

Faculty of Engineering and Architecture

Preparatory Course Master of Science in Electromechanical Engineering -- Electrical Power Engineering

Language of instruction: Dutch

Programme version 3

1 General Courses 27 credits

1.1 General Courses recommended by the Faculty Board 27 credits

| Nr | Course | CRDT | Ref | MT1 | Session | Study |
|----|---|------|-----|-----|---------|-------|
| 1 | E007120 Modelling and Control of Dynamic Systems <i>Mia Loccufer -- Department of Electromechanical, Systems and Metal Engineering</i> | 6 | | 1 | A:2 | 180 |
| 2 | E036500 Electrical Machines <i>Luc Dupré -- Department of Electromechanical, Systems and Metal Engineering</i> | 6 | | 1 | A:1 | 180 |
| 3 | E039110 Technical Thermodynamics <i>Michel De Paepe -- Department of Electromechanical, Systems and Metal Engineering</i> | 6 | | 1 | A:1 | 180 |
| 4 | E040030 Dynamics of Rigid Bodies <i>Wim De Waele -- Department of Electromechanical, Systems and Metal Engineering</i> | 3 | | 1 | A:2 | 90 |
| 5 | E062220 Machine Elements <i>Patrick De Baets -- Department of Electromechanical, Systems and Metal Engineering</i> | 6 | | 1 | A:2 | 180 |

1.2 General Courses according to diploma

Subscribe to no more than 60 credit units from the Bachelor of Science in Engineering, main subject Electromechanical Engineering, 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 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 |