

Faculty of Engineering and Architecture

Postgraduate Studies in Fire Safety Engineering

Language of instruction: English

Programme version 13

## 1 General Courses 36 credits

Nr	Course	CRDT	Ref	MT1	Session	Study
1	E051430 Fire Dynamics <i>Tarek Beji -- Department of Structural Engineering and Building Materials</i> <a href="#">Indicative price: € 200</a>	6			(A:1) <sup>d</sup>	180
2	E051512 Design for Structural Fire Resistance <i>Emmanuel Annerel -- Department of Structural Engineering and Building Materials</i> <a href="#">Indicative price: unknown</a>	3			B:1 <sup>a</sup>	90
3	E051450 Industrial Fire Protection and Explosions <i>Filip Verplaetsen -- Department of Structural Engineering and Building Materials</i> <a href="#">Indicative price: unknown</a>	3			(A:2) <sup>d</sup>	90
4	E051500 Risk Management <i>Ruben Van Coile -- Department of Structural Engineering and Building Materials</i> <a href="#">Indicative price: € 0</a>	3			(A:2) <sup>d</sup>	90
5	E051441 Fire Safety and Legislation <i>Jan De Saedeleer -- Department of Structural Engineering and Building Materials</i> <a href="#">Indicative price: unknown</a>	3			(A:1) <sup>d</sup>	90
6	E051480 Active Fire Protection I: Detection and Suppression <i>Christian Gryspeerd -- Department of Structural Engineering and Building Materials</i> <a href="#">Indicative price: € 20</a>	3			A:2 <sup>a</sup>	90
7	E051460 Interaction between People and Fire <i>Edwin Galea -- Department of Structural Engineering and Building Materials</i> <a href="#">Indicative price: € 0</a>	3			A:2 <sup>a</sup>	90
8	E051490 Active Fire Protection II: Smoke and Heat Control <i>Bart Merci -- Department of Structural Engineering and Building Materials</i> <a href="#">Indicative price: € 70</a>	3			A:1 <sup>a</sup>	90
9	E051610 Passive Fire Protection <i>Emmanuel Annerel -- Department of Structural Engineering and Building Materials</i> <a href="#">Indicative price: unknown</a>	3			B:1 <sup>a</sup>	90
10	E061520 Performance-Based Design <i>Patrick van Hees -- Department of Structural Engineering and Building Materials</i> <a href="#">Indicative price: € 1,165</a>	6			A:2 <sup>a</sup>	180

## 2 Elective Courses 6 credits

Subscribe to 6 credit units from the following list. Subject to approval by the faculty.  
According to the student's background and in consultation with the programme board.

Nr	Course	CRDT	Ref	MT1	Session	Study
1	E039160 Thermodynamics, Heat and Mass Transfer <i>Georgios Maragos -- Department of Structural Engineering and Building Materials</i> <a href="#">Indicative price: unknown</a>	6			A:1	180
2	E051511 Analysis of Structures <i>Andrea Franchini -- Department of Structural Engineering and Building Materials</i> <a href="#">Indicative price: € 0</a>	3			A:1	90
3	E051570 Material Behaviour at Ambient and Elevated Temperatures <i>Bart Merci -- Department of Structural Engineering and Building Materials</i>	3			A:1	90

## 3 Elective Courses

3 credits

Subscribe to 3 credit units from the following list. Subject to approval by the faculty.

Nr	Course	CRDT	Ref	MT1	Session	Study
1	E051700 CFD for Fire Safety Engineering <i>Tarek Beji -- Department of Structural Engineering and Building Materials</i> <a href="#">Indicative price: € 102</a>	3			A:2	90
2	E051560 FSE Based Firefighting <i>Karel Lambert -- Department of Structural Engineering and Building Materials</i> <a href="#">Indicative price: unknown</a>	3			B:1	90
3	E051570 Material Behaviour at Ambient and Elevated Temperatures <i>Bart Merci -- Department of Structural Engineering and Building Materials</i> <a href="#">Indicative price: € 0</a>	3			A:1	90

## 4 Project

15 credits

Nr	Course	CRDT	Ref	MT1	Session	Study
1	E091270 DISSERTATION <a href="#">Indicative price: unknown</a>	15		2	A:J	450

## Programme related study costs

None

## 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

## Learning materials

The prices stated are indicative and subject to fluctuations.

The list of learning materials per course unit can be found in the course sheets.