



VRIJE
UNIVERSITEIT
BRUSSEL



GHENT
UNIVERSITY

EUROPEAN MASTER OF SCIENCE IN PHOTONICS

SCHOLARSHIPS AVAILABLE

The multidisciplinary European MSc. in Photonics offers a challenging program with skills development like laser engineering, optical communication, optical materials, microphotonics and optical sensors.

Next to the fundamental science of photonics, students receive an in-depth training in engineering of light-based phenomena and systems. A dedicated team of professors with an impressive track record in photonics and optics research train students during the two-year curriculum (120 ECTS) which leads to a joint degree from UGent and VUB.

This program prepares students for a professional career in innovative industries and research domains such as biotechnology, health care, green energy, ICT and Industry 4.0.

PROGRAM HIGHLIGHTS

- **Core and advanced photonics** courses
- **photonics+**: broaden your degree with a specialization in Electronics & Information Technology, Physics & Materials, Life Sciences or Business Engineering & Entrepreneurship
- Strong focus on **hands-on training** in photonics skills
- **Master thesis** project in highly equipped **research labs**
- **International experience**

Students can take up courses or do a master thesis with top partner universities, also through Erasmus:

PREFERRED PARTNER UNIVERSITIES	UGENT	VUB
Aix-Marseille Université (FR)	✓	✓
Ecole Central Marseille (FR)	✓	✓
Ecole Polytechnique Fédérale de Lausanne (CH)		✓
ITMO University (Russia)	✓	✓
Karlsruher Institut für Technologie (D)	✓	✓
Lund University (S)		✓
St Andrews University (UK)	✓	✓
Technical University of Denmark (DK)	✓	
Universitat Politècnica de Catalunya (SP)	✓	✓



35% theory & fundamentals

10% soft skills



30% labs

25% thesis

OTHER PARTNERS UNIVERSITIES	UGENT	VUB
Eidgenössische Technische Hochschule Zürich (CH)	✓	
Politecnico di Milano (IT)	✓	✓
Grenoble Institute of Technology (FR)	✓	
KTH Royal Institute of Technology (S)	✓	
National Technical University of Athens (GR)		✓
Technical University of Berlin (D)	✓	
Telecom ParisTech (FR)	✓	
Universidad Politecnica de Valencia (SP)	✓	✓
Université Libre de Bruxelles (BE)		✓
Warsaw University of Technology (PL)		✓
Wroclaw University of Technology (PL)		✓

- ✉ Prof. Heidi Ottevaere (VUB Program Chair)
- ✉ Prof. Dries Van Thourhout (UGent Program Chair)
- ✉ Ms. Majorie Jammaers (VUB Program & Admissions)
- ✉ Mr. Bert Coryn (UGent Program & Admissions)

- ✉ secretariat@masterphotonics.be
- 📘 facebook.com/MSc.Photonics
- 🐦 [@eu_photonics](https://twitter.com/eu_photonics)

LIGHT YOUR FUTURE



"I enjoyed my internship within AMS/CMOSIS very much. A great experience to learn how companies work and how vital precise measurements are in real-life projects."

Cheyenne Goeminne
2nd year master student
European Master of Science in Photonics

 **internships in industry**
get real-life work experience during a short (5 weeks) or a longer (10-12 weeks) internship in Belgium or abroad

"The European MSc. in Photonics offers the students exposure to cutting-edge research and top-level infrastructure in leading European academic institutes, providing knowledge and skills necessary for pursuing a career in academia as well as in industry. Most importantly, the mobility tracks of the program sets an excellent ground for professional networking and cultural education which combined can make you stand out from the -competitive- crowd. Intensive, demanding but I would recommend it any time!"

Alex Liles
PhD student St Andrews University (UK)



networking

Light Nights, Photonics Event, Photonics Summer Symposium, Student Societies (SPIE, OSA, SID)

"For the industry, photonics engineers can make the quantum leap. Shaping the photonic industrial revolution starts with the right education."

Jan Watté
group leader R&D Optics
Advanced Engineering Commscope

APPLICATION & ADMISSION

1 ELIGIBILITY

- BSc. Electrical Engineering
- BSc. (Applied) Physics or other education by preparatory program
- English language proof

 **tuition fee**
890 euro / year

2 ON A ROLLING BASIS

DEADLINES

- NON-EEA Nationals
1 March UGent - 1 May VUB
- EEA Nationals 1 June

3 INTERVIEW

within 2 weeks of full application

4 ADMISSION OUTCOME

after 3 weeks of full application

5 ENROLLMENT

assisted by education officer

6 ACADEMIC START

last week of September

scholarships & grants available



 **apply now**

