GHENT UNIVERSITY

Study Programme

Academic year 2024-2025

Faculty of Engineering and Architecture

Preparatory Course Master of Science in Industrial Engineering and Operations Research

Language of instruction: Dutch

Programme version 8

1 General Courses

Subscribe to 1 intake possibility from the following list. Subject to approval by the faculty.
Depending on the previous degree of the student.

1.1 Intake: MSc in Business Engineering, MSc in Business Engineering: Management Information Systems

Depending on the previous education and subject to approval by the faculty.
Students with a previous degree in: Master of Science in Business Engineering, Master of Science in Business Engineering: Management Information Systems

Nr	Course		CRDT	Ref	MT1	Session	Study
1	E001161	Mathematic Models *Karel Van Acoleyen -- Department of Electronics and Information Systems*	6		1	A:1	180
2	E045120	Transport Phenomena *Tom De Mulder -- Department of Civil Engineering*	6		1	B:2	180
3	E090320	Electrical Circuits and Networks *Inge Nys -- Department of Electronics and Information Systems*	6		1	A:1	180
4	E005020	Analysis of Systems and Signals *Gert De Cooman -- Department of Electronics and Information Systems*	6		1	A:1	180
5	E003110	Applied Probability *Sabine Wittevrongel -- Department of Telecommunications and Information Processing*	3		1	A:2	90
6	E063130	Mechanical Production Technology	3		1		90
7	E007120	Modelling and Control of Dynamic Systems *Mia Loccufier -- Department of Electromechanical, Systems and Metal Engineering*	6		1	A:2	180

1.1.1 General Courses depending on the previous degree

Subscribe to no more than 24 credit units from the Bachelor's programmes in Engineering. Depending on the previous degree of the student and subject to approval by the faculty.

1.2 Intake: other degrees

Subscribe to course units from the following list.
Depending on the previous degree of the student and subject to approval by the faculty.
Students with a previous degree in: BSc in Engineering: Architecture, BSc in Bioscience Engineering, MSc in Bioscience Engineering, BSc in Business Engineering, BSc in Business Engineering: Management Information Systems, BSc in Engineering Technology (all), BSc in Mathematics, BSc in Physics and Astronomy, BSc in Physics, BSc in Informatics, BSc in Engineering (KMS), MSc in Engineering: Architecture, MSc in Architectural Engineering, MSc in Mathematics (alle), MSc in Physics and Astrononmy, MSc in Physics, MSc in Mathematical Informatics, BSc in Geography and Geomatics (all), MSc in Geography and Geomatics

Nr	Course		CRDT	Ref	MT1	Session	Study
1	E040420	Mechanics of Materials *Wim Van Paepegem -- Department of Materials, Textiles and Chemical Engineering*	6		1	A:1	180
2	E090320	Electrical Circuits and Networks *Inge Nys -- Department of Electronics and Information Systems*	6		1	A:1	180
3	E007120	Modelling and Control of Dynamic Systems *Mia Loccufier -- Department of Electromechanical, Systems and Metal Engineering*	6		1	A:2	180
4	E045120	Transport Phenomena *Tom De Mulder -- Department of Civil Engineering*	6		1	B:2	180
5	E005020	Analysis of Systems and Signals *Gert De Cooman -- Department of Electronics and Information Systems*	6		1	A:1	180

1.2.1 General Courses depending on the student's previous degree

Subscribe to no more than 60 credit units from the Bachelor's programmes in Engineering. Depending on the previous degree of the student and 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 cours name, using the following ISO codes:

bg: Bulgarian	de: German	es: Spanish	ja: Japanese	pl: Polish	sh: Kroatian/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 in 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