Master in Management Science

This programme is taught in english.

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 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)

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 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.

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

Benefits of the training
What the Solvay Brussels School has to offer:

- A location at the heart of Europe, within a comprehensive research university: the Université libre de Bruxelles.
- 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.
- 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-
academic programmes 2019-2020

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.

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 [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.

Progression per curriculum unit

The concept of a year of studies gives way to a system of accumulation of credits based on the student’s individual programme. The cycle programme is offered in units of 60 credits. The units of 60 credits are proposed as an “ideal” course of study for students enrolled in this programme.

- Programme title: Master in Management Science
- Programme mnemonic: MA-GEST
- Studies level: Masters 120 credits
- Learning language:
- Schedule:
- Campus: Solbosch
Master in Management Science

Bloc 1
Spécialisée

Cours obligatoires

<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>
</tr>
</thead>
<tbody>
<tr>
<td>DROI-S400</td>
<td>Law for Managers (Chaire Solvay Alumni)</td>
<td>Paul HERMANT (Coordinator)</td>
<td>5</td>
<td>24h</td>
<td></td>
</tr>
<tr>
<td>ECON-S462</td>
<td>Managerial Economics</td>
<td>Glenn MAGERMAN (Coordinator)</td>
<td>5</td>
<td>24h</td>
<td>12h</td>
</tr>
<tr>
<td>ECON-S463</td>
<td>Econometrics for management</td>
<td>Paula Eugenia GOBBI (Coordinator)</td>
<td>5</td>
<td>24h</td>
<td>12h</td>
</tr>
<tr>
<td>GEST-S4000</td>
<td>Operations Management</td>
<td>Evelyne VANPOUCKE (Coordinator)</td>
<td>5</td>
<td>24h</td>
<td>12h</td>
</tr>
<tr>
<td>GEST-S4001</td>
<td>Research Methods in Management</td>
<td>Pinar CELIK (Coordinator)</td>
<td>5</td>
<td>24h</td>
<td>12h</td>
</tr>
<tr>
<td>GEST-S4002</td>
<td>Business Communication</td>
<td>Pinar CELIK (Coordinator) and Marjorie CASTERMANS</td>
<td>5</td>
<td>12h</td>
<td>12h</td>
</tr>
<tr>
<td>GEST-S409</td>
<td>Advanced accounting</td>
<td>Jean-Paul LOOZEN (Coordinator) and Pierre-Hugues BONNEFOY</td>
<td>5</td>
<td>36h</td>
<td>24h</td>
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<tr>
<td>GEST-S410</td>
<td>Advanced corporate finance</td>
<td>Kim OOSTERLINCK (Coordinator)</td>
<td>5</td>
<td>24h</td>
<td>12h</td>
</tr>
<tr>
<td>GEST-S448</td>
<td>Organizational behaviour and leadership</td>
<td>Claudia TOMA (Coordinator)</td>
<td>5</td>
<td>24h</td>
<td>24h</td>
</tr>
<tr>
<td>GEST-S449</td>
<td>Advanced Marketing</td>
<td>Sandra ROTHENBERGER (Coordinator)</td>
<td>5</td>
<td>36h</td>
<td></td>
</tr>
<tr>
<td>STAT-S406</td>
<td>Data management and business analytics</td>
<td>Martine GEORGE (Coordinator)</td>
<td>5</td>
<td>36h</td>
<td>24h</td>
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</table>

Langues

Un cours obligatoire

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Coordinator(s)</th>
</tr>
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<tbody>
<tr>
<td>LANG-S407</td>
<td>Néerlandais III</td>
<td>Gerda SONCK</td>
</tr>
</tbody>
</table>

5 credits [language practice: 36h, personal assignments: 60h]
### Master in Management Science

#### Block 2
Specialisée

**Cours obligatoires**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Instructor(s)</th>
<th>Language</th>
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</thead>
<tbody>
<tr>
<td>MEMO-S503</td>
<td>Master thesis</td>
<td>15</td>
<td></td>
<td>English</td>
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**Core management courses**

A total of 15 credits chosen from the following

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Instructor(s)</th>
<th>Language</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEST-S414</td>
<td>Banking and asset management</td>
<td>5</td>
<td>Mathias SCHMIT (Coordinator) and Griselda DEELSTRA</td>
<td>English</td>
</tr>
<tr>
<td>GEST-S468</td>
<td>Strategy and strategic analysis</td>
<td>5</td>
<td>Manuel HENSMANS (Coordinator)</td>
<td>English</td>
</tr>
<tr>
<td>GEST-S498</td>
<td>Negotiation Skills</td>
<td>5</td>
<td>Claudia TOMA (Coordinator)</td>
<td>English</td>
</tr>
<tr>
<td>GEST-S551</td>
<td>Project management</td>
<td>5</td>
<td>FREDERIC HOFFMANN (Coordinator)</td>
<td>English</td>
</tr>
<tr>
<td>GEST-S564</td>
<td>Project management</td>
<td>5</td>
<td>FREDERIC HOFFMANN (Coordinator)</td>
<td>English</td>
</tr>
<tr>
<td>GEST-S565</td>
<td>Business Planning</td>
<td>5</td>
<td>Judith BEHRENS (Coordinator)</td>
<td>English</td>
</tr>
<tr>
<td>GEST-S567</td>
<td>Regulation and Antitrust economics for businesses</td>
<td>5</td>
<td></td>
<td>English</td>
</tr>
<tr>
<td>GEST-S572</td>
<td>Banking and asset management</td>
<td>5</td>
<td>Griselda DEELSTRA (Coordinator)</td>
<td>English</td>
</tr>
</tbody>
</table>

**Two courses out of endowed chairs courses**

Two courses out of ten credits chosen from the following

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Instructor(s)</th>
<th>Language</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEST-S424</td>
<td>Entrepreneurial finance</td>
<td>5</td>
<td>Olivier WITMEUR (Coordinator) and Omar MOHOUT</td>
<td>English</td>
</tr>
<tr>
<td>GEST-S428</td>
<td>Corporate governance (Chaire Léo Goldschmidt)</td>
<td>5</td>
<td>Marco BECHT (Coordinator)</td>
<td>English</td>
</tr>
<tr>
<td>GEST-S494</td>
<td>Managing errors in organisations (Chaire InBev Baillet Latour)</td>
<td>5</td>
<td>Paul VERDIN (Coordinator)</td>
<td>English</td>
</tr>
<tr>
<td>GEST-S537</td>
<td>Corporate social responsibility (Chaire Mindful Leadership and CSR)</td>
<td>5</td>
<td>Kevin JACKSON (Coordinator)</td>
<td>English</td>
</tr>
</tbody>
</table>
Optional courses

A total of 20 credits chosen from the following

- **ECON-S528**  Financial markets, governance and regulation  
  5 credits [lecture: 24h]  
  English

- **GEST-S421**  Introduction to entrepreneurship  
  5 credits [lecture: 24h, tutorial classes: 24h]  
  English

- **GEST-S438**  Public and not for profit organizations management  
  5 credits [lecture: 24h]  
  English

- **GEST-S440**  Marketing Analytics  
  5 credits [lecture: 48h]  
  English

- **GEST-S449**  Managing social entreprises  
  5 credits [lecture: 24h]  
  English

- **GEST-S467**  International business strategy  
  5 credits [lecture: 24h]  
  English

- **GEST-S471**  Management and sustainable development : constraints and opportunities  
  5 credits [lecture: 36h]  
  English

- **GEST-S472**  International supply chains  
  5 credits [lecture: 24h]  
  English

- **GEST-S476**  Change management in public and nonprofit organizations  
  5 credits [lecture: 24h]  
  English

- **GEST-S482**  Operations and digital business  
  5 credits [lecture: 48h, tutorial classes: 12h]  
  English

- **GEST-S483**  Digital and IT Governance  
  5 credits [lecture: 24h]  
  English

- **GEST-S517**  Managing diversity and multiculturality  
  5 credits [lecture: 24h]  
  English

Field project

- **GEST-S530**  Field project: IT governance  
  10 credits [seminars: 12h]  
  English

- **GEST-S552**  Field project : Public management  
  10 credits [seminars: 12h]  
  English

- **GEST-S553**  Field project : NGO and sustainable development  
  10 credits [seminars: 12h]  
  English

- **GEST-S555**  Field project : Strategy, management and entrepreneurship  
  10 credits [seminars: 12h]  
  English