>
<td>24</td>
<td>12</td>
<td>first</td>
<td>English</td>
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<tr>
<td>GEST-S409</td>
<td>Advanced accounting</td>
<td>Pierre-Hugues BONNEFOY CUDRAZ (Coordinator) and Jean-Paul LOOZEN</td>
<td>5</td>
<td>36</td>
<td>24</td>
<td>second</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>36</td>
<td>24</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>24</td>
<td>24</td>
<td>second</td>
<td>English</td>
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<tr>
<td>GEST-S468</td>
<td>Strategy and strategic analysis</td>
<td>Manuel HENSMANS (Coordinator)</td>
<td>5</td>
<td>36</td>
<td></td>
<td>first</td>
<td>English</td>
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<tr>
<td>GEST-S489</td>
<td>Advanced Marketing</td>
<td>Sandra ROTHENBERGER (Coordinator)</td>
<td>5</td>
<td>36</td>
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<td>English</td>
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<tr>
<td>STAT-S406</td>
<td>Data management and business analytics</td>
<td>Martine GEORGE (Coordinator)</td>
<td>5</td>
<td>36</td>
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<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>Course Code</th>
<th>Course Title</th>
<th>Coordinator(s)</th>
<th>Credits</th>
<th>Lecture Hours</th>
<th>Tutorial Hours</th>
<th>Term</th>
<th>Language</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEST-S421</td>
<td>Entrepreneurial ecosystems</td>
<td>Judith BEHRENS (Coordinator)</td>
<td>5</td>
<td>24</td>
<td>24</td>
<td>second</td>
<td>English</td>
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<tr>
<td>GEST-S449</td>
<td>Social innovation</td>
<td>Marek HUDON (Coordinator)</td>
<td>5</td>
<td>24</td>
<td></td>
<td>second</td>
<td>English</td>
</tr>
</tbody>
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#### 1 elective courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Coordinator(s)</th>
<th>Credits</th>
<th>Lecture Hours</th>
<th>Tutorial Hours</th>
<th>Term</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 | Éric 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-S567 (optional) Regulation and Antitrust economics for businesses | Luis CORREIA DA SILVA (Coordinator)  
  - 5 credits [lecture: 24h]  
  - second term  
  - English

or

Specialization - Module Managing people and organizations

2 mandatory courses

Two courses chosen from the following

- GEST-S484 (optional) Entrepreneurial finance | Olivier WITMEUR (Coordinator) and Nathalie DE CEULAER  
  - 5 credits [lecture: 36h, tutorial classes: 12h]  
  - second term  
  - English

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

or

- GEST-S471 (optional) Innovation strategy | Manuel HENSMANS (Coordinator)  
  - 5 credits [lecture: 36h]  
  - second term  
  - English

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

One course chosen from the following

GEST-S517 (optional)  Managing diversity and multiculturality | Claudia TOMA (Coordinator) and Joelle Jablan
  5 credits [lecture: 24h]  second term  English

GEST-S547 (optional)  International HR | Daniel MISEUR (Coordinator)
  5 credits [lecture: 24h]  second term  English

GEST-S476 (optional)  Managing organizational innovation and change | Jean MATTIJS (Coordinator)
  5 credits [lecture: 24h]  second term  English

GEST-S507 (optional)  Stakeholder management and governance | Vincent MABILLARD (Coordinator)
  5 credits [lecture: 24h]  second term  English
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.
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>Optional Courses</th>
<th></th>
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</thead>
<tbody>
<tr>
<td><strong>BIME-G5505</strong></td>
<td>Interfaculty and interdisciplinary program in Healthcare Innovation</td>
</tr>
<tr>
<td>5 credits [lecture: 40h, tutorial classes: 20h]</td>
<td>second term</td>
</tr>
<tr>
<td><strong>GEST-S530</strong></td>
<td>Field project: IT governance</td>
</tr>
<tr>
<td>5 credits [seminars: 12h]</td>
<td>academic year</td>
</tr>
<tr>
<td><strong>GEST-S546</strong></td>
<td>Field project: HRM</td>
</tr>
<tr>
<td>5 credits [seminars: 12h]</td>
<td>second term</td>
</tr>
<tr>
<td><strong>GEST-S550</strong></td>
<td>Field project:</td>
</tr>
<tr>
<td>5 credits [seminars: 12h]</td>
<td>first and second terms</td>
</tr>
<tr>
<td><strong>GEST-S552</strong></td>
<td>Field project: Public management</td>
</tr>
<tr>
<td>5 credits [seminars: 12h]</td>
<td>academic year</td>
</tr>
<tr>
<td><strong>GEST-S553</strong></td>
<td>Field project: NGO and sustainable development</td>
</tr>
<tr>
<td>5 credits [seminars: 12h]</td>
<td>academic year</td>
</tr>
<tr>
<td><strong>GEST-S554</strong></td>
<td>Field project: International strategy</td>
</tr>
<tr>
<td>5 credits [seminars: 12h]</td>
<td>first and second terms</td>
</tr>
<tr>
<td><strong>GEST-S555</strong></td>
<td>Field project: management, strategy and entrepreneurship</td>
</tr>
<tr>
<td>5 credits [seminars: 12h]</td>
<td>academic year</td>
</tr>
<tr>
<td><strong>GEST-S556</strong></td>
<td>Field project: start up / scale up businesses</td>
</tr>
<tr>
<td>5 credits [seminars: 12h]</td>
<td>academic year</td>
</tr>
</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>Optional Courses</th>
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</thead>
<tbody>
<tr>
<td><strong>GEST-S424</strong></td>
<td>Entrepreneurial finance</td>
</tr>
<tr>
<td>5 credits [lecture: 36h, tutorial classes: 12h]</td>
<td>second term</td>
</tr>
<tr>
<td><strong>GEST-S440</strong></td>
<td>Applied marketing analytics</td>
</tr>
<tr>
<td>5 credits [lecture: 48h]</td>
<td>second term</td>
</tr>
<tr>
<td><strong>GEST-S471</strong></td>
<td>Management and sustainable development: constraints and opportunities</td>
</tr>
<tr>
<td>5 credits [lecture: 36h, seminars: 36h]</td>
<td>second term</td>
</tr>
<tr>
<td><strong>GEST-S476</strong></td>
<td>Managing organizational innovation and change</td>
</tr>
<tr>
<td>5 credits [lecture: 24h]</td>
<td>second term</td>
</tr>
<tr>
<td><strong>GEST-S483</strong></td>
<td>Digital and IT Governance</td>
</tr>
<tr>
<td>5 credits [lecture: 24h]</td>
<td>second term</td>
</tr>
<tr>
<td><strong>GEST-S484</strong></td>
<td>Innovation strategy</td>
</tr>
<tr>
<td>5 credits [lecture: 36h]</td>
<td>second term</td>
</tr>
<tr>
<td><strong>GEST-S491</strong></td>
<td>Omnichannel &amp; customer relationship strategies</td>
</tr>
<tr>
<td>5 credits [lecture: 24h]</td>
<td>second term</td>
</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