

Faculty of Engineering and Architecture

Linking Course Master of Science in Information Engineering Technology

Language of instruction: Dutch

Programme version 11

1 General Courses

57 credits

| Nr | Course | CRDT | Ref | MT1 | Session | Study |
|----|---|------|-----|-----|---------|-------|
| 1 | E701033 Mathematics I <i>Tanja Van Hecke -- Department of Information Technology</i> | 6 | | 1 | A:1 | 180 |
| 2 | E702010 Signals and Systems <i>Jan Beyens -- Department of Information Technology</i> | 6 | | 1 | A:1 | 180 |
| 3 | E761018 Programming in C and C++ <i>Helga Naessens -- Department of Information Technology</i> | 6 | | 1 | A:1 | 180 |
| 4 | E761039 Data structures <i>Sam Leroux -- Department of Information Technology</i> | 3 | | 1 | A:1 | 90 |
| 5 | E761029 Discrete Mathematics <i>Cedric De Boom -- Department of Information Technology</i> | 3 | | 1 | A:1 | 90 |
| 6 | E701034 Mathematics II <i>Tanja Van Hecke -- Department of Information Technology</i> | 6 | | 1 | A:2 | 180 |
| 7 | E702090 Statistics and Mathematical Data-analysis <i>Tanja Van Hecke -- Department of Information Technology</i> | 6 | | 1 | A:2 | 180 |
| 8 | E761060 Operating Systems <i>Wim Van Den Breen -- Department of Information Technology</i> | 6 | | 1 | A:2 | 180 |
| 9 | E761040 Distributed data processing <i>Bruno Volckaert -- Department of Information Technology</i> | 3 | | 1 | A:1 | 90 |
| 10 | E761042 Algorithms <i>Pieter Simoens -- Department of Information Technology</i> | 6 | | 1 | A:2 | 180 |
| 11 | E761031 Computer Networks II: Network Management <i>Wouter Tavernier -- Department of Information Technology</i> | 6 | | 1 | A:2 | 180 |

2 General Courses

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

2.1 Intake: Bachelor of Applied Computer Science

6 credits

| Nr | Course | CRDT | Ref | MT1 | Session | Study |
|----|---|------|-----|-----|---------|-------|
| 1 | E702100 Computer Hardware <i>Wim Van Den Breen -- Department of Information Technology</i> | 6 | | 1 | A:1 | 180 |

2.2 Intake: Bachelor of Electronics-ICT (all main subjects)

Subscribe to at most 30 credit units from 2 modules from the following list. Subject to approval by the faculty.

2.2.1 General Courses

21 credits

| Nr | Course | CRDT | Ref | MT1 | Session | Study |
|----|---|------|-----|-----|---------|-------|
| 1 | E761035 Software Engineering <i>Veerle Ongenaë -- Department of Information Technology</i> | 6 | | 1 | A:2 | 180 |
| 2 | E761036 User Interfaces <i>Veerle Ongenaë -- Department of Information Technology</i> | 6 | | 1 | A:2 | 180 |
| 3 | E761041 Software Development & Operations <i>Bruno Volckaert -- Department of Information Technology</i> | 3 | | 1 | A:1 | 90 |

| | | | | | | |
|---|---------|----------------------|---|---|-----|-----|
| 4 | E761028 | Relational Databases | 6 | 1 | A:1 | 180 |
|---|---------|----------------------|---|---|-----|-----|

Guy De Tré -- Department of Telecommunications and Information Processing

2.2.2 General courses depending on the student's previous degree

Selection of courses for maximum 18 credits from the Bachelor of Science in Engineering, main subject Information Engineering Technology, depending on the student's previous degree. Subject to approval by the faculty.

2.3 Intake: Bachelor of Multimedia and Communication Technology (all main subjects) and Bachelor of Multimedia and Communication Technology

Subscribe to at most 30 credit units from 2 modules from the following list. Subject to approval by the faculty.

2.3.1 General Courses 21 credits

| Nr | Course | CRDT | Ref | MT1 | Session | Study |
|----|--|------|-----|-----|---------|-------|
| 1 | E761035 Software Engineering <i>Veerle Ongenaë -- Department of Information Technology</i> | 6 | | 1 | A:2 | 180 |
| 2 | E702100 Computer Hardware <i>Wim Van Den Breen -- Department of Information Technology</i> | 6 | | 1 | A:1 | 180 |
| 3 | E761041 Software Development & Operations <i>Bruno Volckaert -- Department of Information Technology</i> | 3 | | 1 | A:1 | 90 |
| 4 | E761028 Relational Databases <i>Guy De Tré -- Department of Telecommunications and Information Processing</i> | 6 | | 1 | A:1 | 180 |

2.3.2 General courses depending on the student's previous degree

Selection of courses for maximum 18 credits from the Bachelor of Science in Engineering, main subject Information Engineering Technology, depending on the student's previous degree. Subject to approval by the faculty.

2.4 Intake: other degrees

Subscribe to at most 30 credit units from 2 modules from the following list. Subject to approval by the faculty.

For students with the following previous degrees:

Bachelor in de digital arts and entertainment, Bachelor of Digital Arts and Entertainment, Bachelor in de elektromechanica (alle afstudeerrichtingen), Bachelor in het informaticamanagement en de multimedia, Bachelor in het informatiemanagement en de multimedia, Bachelor in het informatiemanagement en de informatiesystemen

2.4.1 General Courses 24 credits

| Nr | Course | CRDT | Ref | MT1 | Session | Study |
|----|--|------|-----|-----|---------|-------|
| 1 | E702100 Computer Hardware <i>Wim Van Den Breen -- Department of Information Technology</i> | 6 | | 1 | A:1 | 180 |
| 2 | E761035 Software Engineering <i>Veerle Ongenaë -- Department of Information Technology</i> | 6 | | 1 | A:2 | 180 |
| 3 | E761036 User Interfaces <i>Veerle Ongenaë -- Department of Information Technology</i> | 6 | | 1 | A:2 | 180 |
| 4 | E761028 Relational Databases <i>Guy De Tré -- Department of Telecommunications and Information Processing</i> | 6 | | 1 | A:1 | 180 |

2.4.2 General courses depending on the student's previous degree

Selection of courses for maximum 12 credits from the Bachelor of Science in Engineering, main subject Information Engineering Technology, depending on the student's previous degree. Subject to approval by the faculty.

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 2022-2023 | f: annually, from 2023-2024 | i: annually, from 2024-2025 |
| b: tri-annually | d: bi-annually, from 2022-2023 | g: bi-annually, from 2023-2024 | j: bi-annually, from 2024-2025 |
| | e: tri-annually, from 2022-2023 | h: tri-annually, from 2023-2024 | k: tri-annually, from 2024-2025 |