

Faculté Polytechnique de Mons

Département d'Architecture

MONS



DEGREE PROGRAMMES

Bachelor of Science: Bachelor of Architectural Engineering
3-year programme

Master programme: Master of Architectural Engineering
2-year programme
(starting 2007)

CONTACT INFO

Visiting address: Faculté Polytechnique de Mons
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Email:
Website: www.fpm.ac.be

Head of the school: Prof Calogero Conti

GENERAL INFO

Application deadline: 15 May

Tuition and fees: Varies, please contact school for more information.

Accommodation: Accommodation can be provided.

Setting: Mons is indeed a charming and lively little town. The ancient world meets the modern in our quaint city, where picturesque medieval streets and buildings of a unique architectural unity combine with the convenience of today's varied shops, cafés and restaurants. There is no need to have a car in Mons: you can stroll up and down the winding pedestrian streets that form the urban centre and converge to the historic 'Grand Place', surmounted by a XVIIIth century belfry. One feels quickly at home in our welcoming, cheerful town. Mons is the cultural capital city of the province of Hainaut. A theatre, cinemas, museums, art galleries as well as a dynamic cultural centre (www.lemanage.com) are all a stone's throw from one another. For further events, Brussels, Lille and even Paris are not far.

Student population: 1077 students

Faculty: 63 teaching staff and 148 research staff.

Student service/activities: Student Federation, Student Entrepreneurs Club.

Facilities: Sports facilities, cultural society, Faculty Social Services, extensive IT services, student job service, french courses for foreigners.

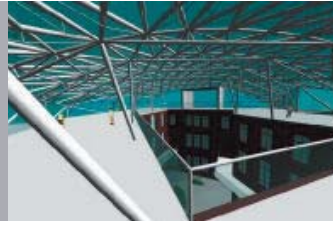
Admission requirements: BSc programme: secondary school diploma granting admission in country of origin.
MSc programme: BSc diploma in Architecture or equivalent.

Language: The language of instruction is French. Some complementary and post-graduate courses may be given in English.

Profile of the faculty

Founded in 1837 by the Province de Hainaut and then known as L'Ecole des Mines (School of Mining), the Faculté Polytechnique de Mons (or FPMs, www.fpm.ac.be) received official recognition as an independent and autonomous university on July 7, 1920. A Board of Directors including equally Faculty members and representatives from the public and private sector autonomously administers it. The Faculté Polytechnique de Mons awards Master degrees in engineering in six different fields, after 5 years of studies: degree in Architectural Engineering, Chemistry and Materials sciences, Electrical Engineering, Computer & Management sciences, Mechanical Engineering and Mining and Geology. The Faculté Polytechnique de Mons is part of Socrates and TIME networks, and is a member of the "Académie Wallonie Bruxelles" (together with ULB, UMH and FPMs).

The FPMs is made of one single faculty: the Faculty of Engineering (applied sciences), which has itself 23 units.



Bachelor programme

The tasks that await architectural engineers call for specific training. This is why the choice of the Bachelor of Architectural Engineering degree is made in the very first year. During this year, however, the proportion of courses specific to architecture is limited. The transition to the second year Bachelor of Science in Engineering degree thus remains possible, and vice versa.

The course offered at the FPMs is based on the dual personality of the architectural engineer: an engineer (ingénieur civil), and therefore both a scientist and an engineer, but also an architect, sensitive to aesthetic, artistic and human considerations.

In addition to solid basic scientific education, the architectural specialism is developed through courses relating to construction techniques: structural calculations, production methods and materials, technical aspects of buildings (air conditioning, lighting, thermal insulation etc.). This solid technical knowledge will enable the architectural engineer to be actively involved in major construction projects other than traditional housing.

In addition, classical architecture is not left out: history of architecture, aesthetic philosophy, architectonic composition... all of which will enable the architectural engineer to design buildings that are not only viable and functional, but also original, pleasing to their occupants and well suited to their environment.

Creativity is developed intensively. Every year, including the first, students will have to complete architectural projects, which will increase in scale and include more aspects as the course progresses.

Master programme

Today, the Architectural Engineer plays the main role in the field of urban design. The versatile character of the training opens the way to several types of professional career. The architectural engineer's job deals with the design and the construction of buildings such as family houses, large residential complexes, office buildings, exhibition halls or leisure buildings. Moreover, his skills refer to civil engineering tasks such as draining, road network, foundation, or footbridge. He offers his know-how in consultancy, freelance or in a design office, in an architecture office or in a construction company.

During his professional activities, the architectural engineer takes care of the comfort of the users, but also of his environment by proposing innovative solutions regarding the architecture of the building: lighting, acoustics, air conditioning, heating and ventilation.

His artistic sensibility and his knowledge of architectural culture bring him round to dealing with urban and rural renovation, rehabilitation of old buildings and to proposing adequate solutions for town and country planning. He is also involved in public administration in the urbanism council of the cities.

Creativity and rigour

The training provides a strong creative spirit and a deep knowledge of the engineering techniques. Both aspects are complementary; they are commonly developed along the training and reinforced by several university exchanges (ERASMUS, TIME, in collaboration with high schools, universities or industries). Creativity is highlighted through several architectural projects, carried out individually or collectively. The main subjects of the curriculum lead to an all-rounded education: Human sciences, Architectural act, and Engineering and structural design.

Special techniques and environmental aspects contributing to personal welfare and ensuring reliable use : ventilation, air cooling, thermal insulation, traditional or alternative heating systems (heat pumps, bioclimatic buildings), ecology, public and domestic lighting, domotics, acoustics, noise reduction.

PhD programme

There is no PhD programme at this time.