

UNIVERSITY OF COPENHAGEN  
FACULTY OF HEALTH AND MEDICAL SCIENCES



# MASTER OF INDUSTRIAL DRUG DEVELOPMENT

# MASTER THE INDUSTRIAL DRUG DEVELOPMENT PROCESSES

---

## CONTINUE YOUR PROFESSIONAL DEVELOPMENT

**Understand the entire drug development process from molecule to market access.**

Drug development is a long, complex process requiring the interaction of numerous specialist fields. Skilful coordination of all the disciplines involved, from early target identification and validation through safety and efficacy testing to market access, can streamline the production of new medicines.

*“Incredibly skilled teachers, great presentations and a high level of professionalism. You can feel how dedicated the lecturers are, and many of their presentations are so good that you can use them in your own business.”*

- Anne Rikke Ibsen Jensen, Product Information Manager, IWA Consulting

## PARTICIPANTS

The Master of Industrial Drug Development (MIND) is aimed for professionals working in the biotech, pharmaceutical or medico industries or in clinical research institutions.

The programme is designed to meet the need for managers and researchers to coordinate the various aspects of the drug development process in order to accelerate and smooth the transition of candidate drugs to market.

## PROGRAMME STRUCTURE

This 60 ECTS credits master's programme (equivalent to 1 year of full-time study) is designed to be completed within 2 to 6 years of part-time study.

The programme consists of compulsory courses, elective courses and a master's project. You can sign up for the full programme or individual courses.

You are free to take the courses in whichever order you choose. It is recommended that you start with Discovery and Development of Medicines if you are new in this area. Please be aware, that most courses are available only every second year.

## ON CAMPUS ACTIVITY

All courses require some on-campus activity in Copenhagen, Denmark. The class-room attendance ranges from 5 days to 2 weeks. You will be taught by leading experts from both the industry and academia.





*“If you want to work with drug development and have a background in research, Master of Industrial Drug Development is a great way to refresh your memory in regard to the different drug development phases.”*

- Tine Bryan Stensbøl, Senior Vice President, Lundbeck

## COURSES

You are expected to prepare both for each course before the first day of lectures and for the exam, which is held after each course.

The courses combine self-study with lectures, seminars, theoretical exercises and/or individual assignments.

For the individual assignments, you will work independently and often on a topic of your own choice, preferably relevant to both you and the company you work for.

<b>Compulsory courses</b>	<b>30 ECTS</b>
<b>Clinical Pharmacology and Biostatistics</b>	<b>5 ECTS</b>
<b>Discovery and Development of Medicines *</b>	<b>5 ECTS</b>
<b>Drug Discovery</b>	<b>3 ECTS</b>
<b>Drug Formulation and Delivery</b>	<b>4 ECTS</b>
<b>Drug Regulatory Affairs in Drug Development</b>	<b>2.5 ECTS</b>
<b>Non-clinical Safety and Toxicology</b>	<b>2.5 ECTS</b>
<b>Pharmacology</b>	<b>2.5 ECTS</b>
<b>Process Development and Production of Active Pharmaceutical Ingredients (API)</b>	<b>3 ECTS</b>
<b>QA QC GXP for Pharmaceutical Production</b>	<b>2.5 ECTS</b>
<b>Elective courses</b>	<b>10-18 ECTS</b>
<b>Master's project</b>	<b>12-20 ECTS</b>

\*Available every year; all other courses are available only every second year.

*"It is essential that employees in the pharmaceutical industry understand the whole drug development process in order to appreciate their colleagues' perspectives and objectives, to collaborate optimally and to be capable of making the right project decisions - through this master's programme they acquire the necessary insights and skills."*

- Søren Bregenholt, Corporate Vice President, Novo Nordisk



## COMBINING INDUSTRY AND ACADEMIA

The Master of Industrial Drug Development is developed in a close collaboration with the pharmaceutical industry and combines outstanding academic-based research with an extensive contribution from leading experts from the pharmaceutical industry.

## APPLICATION DEADLINE

Programme application deadline:

1 November every year.

Course application deadline:

8 weeks prior to course start.

## FOR FURTHER INFORMATION

Visit [mind.ku.dk](http://mind.ku.dk) or contact [master@sund.ku.dk](mailto:master@sund.ku.dk).

[mind.ku.dk](http://mind.ku.dk)