ENROLMENT REQUIREMENTS MASTER OF ARCHITECTURAL ENGINEERING 2023-2024

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

VRIJE UNIVERSITEIT BRUSSEL

Enrolment requirements Master of Architectural Engineering (120 ECTS-credits) 2023-2024

YEAR 1 (60 ECTS)							
Course title	**Sem**	**ECTS**	**Binding prerequisite**	**Advisory prerequisite**	**Binding corequisite**	**Advisory corequisite**	**Additional requirements**
Compulsory courses (51 ECTS)							
Design of concrete structures	1	5					
Design of steel structures	1	5					
Parametric design of transformable structures	1	4					
Post-war history of construction and architecture	1	4					
Sustainable urban design studio	1	8					
Sustainable Architectural design studio	2	8					
Research methods in architectural engineering	2	3					
Energy performance of buidlings	2	6					
Structural renovation techniques	2	4					
Spatial structures: desing and analysis	2	4					
Elective courses (9 ECTS)							
Geotechnical engineering	1	5					
Soil mechanics	1	5					
Structural analysis and finite elements	1	5					
Digitalization in construction	1	4					
Form-active structures	2	4					
Architecture, engineering and construction project management	2	5					
Sustainability in construction	2	4					

YEAR 2 (60 ECTS)							
Course title	**Sem**	**ECTS**	**Binding prerequisite**	**Advisory prerequisite**	**Binding corequisite**	**Advisory corequisite**	**Additional requirements**
Compulsory courses (48 ECTS)							
Advanced design studio	1+2	12					
Master Thesis	1+2	24		Research methods in architectural engineering			Only for students who are able to graduate
Elective compulsory courses (max 12 ECTS)							
Low energy design for sustainable buildings	1	4					
Daylighting in buildings	1	4					
Theory of architecture and urbanism	1	4					
Design project competition	2	4					

Elective courses (12 ECTS)							
Structural analysis and finite elements	1	5					
Lightweight composite structures	1	4					
Experimental techniques for characterization of contrustion materials	1	4					
Urban sociology	1	5					
Room acoustics	1	3					
Low enegy design for sustainable buildings	1	4					
Daylighting in buildings	1	4					
Theory of architecture and urbanism	1	4					
Sustainability: an interdisciplinary approach	1	6					
Visual and non-visual aspects of lighting	1	4					
Robustness of structures and reliability of materials	1	4					
Geotechnical engineering	1	5					
Soil mechanics	1	5					
Prestressed concrete	2	3					
Integrated structural design	2	6					
Steel bridge contrustion	2	3					
Architecture, engineering and construction project management	2	5					
Design project competition	2	4					
Infrastructure and mobility	2	5					
Urband and construction law	2	3					
Histories of architecture	1+2	6					
construction	2	5					
Form-active structures	2	4					
Internship 40 days	1+2	6					
Internship 60 days	1+2	10					