Overview of the pre- and corequisites of the Master in Business and Technology (120 ECTS-credits)

2020-2021

In case you combine your Bachelor program (or preparatory program), it is necessary to respect the pre- and corequisites mentioned between brackets.

For Module 2, please select 27 ECTS Electives: 3 ECTS-credits for Entrepreneurship; At least 6 ECTS-credits practice-oriented courses and Max. 18 ECTS-credits.

### Standard Trajectory 1st year (60 ECTS-credits compulsory)

<table>
<thead>
<tr>
<th>Naam OO</th>
<th>Sem</th>
<th>ECTS-credits</th>
<th>Prerequisite</th>
<th>Corequisite</th>
<th>Additional requisites</th>
</tr>
</thead>
<tbody>
<tr>
<td>Decision Analytics</td>
<td>1</td>
<td>6</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Project Management</td>
<td>1</td>
<td>6</td>
<td>(Micro-eco) (Management)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Financial reporting and auditing</td>
<td>1</td>
<td>6</td>
<td></td>
<td>(Bedrijfsfinanciering)</td>
<td></td>
</tr>
<tr>
<td>Advanced Technology*</td>
<td>2</td>
<td>6</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Advanced Marketing</td>
<td>1</td>
<td>6</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Information Systems Strategy and Management</td>
<td>2</td>
<td>6</td>
<td>(Micro-eco)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fundamentals of Data Science** (NEW course)</td>
<td>2</td>
<td>6</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>International Corporate Finance</td>
<td>1</td>
<td>6</td>
<td></td>
<td>(Financiële markten en instellingen)</td>
<td></td>
</tr>
<tr>
<td>Research Paper</td>
<td></td>
<td>6</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Electives - choose 1

- Technology and Applications of micro-electronics and photonics: 2 6
- Biotechnology: 2 6
- Materiaalkunde en - innovatie: 2 6

*Advanced Technology will be presented as a 2nd semester course

** Databases is removed from the standard trajectory and is replaced by: Fundamentals of Data Science.

If you obtained Databases in 2019-2020 or before, you will not be obligated to take up this new course.

### Standard Trajectory 2nd year (60 ECTS-credits compulsory)

You can choose between 'Master Thesis Business & Technology Program' or 'Master Thesis Business and Technology Program: Trade Mission'.

<table>
<thead>
<tr>
<th>Naam OO</th>
<th>Sem</th>
<th>ECTS</th>
<th>Prerequisite</th>
<th>Corequisite</th>
<th>Additional requisites</th>
</tr>
</thead>
<tbody>
<tr>
<td>Corporate Social Responsibility</td>
<td>2</td>
<td>6</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Strategic Management</td>
<td>1</td>
<td>6</td>
<td>(Micro-eco) (Management)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Masterproef Handelsingenieur - Handelsmissie</td>
<td>1+2</td>
<td>18</td>
<td></td>
<td></td>
<td>You can only enroll for this course when you are able to finish the program</td>
</tr>
<tr>
<td>Master Thesis Business and Technology Program</td>
<td>1+2</td>
<td>18</td>
<td></td>
<td></td>
<td>You can only enroll for this course when you are able to finish the program; check out specific selection criteria online</td>
</tr>
<tr>
<td>Entrepreneurship</td>
<td>1</td>
<td>3</td>
<td></td>
<td>(Technologisch ondernemerschap)</td>
<td></td>
</tr>
</tbody>
</table>

For Module 2, please select 27 ECTS Electives: 3 ECTS-credits for Entrepreneurship; At least 6 ECTS-credits practice-oriented courses and Max. 18 ECTS-credits.

** Entrepreneurship and Business Aspects of Technology - elective (3 ECTS-credits)**

- Business Aspects of Biototechnology: 1 3
  - Entrepreneurship (Technologisch ondernemerschap)
- Business Aspects of Innovation in Materials: 1 3
  - Entrepreneurship (Technologisch ondernemerschap)
- Business Aspects of Software Industry: 1 3
  - Entrepreneurship (Technologisch ondernemerschap)
- Business Aspects of Micro-electronics and Photonics: 2 3
  - Entrepreneurship (Technologisch ondernemerschap)

** Practice-oriented courses - select 6 or 12 ECTS-credits**

- Technological Business Development Project: 1+2 6
- Internship: 1+2 6
- Bachelordegree obtained
- Internship: 1+2 12
- Bachelordegree obtained
- Microeconomics of Competitiveness: 1+2 12
  - Bachelordegree obtained; check out specific selection criteria online
- International Business Project (NEW ELECTIVE) | 1+2 6 |
  - Bachelordegree obtained

** Electives - select 18 or 12 ECTS-credits**

- Sustainable Mobility and Logistics: 1 6
- Risk Management: 1 6
  - Financial Repiring (Wiskunde II); (Statistiek II)
- Web Information Systems: 2 6
  - Information Systems Strategy and Management
- Multinational Strategic Planning: 2 6
  - (Bedrijfsmarkten en instellingen; Financial Markets and Institutions)
- Advanced Accounting and International Financial Statements: 1 6
- Scalable Data Management Systems: 1 6
- Open Sciences: Policies and Practices (NEW ELECTIVE) | 2 6 |