

Faculty of Economics and Business Administration
Preparatory Course Master of Science in Business Engineering

Language of instruction: English

Programme version 5

1 General Courses

Subscribe to 1 module depending on the previous education from the following list. Subject to approval by the faculty.

1.1 Holders of a Bachelor's Degree in Economics

| Nr | Course | CRDT | Ref | MT1 | Session | Study |
|----|--|------|-----|-----|---------|-------|
| 1 | F000759 Data Mining <i>Dries Benoit -- Department of Marketing, Innovation and Organisation</i> | 5 | | 1 | A:1 | 150 |
| 2 | F000242 Operations Management <i>Veronique Limère -- Department of Business Informatics and Operations Management</i> | 6 | | 1 | A:1 | 180 |
| 3 | F000923 Database Systems [en, nl] <i>Seppe vanden Broucke -- Department of Business Informatics and Operations Management</i> | 6 | | 1 | A:1 | 180 |
| 4 | F000423 Operations Research <i>Broos Maenhout -- Department of Business Informatics and Operations Management</i> | 7 | | 1 | A:1 | 210 |
| 5 | F000533 Econometrics <i>Gerdie Everaert -- Department of Economics</i> | 5 | | 1 | A:2 | 150 |

1.1.1 Elective Courses

Subscribe to no more than 34 credit units from the following list. Subject to approval by the faculty. Depending on the student's degree and the acquired competences the Curriculum Committee determines which courses are included in the student's program.

| Nr | Course | CRDT | Ref | MT1 | Session | Study |
|----|---|------|-----|-----|----------|-------|
| 1 | F000463 Mathematics II (A) [nl] <i>Steven Freson -- Department of Mathematics, Computer Science and Statistics</i> | 3 | | 1 | A:1 | 90 |
| 2 | F000762 Mathematics II (B) [nl] <i>Steven Freson -- Department of Mathematics, Computer Science and Statistics</i> | 4 | | 1 | A:2 | 120 |
| 3 | F000165 Physics [nl] <i>Christophe Detavernier -- Department of Solid State Sciences</i> | 5 | | 1 | A:2 | 150 |
| 4 | F000903 Chemistry [nl] <i>Katrien Strubbe -- Department of Chemistry</i> | 4 | | 1 | A:2 | 120 |
| 5 | F000888 Algorithms and Data Structures <i>Frederik Gailly -- Department of Business Informatics and Operations Management</i> | 4 | | 1 | E:1 | 120 |
| 6 | F000917 Electrical and Electronics Engineering [nl, en] <i>Jan Doutreloigne -- Department of Electronics and Information Systems</i> | 3 | | 1 | A:2, E:2 | 90 |
| 7 | F000265 Materials Science [nl] <i>Patricia Verleysen -- Department of Electromechanical, Systems and Metal Engineering</i> | 3 | | 1 | A:2 | 90 |
| 8 | C003080 Programming <i>Peter Dawyndt -- Department of Mathematics, Computer Science and Statistics</i> | 5 | UKV | 1 | C:1 | 150 |
| 9 | F000921 Mechanical Engineering [nl] <i>Patrick De Baets -- Department of Electromechanical, Systems and Metal Engineering</i> | 3 | | 1 | A:1 | 90 |
| 10 | F000922 Civil Engineering [nl] <i>Geert De Schutter -- Department of Structural Engineering and Building Materials</i> | 3 | | 1 | A:1 | 90 |
| 11 | C004198 Mathematics <i>Marianna Chatzakou -- Department of Mathematics: Analysis, Logic and Discrete Mathematics</i> | 6 | | 1 | | 165 |
| 12 | C004199 Physics <i>Bartel Van Waeyenberge -- Department of Solid State Sciences</i> | 5 | | 1 | A:2 | 150 |

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|----|---------|---|---|---|-----|-----|
| 13 | C004200 | Chemistry <i>Steven Nolan -- Department of Chemistry</i> | 5 | 1 | A:2 | 125 |
|----|---------|---|---|---|-----|-----|

1.2 Holders of Another Bachelor's Degree

| Nr | Course | CRDT | Ref | MT1 | Session | Study |
|----|--|------|-----|-----|---------|-------|
| 1 | F000533 Econometrics <i>Gerdie Everaert -- Department of Economics</i> | 5 | | 1 | A:2 | 150 |
| 2 | F000759 Data Mining <i>Dries Benoit -- Department of Marketing, Innovation and Organisation</i> | 5 | | 1 | A:1 | 150 |
| 3 | F000242 Operations Management <i>Veronique Limère -- Department of Business Informatics and Operations Management</i> | 6 | | 1 | A:1 | 180 |
| 4 | F000923 Database Systems [en, nl] <i>Seppe vanden Broucke -- Department of Business Informatics and Operations Management</i> | 6 | | 1 | A:1 | 180 |
| 5 | F000423 Operations Research <i>Broos Maenhout -- Department of Business Informatics and Operations Management</i> | 7 | | 1 | A:1 | 210 |
| 6 | F001011 Marketing Fundamentals <i>Katrien Verleye -- Department of Marketing, Innovation and Organisation</i> | 5 | | 1 | A:2 | 150 |
| 7 | F000132 Corporate Finance <i>Virginie Mataire -- Department of Accounting, Corporate Finance and Taxation</i> | 6 | | 1 | A:2 | 180 |

1.2.1 Elective Courses

Subscribe to no more than 37 credit units from the following list. Subject to approval by the faculty.

Depending on the student's degree and the acquired competences the Curriculum Committee determines which courses are included in the student's program.

| Nr | Course | CRDT | Ref | MT1 | Session | Study |
|----|--|------|-----|-----|---------|-------|
| 1 | F000494 Economics (A) [nl] <i>Koen Schoors -- Department of Economics</i> | 4 | | 1 | A:1 | 120 |
| 2 | F000471 Economics (B) [nl] <i>Koen Schoors -- Department of Economics</i> | 5 | | 1 | A:2 | 150 |
| 3 | F000479 Financial Statement Analysis [nl] <i>Heidi Vander Bauwhede -- Department of Accounting, Corporate Finance and Taxation</i> | 5 | | 1 | A:1 | 150 |
| 4 | F000863 International Business Class <i>Yann Dekeyser -- Department of Marketing, Innovation and Organisation</i> | 3 | | 1 | A:1 | 90 |
| 5 | F000853 Analytical Accounting and Cost Accounting [nl] <i>Sophie Hoozée -- Department of Accounting, Corporate Finance and Taxation</i> | 5 | | 1 | A:2 | 150 |
| 6 | F000551 Business Skills <i>Mieke Audenaert -- Department of Marketing, Innovation and Organisation</i> | 4 | | 1 | C:2 | 120 |
| 7 | F000855 Organization Theory <i>Gosia Kozusznik -- Department of Marketing, Innovation and Organisation</i> | 4 | | 1 | A:2 | 120 |
| 8 | F000851 Research Methods I <i>Wendy Van Lippevelde -- Department of Marketing, Innovation and Organisation</i> | 3 | | 1 | A:2 | 90 |
| 9 | F000888 Algorithms and Data Structures <i>Frederik Gailly -- Department of Business Informatics and Operations Management</i> | 4 | | 1 | E:1 | 120 |
| 10 | F000916 Economics <i>Samuel Standaert -- Department of Economics</i> | 5 | | 1 | A:2 | 150 |

Teaching

When a course is not taught (solely) in the programme's language of instruction, the effectively used languages are indicated in square brackets following the course name, using the following ISO codes:

| | | | | | | |
|---------------|-------------|-------------|---------------|----------------|----------------------|-------------|
| bg: Bulgarian | de: German | es: Spanish | ja: Japanese | pl: Polish | sh: Croatian/Serbian | zh: Chinese |
| cs: Czech | el: Greek | fr: French | nl: Dutch | pt: Portuguese | sl: Slovene | |
| da: Danish | en: English | it: Italian | no: Norwegian | ru: Russian | sv: Swedish | |

Semester

Semesters are indicated by their number (1 or 2); semester 3 represents the summer period and J indicates a course spanning semesters 1 and 2. When a capital letter precedes a semester number, the course has multiple offerings. The letter indicates the offering concerned.

When a semester is shown in brackets, the course is not offered this year in the specific offering.

The offering frequency and first year of offering are indicated by the following codes:

| | | | |
|-----------------|---------------------------------|---------------------------------|---------------------------------|
| a: bi-annually | c: annually, from 2025-2026 | f: annually, from 2026-2027 | i: annually, from 2027-2028 |
| b: tri-annually | d: bi-annually, from 2025-2026 | g: bi-annually, from 2026-2027 | j: bi-annually, from 2027-2028 |
| | e: tri-annually, from 2025-2026 | h: tri-annually, from 2026-2027 | k: tri-annually, from 2027-2028 |