GHENT UNIVERSITY

Study Programme

Academic year 2026-2027

Faculty of Engineering and Architecture

Bridging Programme Master of Science in Fire Safety Engineering

Language of instruction: English

Programme version 7

1 General Courses 87 credits

Nr	Course		CRDT	Ref	MT1	Session	Study
1	E001161	Mathematic Models *Karel Van Acoleyen -- Department of Electronics and Information Systems*	6	BRUG	1	A:1	180
2	E051540	Explosions and Industrial Fire Safety *Filip Verplaetsen -- Department of Structural Engineering and Building Materials*	6		1	A:1	180
3	E051430	Fire Dynamics *Tarek Beji -- Department of Structural Engineering and Building Materials*	6		1	B:1	180
4	E051640	Data-Driven Management of Fire Incidents *Steven Verstockt -- Department of Electronics and Information Systems*	3		1	A:1	90
5	E039161	Thermodynamics, Heat and Mass Transfer *Georgios Maragkos -- Department of Structural Engineering and Building Materials*	6		1	A:1	180
6	E051570	Material Behaviour at Ambient and Elevated Temperatures *Bart Merci -- Department of Structural Engineering and Building Materials*	3		1	A:1	90
7	E051461	Interaction between People and Fire *Enrico Ronchi -- Department of Structural Engineering and Building Materials*	6		1	A:2	180
8	E051550	Risk Management *Ruben Van Coile -- Department of Structural Engineering and Building Materials*	6		1	A:2	180
9	E051590	Compartmentation Strategies *David Maeso Asua -- Department of Structural Engineering and Building Materials*	3		1	A:2	90
10	E051600	Structural Fire Engineering *Thomas Thienpont -- Department of Structural Engineering and Building Materials*	6		1	A:2	180
11	E051421	Fluid Mechanics Applications in Fire *Tom De Mulder -- Department of Civil Engineering*	6		1	A:2	180
12	E051482	Active Fire Protection I: Detection and Suppression *Christian Gryspeert -- Department of Structural Engineering and Building Materials*	6		2	A:1	180
13	E051494	Active Fire Protection II: Smoke and Heat Control *Bart Merci -- Department of Structural Engineering and Building Materials*	6		2	A:1	180
14	E051700	CFD for Fire Safety Engineering *Tarek Beji -- Department of Structural Engineering and Building Materials*	3		2	A:2	90
15	E051443	Fire Safety and Legislation *Jan De Saedeleer -- Department of Structural Engineering and Building Materials*	3		2	A:1	90
16	E051610	Passive Fire Protection *Emmanuel Annerel -- Department of Structural Engineering and Building Materials*	3		2	A:1	90
17	E061522	Performance-Based Design *Patrick van Hees -- Department of Structural Engineering and Building Materials*	6		2	A:1	180
18	E051630	Fire Safety Strategy Project *David Maeso Asua -- Department of Structural Engineering and Building Materials*	3		2	A:2	90

2 Elective Courses 9 credits

Subscribe to 9 credit units from the Master of Science in Fire Safety Engineering. Subject to approval by the faculty.
Divided as follows (and taken into account the guidelines in the programme)

- 6 to 9 credit units from the Elective Courses module 2 (with submodules design en structures)
- no more than 3 credit units te selecteren from the Elective Courses module 3 (with submodules Elective Courses Fire Safety Engineering, Elective Social Courses, Elective Courses Ghent University).

3 Master's Dissertation 24 credits

Nr	Course		CRDT	Ref	MT1	Session	Study
1	E091103	Master's Dissertation	24		2	B:J	720

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 2027-2028	f: annually, from 2028-2029	i: annually, from 2029-2030
b: tri-annually	d: bi-annually, from 2027-2028	g: bi-annually, from 2028-2029	j: bi-annually, from 2029-2030
	e: tri-annually, from 2027-2028	h: tri-annually, from 2028-2029	k: tri-annually, from 2029-2030