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 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:

- 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-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

ULB offers a number of activities and resources that can help you develop a successful strategy before or during your studies. You can make the transition to higher education easier by attending preparatory courses, summer classes, and information and orientation sessions, even before you start your studies at ULB.

During your studies, many people at ULB are there specifically to help you succeed: support staff in each faculty, (inter-)faculty guidance counsellors, tutors, and experts in academic methodology.

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

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 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.ac.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**

**Cours obligatoires**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Coordinator(s)</th>
<th>Type</th>
<th>Credits</th>
<th>Term(s)</th>
<th>Language</th>
</tr>
</thead>
<tbody>
<tr>
<td>DROI-S400</td>
<td>Law for managers</td>
<td>Paul HERMANT (Coordinator)</td>
<td></td>
<td>5 credits</td>
<td>second term</td>
<td>English</td>
</tr>
<tr>
<td>ECON-S462</td>
<td>Managerial Economics</td>
<td>Glenn MAGERMAN (Coordinator) and Valerio Serse</td>
<td></td>
<td>5 credits</td>
<td>second term</td>
<td>English</td>
</tr>
<tr>
<td>GEST-S4001</td>
<td>Research Methods in Management</td>
<td>Pinar CELIK (Coordinator)</td>
<td></td>
<td>5 credits</td>
<td>first term</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></td>
<td>5 credits</td>
<td>first term</td>
<td>English</td>
</tr>
<tr>
<td>GEST-S410</td>
<td>Advanced corporate finance</td>
<td>Kim OOSTERLINCK (Coordinator) and Benjamin LORENT</td>
<td></td>
<td>5 credits</td>
<td>first term</td>
<td>English</td>
</tr>
<tr>
<td>GEST-S448</td>
<td>Organizational behaviour and leadership</td>
<td>Claudia TOMA (Coordinator)</td>
<td></td>
<td>5 credits</td>
<td>first term</td>
<td>English</td>
</tr>
<tr>
<td>GEST-S468</td>
<td>Strategy and strategic analysis</td>
<td>Manuel HENSMANS (Coordinator)</td>
<td></td>
<td>5 credits</td>
<td>first term</td>
<td>English</td>
</tr>
<tr>
<td>GEST-S489</td>
<td>Advanced Marketing</td>
<td>Sandra ROTHENBERGER (Coordinator)</td>
<td></td>
<td>5 credits</td>
<td>first term</td>
<td>English</td>
</tr>
<tr>
<td>STAT-S406</td>
<td>Data management and business analytics</td>
<td>Martine GEORGE (Coordinator)</td>
<td></td>
<td>5 credits</td>
<td>second term</td>
<td>English</td>
</tr>
</tbody>
</table>

An alternative chosen from the three following

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

2 mandatory courses

Two courses chosen from the following

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Coordinator(s)</th>
<th>Type</th>
<th>Credits</th>
<th>Term(s)</th>
<th>Language</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEST-S421</td>
<td>entrepreneurial ecosystems</td>
<td>Judith BEHRENS (Coordinator)</td>
<td></td>
<td>5 credits</td>
<td>second term</td>
<td>English</td>
</tr>
<tr>
<td>GEST-S449</td>
<td>Social innovation</td>
<td>Marek HUDON (Coordinator)</td>
<td></td>
<td>5 credits</td>
<td>second term</td>
<td>English</td>
</tr>
</tbody>
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1 elective courses

One course chosen from the following
GEST-S424  Entrepreneurial finance  |  Olivier WITMEUR (Coordinator)
- 5 credits [lecture: 36h, tutorial classes: 12h]  second term  English

GEST-S484  Innovation strategy  |  Manuel HENSMANS (Coordinator)
- 5 credits [lecture: 36h]  second term  English

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

or

Specialization - Module Managing global businesses

2 mandatory courses

Two courses chosen from the following

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

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

1 elective course

One course chosen from the following

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

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

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

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

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

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

GEST-S567  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

...
1 elective course

One course chosen from the following

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

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

MEMO-S505 Master-Thesis/Mémoire
- 20 credits [mfe/tfe: 360h]
- first and second terms
- English/French

Internship or Exchange programme

Chose one among the following possibilities

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

One course chosen from the following

HULB-0000 Cours externe à l’Université
- 25 credits
- academic year

STAG-S5505 Internship in global context | Martine GEORGE (Coordinator), Laurent BOUTY and Guido BUSSENERS
- 25 credits [work placement: 600h]
- first term
- French

Leadership skills

Core leadership skill

One course chosen from the following

GEST-S551 Project management | FREDERIC HOFFMANN (Coordinator)
- 5 credits [seminars: 24h]
- first term
- English

GEST-S564 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

GEST-S4002 Business Communication | Pinar CELIK (Coordinator)
- 5 credits [lecture: 12h, tutorial classes: 12h]
- second term
- English
- 50 étudiants maximum pour ce cours.

GEST-S495 Coaching skills | Timothy DENCH (Coordinator)
- 5 credits [lecture: 24h]
- second term
- English
### Negotiation Skills  |  Claudia TOMA (Coordinator)
- 5 credits  [lecture: 24h, seminars: 12h]
- First term
- English

50 étudiants maximum pour ce cours.

### Français langue étrangère - Niveau moyen 1  |  Nathalie DELCHAMBRE (Coordinator)
- 5 credits  [lecture: 60h]
- First and second terms
- French

### Français langue étrangère - Niveau moyen 2  |  Dan VAN RAEMDONCK (Coordinator) and MURIELLE UYTERELST
- 5 credits  [lecture: 60h]
- First and second terms
- French

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

### Français langue étrangère Niveau avancé 2  |  Dan VAN RAEMDONCK (Coordinator) and MURIELLE UYTERELST
- 5 credits  [lecture: 60h]
- First and second terms
- French

### Allemand IV  |  Dorothea GASSENMeyer (Coordinator)
- 5 credits  [lecture: 24h]
- Academic year
- German

### Néerlandais III  |  Jessica VAN GINNEKEN (Coordinator) and Sofie VAN GEIJN
- 5 credits  [language practice: 24h]
- First and second terms
- Dutch

### Langue japonaise  |  Shizuka WATANABE
- 5 credits  [language practice: 36h]
- First and second terms
- Japanese

### Arabe dialectal  |  Xavier LUFFIN (Coordinator) and Lara Khaled
- 5 credits  [language practice: 24h]
- Second term
- Arabic

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### An alternative chosen from the two following

### Practical experience

For those who are not 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

**GEST-S523**  |  **Field project: Marketing**  |  Marianne CLAES (Coordinator)
- 5 credits  [seminars: 12h]
- Academic year
- English

**GEST-S530**  |  **Field project: IT governance**  |  Georges ATAYA (Coordinator)
- 5 credits  [seminars: 12h]
- Academic year
- English

**GEST-S546**  |  **Field project: HRM**
- 5 credits  [seminars: 12h]
- Second term
- French

**GEST-S550**  |  **Field project**  |  Jean MATTIJS (Coordinator), Georges ATAYA, Jorn Mannaerts, Jean-Jacques VIALA, MICHEL VLASSELAER and Olivier WITMEUR
- 5 credits  [seminars: 12h]
- First and second terms
- English

**GEST-S552**  |  **Field project: Public management**  |  Jean MATTIJS (Coordinator) and Jean-Jacques VIALA
- 5 credits  [seminars: 12h]
- Academic year
- English

**GEST-S553**  |  **Field project: NGO and sustainable development**  |  Christine DROOGMANS (Coordinator)
- 10 credits  [seminars: 12h]
- Academic year
- English

**GEST-S554**  |  **Field project: International strategy**  |  MICHEL VLASSELAER (Coordinator) and Jorn Mannaerts
- 5 credits  [seminars: 12h]
- First and second terms
- English

**GEST-S555**  |  **Field project: management, strategy and entrepreneurship**  |  Josephus VAN DER LINDEN (Coordinator) and Jean-Jacques VIALA
- 5 credits  [seminars: 12h]
- Academic year
- English
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**

*One course chosen from the following*

- **GEST-S424** Entrepreneurial finance | Olivier WITMEUR (Coordinator)
  - 5 credits [lecture: 36h, tutorial classes: 12h]  
  - second term  
  - English

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

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

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

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

- **GEST-S484** Innovation strategy | Manuel HENSMANS (Coordinator)
  - 5 credits [lecture: 36h]  
  - second term  
  - English

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

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

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

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

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

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

**QTEM student specific course**

- **GEST-S510** - Global Business analytics Challenge - 5 crédits