



VRIJE
UNIVERSITEIT
BRUSSEL



GHENT
UNIVERSITY

EUROPEAN MASTER OF SCIENCE IN PHOTONICS

SCHOLARSHIPS AVAILABLE

The students of our **multidisciplinary two-year** European MSc. in Photonics (120 ECTS) receive an in-depth training in engineering of light-based phenomena and systems by a dedicated team of professors with an impressive track record in photonics and optics research. Next to the fundamental **science of photonics**, the programme covers extensive **skills development** like laser engineering, optical communication, optical materials, microphotonics and optical sensors.

Our master leads to a **joint degree from UGent and VUB** boosting the employment prospects for our graduates maximally in **innovative industries and research domains** such as biotechnology, health care, green energy, ICT and Industry 4.0.

PROGRAMME HIGHLIGHTS

- **Core and advanced photonics** courses
- **Multidisciplinary Engineering modules in**
 - Electronics and Information Technology
 - Physics & Materials
 - Modelling, Measuring and Control
 - Life Sciences
 - Business Engineering
- Intensive **hands-on training** in highly equipped research labs
- **Strong link with industry**, guest lectures & company visits
- **International experience** through courses, master thesis or an internship abroad with top companies and universities



30% theory & fundamentals

10% 21st century skills



35% labs **25%** thesis

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)	✓	✓

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 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

922,3 euro / year

2 ON A ROLLING BASIS

DEADLINES

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

3 INTERVIEW

within 2 weeks of full application

4 ADMISSION OUTCOME

after a few weeks of full application

5 ENROLLMENT

assisted by education officer

6 ACADEMIC START

last week of September

scholarships & grants available



apply now

