

Join the Master in Pharmaceutical Engineering

Because

- ◊ You want to gain both pharmaceutical and engineering knowledge to develop pharmaceutical production processes of the future, for tomorrow's drug products and supply needs.
- ◊ You are passionate about the development of innovative and science-based pharmaceutical production technologies, production methods and solutions for small and large drug molecules and products.
- ◊ You want to be a part of the major transition pharmaceutical production processes will need to undergo. The MPE will help you acquiring all skills and knowledge that you need to implement novel manufacturing concepts that require a high degree of digitalisation and automation.



Become

The Master of Science in Pharmaceutical Engineering will prepare you to become:

- ◊ a top-level designer and developer of innovative, flexible, cost-efficient, automated and sustainable processes for the production of future complex and individualized drug products.
- ◊ a representative of the link between drug development and production.
- ◊ a world citizen with an international network of (future) professionals: the programme is joined by students from several parts of the world.



Benefit

The Master in Pharmaceutical Engineering offers:

- ◊ a unique combined training of pharmaceutical and engineering skills.
- ◊ amazing opportunities to get a good position in the pharmaceutical industry.
- ◊ a chance to become an excellent PhD candidate.

Be involved

Semester 1 & 2 (Sept - June)

General courses (50 - 54 ECTS)

Elective courses (14 - 18 ECTS)

Semester 3 & 4 (Sept - June)

General courses (22 ECTS)

Elective Courses (14 - 18 ECTS)

Master Dissertation (30 ECTS)



Admission criteria

For students holding a Flemish degree

The programme is open to holders of an academic Bachelor degree (minimum 3 years or 180 ECTS credits) in the field of pharmaceutical sciences, bio-science engineering, chemistry, bio-industrial sciences and bioscience engineering technology.

For international students

International students with similar previous education must be able to demonstrate through their transcripts that they received basic science training in the following fields: (i) Mathematics, and/or basic statistics; (ii) Physics; (iii) Organic chemistry; (iv) Biochemistry; (v) Inorganic chemistry; (vi) Analytical chemistry. Some lab experience is required too.



Language requirements

The applicant must be proficient in the language of the course or training programme, i.e. English.

- ◇ TOEFL 580 (paper-based)
- ◇ TOEFL 92 (internet-based)
- ◇ TOEFL 237 (computer-based)
- ◇ IELTS: 6.5



Cost

- ◇ Tuition fee: fees are subject to annual revision. Please consult www.ugent.be/tuitionfee.
- ◇ Estimated living & accommodation expenses: min € 950 per month.

Scholarship opportunities

Visit www.itc.ugent.be or check for opportunities in your own country.

Apply now!

Apply **before April 1st**
(for applicants who need a visa)
or **before June 1st** (for applicants
who don't need a visa).

Questions?
admission@ugent.be



Please take into account that
the processing time of your
application could take up to 2
months. An early start is highly
recommended.

V.U. - Wim Hoste, Ghent University, Faculty of Bioscience Engineering,
Coupure links 653, B-9000 Ghent, Belgium

"The pharmaceutical sector states that there is an increasing need for people with combined pharmaceutical and engineering skills as the medicines of the future become more complex, more personalized, and require new sustainable production methods and technologies to be developed. An interdisciplinary approach, combining pharmaceutical and engineering disciplines and expertise, is essential here. The Master of Science in Pharmaceutical Engineering program is a unique program in Flanders and Belgium that integrates the substantive focus, knowledge and expertise on 'pharmaceutical engineering' in one program and will therefore clearly differentiate itself from all other existing pharmaceutical and engineering Master's programs."



Prof. Dr. Thomas De Beer, Belgium

Contact & info

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