

DEGREE REQUIREMENTS

Students who have obtained the right to study in the Master's Degree Programme in Bioinformatics in Autumn 2009 will follow these requirements. Requirements for TKK can be found in the study programme of TKK.

MASTER OF SCIENCE DEGREE (120 CREDITS)

1. Major subject studies (minimum of 70 credits)

584329 ADVANCED STUDIES IN BIOINFORMATICS (70 CREDITS)

582606 Introduction to bioinformatics, 4 cr

582604 Practical course in biodatabases, 4 cr

Optional advanced courses in bioinformatics (other than seminars), minimum of 16 cr

Seminars, 6 cr

50151 or 57631 Master's thesis, 40 cr, containing

993734 Academic Writing for Students in English-Medium Master's Degree Programmes 1, 2 cr

993735 Academic Writing for Students in English-Medium Master's Degree Programmes 2, 2 cr

58307312 Master's thesis seminar, 3 cr

50041 Maturity test

2. Minor subject studies (minimum of 40 credits)

584330 MINOR SUBJECT STUDIES IN BIOINFORMATICS (40 CREDITS)

A minimum of 40 credits of the following subjects, in accordance with an approved personal study plan (FM-HOPS)

- Computer science
- Mathematics and statistics
- Biology, medicine or other suitable subject

3. Other studies (minimum of 2 credits)

Personal study plan (FM-HOPS), 1 cr

Advanced internship or vocational orientation studies, 1–3 cr

Optional courses

An additional requirement is that Bachelor's and Master's degree together must contain

Studies in biology, medicine or other suitable subjects, minimum of 25 credits

Studies in mathematics, statistics and computer science, minimum of 60 credits

Degrees

The basic degree offered by the MBI programme is Master of Science (in HY: MSc, filosofian maisteri; in TKK: MSc (Tech), diplomi-insinööri), with bioinformatics as the major subject. The scope of the degree is 120 credits, and requires a suitable Bachelor's level degree as a prerequisite.

The MSc degree consists of a minimum of 70 credits of advanced studies in bioinformatics and a minimum of 40 credits of minor subject studies, including biology, computer science and mathematics. Both the MSc degree and the MSc (Tech) degree have been designed to be as similar as possible. The biological minor subject courses are offered by the Faculties of Biosciences, Medicine as well as Forestry and Agriculture at the University of Helsinki.