



Programme jointly offered by Ghent University, Vrije Universiteit Brussel
Master of Science in Photonics Engineering

Language of instruction: Dutch

Programme version 11

1 General Courses						68 credits	
Nr	Course		CRDT	Ref	MT1	Session	Study
1	E900450	Optical Materials <i>Guy Verschaffelt -- Vrije Universiteit Brussel</i>	6		1	B:1	180
2	E900460	Microphotronics <i>Heidi Ottevaere -- Vrije Universiteit Brussel</i>	6		1	B:1	180
3	E900480	Lasers <i>Nathalie Vermeulen -- Vrije Universiteit Brussel</i>	4		1	B:1	120
4	E900490	Introduction to Entrepreneurship <i>Nikolay Dentchev -- Vrije Universiteit Brussel</i>	3		1	B:1	90
5	E900470	Mathematics in Photonics <i>Martin Virté -- Vrije Universiteit Brussel</i>	4		1	B:1	120
6	E030721	Laboratories in Photonics Research [en] <i>Alberto Curto -- Department of Information Technology</i>	6		1	A:2	180
7	E012420	Optical Communication Systems <i>Geert Marthier -- Department of Information Technology</i>	6		1	B:2	180
8	E008446	Sensors, Actuators and Electronic Microsystems <i>Herbert De Smet -- Department of Electronics and Information Systems</i>	6		1	B:2	180
9	E031521	Physics of Semiconductor Technologies and Devices <i>Geert Van Steenberge -- Department of Electronics and Information Systems</i>	4		1	B:2	120
10	F000892	Innovation Management <i>Katrien Verleye -- Department of Marketing, Innovation and Organisation</i>	3		1	B:2	90
11	E900510	Recent Trends in Photonics <i>Hugo Thienpont -- Vrije Universiteit Brussel</i>	4		2	B:1	120
12	E030961	Design of Refractive and Diffractive Optical Imaging Systems <i>Michael Vervaeke -- Vrije Universiteit Brussel</i>	4		2	B:1	120
13	E030881	Optical Design of Non-Imaging Systems with Ray-tracing Software <i>Wendy Meulebroeck -- Vrije Universiteit Brussel</i>	4		2	B:1	120
14	E032411	Display Technology	4		2		120
15	E030890	Technological Processes for Photonics and Electronics: Laboratory <i>Günther Roelkens -- Department of Information Technology</i>	4		2	B:J	120

2 Elective Courses						22 credits
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Subscribe to 22 credit units from the elective courses from the Master of Science in Photonics or the programmes of the Faculty of Engineering and Architecture (Ghent University) or the Faculty of Engineering (VUB). Subject to approval by the faculty.

3 Master's Dissertation						30 credits
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Nr	Course	CRDT	Ref	MT1	Session	Study	
1	E091106	Master's Dissertation	30		2	B:J	900

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 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