

MSC IN MEDICINAL CHEMISTRY*

A CREATIVE, COLLABORATIVE AND RESEARCH-ORIENTED APPROACH TO CHEMISTRY

> I specialised in organic synthesis (chemistry) at university, which isn't what I am working with at present, but I will need it in the future. My university education has enabled me to pick up new things – in other words, to understand and get to grips with new topics and physical knowledge.

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MSc in Medicinal Chemistry
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Aarhus University's MSc in Medicinal Chemistry builds on a strong chemical foundation and constitutes a flexible study programme that can be tailored to the specific interests of the individual student, while aligning with the interests of the business community, research institutions and the public sector. While the programme is customisable, there is an emphasis on the medicinal aspects of chemistry, such as organic synthesis, drug delivery, and protein structure and function.

LEARN FROM LEADERS IN THE FIELD

Course content is heavily influenced by the latest research conducted at Aarhus University, as all lecturers are also active researchers. Students are expected to engage in fundamental research projects with research groups in the department, and there may be opportunities to work with private companies or public institutions during their studies. Students will be able to specialise within one area of medicinal chemistry in which Aarhus University is particularly strong, such as organic synthesis, analysis of new bioactive compounds, structure and activity of membrane bound proteins, microscopic structure of bones and other bioinorganic materials, modelling of proteins and their interaction with pharmaceuticals, or drug delivery and chemical biology.

PROGRAMME STRUCTURE

Students enrolled in the MSc Medicinal Chemistry programme participate in courses and then complete their studies with one academic year

conducting independent research within a research group under the supervision of a department researcher, or with an external partner.

STUDENT LIFE

Chemistry students quickly become acquainted with Alkymia, the department's student association, which hosts a weekly Danish Friday bar and organises a range of exciting social events. The Mathematics/Physics Student Council also organises regular academic events for chemistry students.

CAREERS

Medicinal chemistry graduates go into R&D and consultancy jobs across the public and private sectors; several graduates are working in pharmaceutical or biotechnology companies. You will be well placed as a graduate of the programme to work with companies such as Novo Nordisk, Novozymes, LeoPharma and Lundbeck. Your strong chemistry background will also give you a point of entry into careers with companies in other sectors, such as DuPont, Chr. Hansen, and Eurofins. There are more chemistry openings in Denmark than there are domestic graduates to fill them, making unemployment very low for graduates in medicinal chemistry.



PLACE OF STUDY

Aarhus

ANNUAL TUITION FEE

EU/EEA/Swiss citizens: FREE
Others: EUR 13,500

WWW

masters.au.dk/medicinalchemistry