



Faculty of Engineering and Architecture

**Bachelor of Science in Industrial Design Engineering Technology**

Campus: Courtray

Language of instruction: Dutch

Programme version 12

## 1 General Courses 60 credits

| Nr | Course   | CRDT | Ref | MT1 | Session | Study |
|----|--|------|-----|-----|---------|-------|
| 1  | E610004 Mathematics I<br><i>Eric Laermans -- Department of Information Technology</i>  | 6    |     | 1   | A:1     | 180   |
| 2  | E610014 Electricity<br><i>Kurt Stockman -- Department of Electromechanical, Systems and Metal Engineering</i>                  | 6    |     | 1   | A:1     | 180   |
| 3  | E610051 Design Tools<br><i>Olivier Rysman -- Department of Industrial Systems Engineering and Product Design</i>               | 4    |     | 1   | A:1     | 120   |
| 4  | E610019 Materials<br><i>Geert De Clercq -- Department of Materials, Textiles and Chemical Engineering</i>                      | 3    |     | 1   | A:1     | 90    |
| 5  | E610020 Introduction Industrial Design<br><i>Jan Detand -- Department of Industrial Systems Engineering and Product Design</i> | 6    |     | 1   | A:1     | 180   |
| 6  | E610013 Mechanics<br><i>Michael Monte -- Department of Electromechanical, Systems and Metal Engineering</i>                    | 6    |     | 1   | A:J     | 180   |
| 7  | E610052 Engineering Project<br><i>Kurt Stockman -- Department of Electromechanical, Systems and Metal Engineering</i>          | 5    |     | 1   | A:J     | 150   |
| 8  | E610005 Mathematics II<br><i>Pieter Audenaert -- Department of Information Technology</i>                                      | 6    |     | 1   | A:2     | 180   |
| 9  | E610016 Physics<br><i>Michael Monte -- Department of Electromechanical, Systems and Metal Engineering</i>                      | 6    |     | 1   | A:2     | 180   |
| 10 | E610053 Computer Science<br><i>Jan Devos -- Department of Industrial Systems Engineering and Product Design</i>                | 6    |     | 1   | A:2     | 180   |
| 11 | E610017 Basics Industrial Design<br><i>Jelle Saldien -- Department of Industrial Systems Engineering and Product Design</i>    | 6    |     | 1   | A:2     | 180   |

## 2 General Courses 120 credits

| Nr | Course   | CRDT | Ref | MT1 | Session | Study |
|----|--|------|-----|-----|---------|-------|
| 1  | I610008 General Chemistry<br><i>Christophe Wille -- Department of Food Technology, Safety and Health</i>                                     | 6    |     | 2   | A:1     | 180   |
| 2  | E620600 Electrical Systems<br><i>Jos Knockaert -- Department of Electromechanical, Systems and Metal Engineering</i>                         | 3    |     | 2   | A:1     | 90    |
| 3  | E620032 Applied Fluid Mechanics and Thermodynamics<br><i>Martijn van den Broek -- Department of Electronics and Information Systems</i>      | 6    |     | 2   | A:1     | 180   |
| 4  | E620052 Mechanics of Materials<br><i>Michael Monte -- Department of Electromechanical, Systems and Metal Engineering</i>                     | 3    |     | 2   | A:1     | 90    |
| 5  | E620700 Design Tools II<br><i>Olivier Rysman -- Department of Industrial Systems Engineering and Product Design</i>                          | 3    |     | 2   | A:1     | 90    |
| 6  | E620070 Graphic Design Communication<br><i>Olivier Rysman -- Department of Industrial Systems Engineering and Product Design</i>             | 6    |     | 2   | A:1     | 180   |
| 7  | E620080 Human-centered and Interaction Design<br><i>Bastiaan Baccarne -- Department of Industrial Systems Engineering and Product Design</i> | 7    |     | 2   | A:J     | 210   |
| 8  | E610055 Electronics<br><i>Sam Lemey -- Department of Information Technology</i>  | 3    |     | 2   | A:2     | 90    |

|    |         |   |   |     |     |     |     |
|----|---------|---|---|-----|-----|-----|-----|
| 9  | E620048 | Statistics<br><i>Eric Laermans -- Department of Information Technology</i>  | 3 | 2   | A:2 | 90  |     |
| 10 | I610015 | Introduction to the Circular Economy<br><i>Diederik Rousseau -- Department of Green Chemistry and Technology</i>  | 3 | 2   | A:2 | 90  |     |
| 11 | E620066 | Industrial Production<br><i>Patrick De Baets -- Department of Electromechanical, Systems and Metal Engineering</i>  | 6 | 2   | A:2 | 180 |     |
| 12 | E620036 | Advanced CAD<br><i>Olivier Rysman -- Department of Industrial Systems Engineering and Product Design</i>  | 6 | 2   | A:2 | 180 |     |
| 13 | E620110 | Emerging Technologies<br><i>Jelle Saldien -- Department of Industrial Systems Engineering and Product Design</i>  | 5 | 2   | A:2 | 150 |     |
| 14 | E640093 | CAE Oriented Design<br><i>Michael Monte -- Department of Electromechanical, Systems and Metal Engineering</i>   | 6 | 3   | A:1 | 180 |     |
| 15 | E630110 | Design for Advanced Production Methods and Environments [nl, en]<br><i>Davy Parmentier -- Department of Industrial Systems Engineering and Product Design</i> | 9 | 3   | A:1 | 240 |     |
| 16 | E640990 | Research Methodology for Industrial Design<br><i>Bastiaan Baccarne -- Department of Industrial Systems Engineering and Product Design</i>                     | 6 | 3   | B:1 | 180 |     |
| 17 | E630130 | History and Industrial Design [en, nl]<br><i>Francesca Ostuzzi -- Department of Industrial Systems Engineering and Product Design</i>                         | 6 | 3   | A:1 | 180 |     |
| 18 | E630095 | Co-Creation [en, nl]<br><i>Jan Detand -- Department of Industrial Systems Engineering and Product Design</i>  | 6 | UKV | 3   | A:J | 180 |
| 19 | E620702 | Business Administration<br><i>Ludo Poelaert -- Department of Industrial Systems Engineering and Product Design</i>  | 3 | 3   | A:2 | 90  |     |
| 20 | E630067 | Material and Process Oriented Industrial Design<br><i>Jan Detand -- Department of Industrial Systems Engineering and Product Design</i>                       | 6 | 3   | A:2 | 180 |     |
| 21 | E630058 | Designing in a Cybernetical and System-Oriented Way [en]<br><i>Jan Detand -- Department of Industrial Systems Engineering and Product Design</i>              | 6 | 3   | A:2 | 180 |     |
| 22 | E630120 | Innovative and Strategic Design<br><i>Jan Devos -- Department of Industrial Systems Engineering and Product Design</i>  | 6 | 3   | A:2 | 180 |     |
| 23 | E640440 | Design Research and Academic Writing [en, nl]<br><i>Davy Parmentier -- Department of Industrial Systems Engineering and Product Design</i>                    | 6 | 3   | A:2 | 180 |     |

## 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 2023-2024     | f: annually, from 2024-2025     | i: annually, from 2025-2026     |
| b: tri-annually | d: bi-annually, from 2023-2024  | g: bi-annually, from 2024-2025  | j: bi-annually, from 2025-2026  |
|                 | e: tri-annually, from 2023-2024 | h: tri-annually, from 2024-2025 | k: tri-annually, from 2025-2026 |