MASTER OF SCIENCE IN CHEMISTRY ((BIO)ORGANIC AND POLYMER CHEMISTRY)

120 ECTS CREDITS - LANGUAGE: ENGLISH

FACULTY OF SCIENCES

2025-26

WHAT

(Bio)Organic and Polymer Chemistry focuses on molecules: how to synthesize and understand them, how to adapt them and use them for biological applications, and how to bring them together to form macromolecular entities and polymers. We start with experimental and analytical organic chemistry (carbon chemistry), with a focus on the latest developments and techniques, and move to modified DNA and renewable or “smart” plastic materials. (Bio)Organic and Polymer Chemistry prepares you for a career in the fine chemicals industry, in the pharma and life science industry, or in the polymer industry.

STRUCTURE

Half of the curriculum consists of project-based education. Already in the first-year curriculum, you will take a start with your Master’s dissertation. You end the Master’s programme with a full-term work placement, which you can complete at a company or a foreign research laboratory.
In addition to the (domain) Master’s programme described above, you can also choose a Master’s Programme in Teaching (in Dutch: Educatieve Master). The Educatieve Master, however, is a Dutch-taught programme. Find out more at www.ugent.be/educatievemaster (in Dutch).

LABOUR MARKET

It is a fact that chemistry plays an important role in various branches of industry, which in turn, are crucial to the economy and employment. Take, for instance, the chemical industry, the pharmaceutical industry, or agriculture.
Our broad academic programme ensures that our graduates find employment opportunities in different branches of industry.
Their career opportunities are as ample as they are diverse. Chemistry graduates can for instance be involved in academic research, product development, quality control … or they can take on managerial positions in companies as well as in government agencies. In addition, they are also well-equipped for a career in the public sector, including education. The most important assets of university graduates in Chemistry are their research-mindedness, their problem-solving skills and their polyvalence.

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TOELATINGSVOORWAARDEN VOOR HOUDERS VAN EEN VLAAMS DIPLOMA

1 **Rechtstreeks:**
- Bachelor in de chemie

2 **Na het met succes voltooien van een voorbereidingsprogramma:**
aantal studiepunten te bepalen door de faculteit
- Bachelor in de bio-ingenieurswetenschappen, afstudeerrichting: chemie en voedingstechnologie
- Bachelor in de biochemie en de biotechnologie
- Bachelor in de biomedische wetenschappen
- Bachelor in de farmaceutische wetenschappen
- Bachelor in de industriële wetenschappen: chemie
- Bachelor in de ingenieurswetenschappen, afstudeerrichting: chemische technologie en materiaalkunde

3 **Na het met succes voltooien van een schakelprogramma:**
aantal studiepunten te bepalen door de faculteit
- Bachelor in de chemie

ADMISSION REQUIREMENTS FOR INTERNATIONAL DEGREE STUDENTS

The course is open to students with at least a bachelor's degree in the field of chemistry with minimum 180 credits.

Information on admission requirements and the administrative procedure for admission on the basis of a diploma obtained abroad, can be found on the following page: www.ugent.be/prospect/en/administration/enrolment-or-registration.

LANGUAGE REQUIREMENTS

Language requirements	Dutch: no language requirements English: CEFR level B2

The language requirements for this study programme can be found on: www.ugent.be/languagerequirements

PRACTICAL INFORMATION

Study programme
studiekiezer.ugent.be/master-of-science-in-chemistry-bio-organic-and-polymer-chemistry-en/programma

Information sessions
Graduation Fair
afstudeerbeurs.gent/en/students/further-studies

Enrolling institution
Information on enrolment at Ghent University.

Application Deadline (for International degree students)
For students who **need a visa**: before 1st of April
For students who **do not need a visa**: before 1st of June
Read more

Tuition fee
More information is to be found on: www.ugent.be/tuitionfee

Learning path counsellor
Sanne Kiekens
T 09 264 50 53
traject.we@UGent.be

Contact (for international degree students)
www.ugent.be/admission