

ENROLMENT REQUIREMENTS MASTER OF PHOTONICS ENGINEERING

In order to be eligible to take a course, you usually have to meet certain enrolment requirements. These requirements can be both pre- and corequisites. The requirement may be blocking or advisory in nature. At the VUB, there are 4 types of enrolment requirements:

1. Binding prerequisite
2. Advisory prerequisite
3. Binding corequisite
4. Advisory corequisite

Below you will find the definition of the different types of enrolment requirements. Check out the specific enrolment requirements for your programme on the next page.

BINDING PREREQUISITE

Due to certain risks and safety issues, you can only enrol in course X if you have passed, been exempted from or deliberated for course Y. It is not possible to register for courses if you do not meet the binding prerequisite.

ADVISORY PREREQUISITE

The curriculum council strongly recommends that you only enrol in course X if you have taken course Y. Although this prerequisite is not binding and it is possible to register for course X without having taken course Y, it is your own responsibility not to follow the programme's advice. This means that you do not have the required competencies.

BINDING COREQUISITE

You can only enrol in course X if you are also simultaneously registered for (or have already passed/been exempted from) course Y. In order to achieve the learning results of course X in a safe/good way, a registration for course Y is necessary. It is not possible to register for courses if you do not meet the binding corequisite.

ADVISORY COREQUISITE

The curriculum council strongly recommends that you only enrol in course X if you are simultaneously registered for (or have already passed/been exempted from) course Y. Although this corequisite is not binding and it is possible to register for course X without simultaneously taking course Y, it is your own responsibility not to follow the programme's advice. This means that you do not have the required competencies.

HAVE A LOOK AT THE ENROLMENT REQUIREMENTS FOR YOUR PROGRAMME



Enrolment requirements Master of Photonics Engineering (120 ECTS-credits)

YEAR 1 (60 ECTS)

Course title	Sem	ECTS	Binding prerequisite	Advisory prerequisite	Binding corequisite	Advisory corequisite	Additional requirements
Compulsory common courses (52 ECTS)							
Business management and entrepreneurship	1	3					
Lasers	1	4					
Optical materials	1	6					
Photonics	1	4					
Mathematics in photonics	1	4					
Microphotonics	1	6					
Laboratories in photonics research	2	6					
Business aspects of technology: micro-electronics and photonics	2	3					
Optical communication systems	2	6					
Sensors, actuators and electronic microsystems	2	6					
Physics of semiconductor technologies and devices	2	4					
Advanced elective courses (8 ECTS)							

YEAR 2 (60 ECTS)							
Course title	Sem	ECTS	Binding prerequisite	Advisory prerequisite	Binding corequisite	Advisory corequisite	Additional requirements
Compulsory common courses (34 ECTS)							
Recent trends in photonics	1	4					
Master thesis	1+2	30					Only for students who are able to graduate
Optional internship (5 or 10 ECTS)							
Short internship in photonics	1 or 2	5		Photonics			
Long internships in photonics	1 or 2	10		Photonics			
Advanced elective courses (8 or 4 ECTS)							
Multidisciplinary elective courses (18 or 17 or 12 ECTS)							

