



Faculty of Medicine

MAMMV, Master's Programme in Medical Science, 120 credits

Masterprogram i medicinsk vetenskap, 120 högskolepoäng

Second cycle degree programme requiring previous university study / *Program med akademiska förkunskapskrav och med slutlig examen på avancerad nivå*

Decision

The programme syllabus is established by Undergraduate Education Board, Faculty of Medicine 30-08-2019 to be valid from 01-01-2020, autumn semester 2020.

Programme description

The Master's programme in medical science comprises seven main fields of study: Audiology; Nursing; Occupational Therapy; Physiotherapy; Radiography; Reproductive, Perinatal and Sexual Health; and Speech and Language Pathology.

The objective of the programme is to enable students to further advance their knowledge and understanding, competence and skills, judgement and approach within their main fields of study. It prepares students for advanced assignments within the healthcare sector and for initiating and conducting change management and implementation of research within medical science and health sciences. Furthermore, the programme prepares students for independent research and innovation.

The programme is international and has an interprofessional orientation, focusing on collaboration and teamwork leading to specialised knowledge, skills and judgement within the respective main field. Emphasis is placed on evidence-based practice, e-health and innovations.

The programme is run full-time and is taught in English. Self-directed study is a core element, which means that campus activities are mixed with independent study. The programme is mainly based on a set combination of courses (see appendix). Within each course, the student is to specialise and apply knowledge within their main field. Moreover, the independent project (degree project) provides opportunity for

specialisation within the main field. The programme also includes elective courses.

Goals

On completion of the programme, the student is to have attained the outcomes stated in the Higher Education Act and the Qualifications Ordinance of the Higher Education Ordinance (SFS 1993:100 with later amendments).

Knowledge and understanding

For a Degree of Master (120 credits) the student shall

- demonstrate knowledge and understanding in the main field of study, including both broad knowledge of the field and a considerable degree of specialised knowledge in certain areas of the field as well as insight into current research and development work, and
- demonstrate specialised methodological knowledge in the main field of study.

Competence and skills

For a Degree of Master (120 credits) the student shall

- demonstrate the ability to critically and systematically integrate knowledge and analyse, assess and deal with complex phenomena, issues and situations even with limited information,
- demonstrate the ability to identify and formulate issues critically, autonomously and creatively, as well as to plan and, using appropriate methods, undertake advanced tasks within predetermined time frames and so contribute to the formation of knowledge as well as the ability to evaluate this work,
- demonstrate the ability in speech and writing both, nationally and internationally, to clearly report and discuss his or her conclusions and the knowledge and arguments on which they are based in dialogue with different audiences, and
- demonstrate the skills required for participation in research and development work or autonomous employment in some other qualified capacity.

Judgement and approach

For a Degree of Master (120 credits) the student shall

- demonstrate the ability to make assessments in the main field of study informed by relevant disciplinary, social and ethical issues and also to demonstrate awareness of ethical aspects of research and development work,
- demonstrate insight into the possibilities and limitations of research, its role in society and the responsibility of the individual for how it is used, and
- demonstrate the ability to identify the personal need for further knowledge and take responsibility for his or her ongoing learning.

Local outcomes

On completion of the programme, the student shall

- demonstrate the ability to participate in interprofessional learning and collaboration,
- be able to plan, analyse and evaluate evidence-based practice and e-health

- interventions, and
- demonstrate the ability to contribute to the development of various kinds of innovations.

Course information

Semester 1

Medical science 7.5 credits. The course includes an introduction to the theory of science, research design and research ethics. Among other focus areas are academic writing and academic integrity, diversity in research topics, the sustainable development goals and the role of research in society.

Evidence-based practice I 7.5 credits. The course deals with models and methods of planning, analysis and evaluation of evidence-based practice. Using a framework of models and methods of evidence-based practice, the students pursue specialised study in their respective main fields.

Health and health promotion 7.5 credits. The course comprises theories, definitions of concepts and perspectives on health. Furthermore, it includes models and methods of health promotion. Using these frameworks, the students pursue specialised study in their respective main fields.

Qualitative research methodology 7.5 credits. The course introduces the theoretical foundation of and different perspectives on qualitative research methodology. It comprises different methods to collect and analyse qualitative data and ethical perspectives on qualitative research methodology and study design.

Semester 2

Biostatistics 7.5 credits. The course serves as an introduction to biostatistics and its fundamental assumptions. Furthermore, the course introduces methods for the design of statistical investigations, data collection and analysis, and ethical perspectives on quantitative methods and study design.

Assessment and evaluation 7.5 credits. The course focuses on theories, models and methods for assessment and evaluation in medicine and health sciences. Using these frameworks, the students pursue specialised study in their respective main fields. The course includes specialisation in research design and qualitative and quantitative methodology, and application of different theories and definitions.

E-health and digital solutions 7.5 credits. The course focuses on the concept of e-health and theories and models for the development and implementation of digital solutions to support participation. The students will apply these models and theories to their respective main fields.

Elective course 7.5 credits.

Semester 3

Evidence-based practice II 7.5 credits. The course enables the students to specialise the knowledge and skills acquired on the course Evidence-based practice I, focusing especially on evaluation and implementation.

Complex interventions 7.5 credits. The course focuses on the model of complex

interventions introduced by the British Medical Research Council. Using the framework for development and implementation of complex interventions provided by the model, the students pursue specialised study of interventions in their respective main fields. The course includes specialisation in research design and methodology, health and health promotion, assessment and evaluation.

Leadership and innovation 7.5 credits. The course deals with theories and models of leadership. Furthermore, the course includes definitions and processes for the development and implementation of different types of innovation.

Independent project (degree project) 30 credits, component 1, 7.5 credits.

Component 1 of the degree project comprises drafting and assessment of the project plan.

Semester 4

Independent project (degree project) 30 credits, component 2, 22.5 credits. The component comprises data collection, analysis and writing of a report, and assessment of the completed degree project.

Elective course 7.5 credits.

Independent project (degree project)

A requirement for the award of a degree of Master (120 credits) is completion by the student of an independent project (degree project) for at least 30 credits in the main field of study.

Additional information in appendix MAMMV-Programme-syllabus-autumn-2020.

Degree

Degree titles

Degree of Master of Medical Science (120 credits)

Major: Audiology

Major: Nursing

Major: Occupational Therapy

Major: Physiotherapy

Major: Radiography

Major: Reproductive, Perinatal and Sexual Health

Major: Speech and Language Pathology

Medicine masterexamen

Huvudområde: Arbetsterapi

Huvudområde: Audiologi

Huvudområde: Fysioterapi

Huvudområde: Logopedi

Huvudområde: Omvårdnad

Huvudområde: Radiografi

Huvudområde: Reproduktiv, perinatal och sexuell hälsa

Students who have completed and passed the required courses are awarded the degree of Master of Medical Science (120 credits) in the relevant main fields of study.

The course requirements include second-cycle courses comprising at least 30 credits within the main field, an independent project (degree project) of 30 credits, and other courses of at least 60 credits.

On completion of the degree of Master (120 credits), the student must meet both the national and the local learning outcomes for the programme.

A student who has completed and passed the courses in the programme, in accordance with the outcomes stated above, corresponding to 120 credits, is awarded, on application, the degree of Master of Medical Science (120 credits) with a major in Audiology, Nursing, Occupational Therapy, Physiotherapy, Radiography, Reproductive, Perinatal and Sexual Health, or Speech and Language Pathology.

A student who has completed and passed courses in the programme corresponding to 60 credits (including at least 15 credits within the main field and an independent project (degree project) of 15 credits) is awarded, on application, the degree of Master of Medical Science (60 credits) with a major in Audiology, Nursing, Occupational Therapy, Physiotherapy, Radiography, Reproductive, Perinatal and Sexual Health, or Speech and Language Pathology.

Requirements and Selection method

Requirements

To be admitted to the programme, students must meet the general entry requirements for higher education in Sweden and have a degree in Occupational Therapy, Audiology, Physiotherapy, Speech and Language Pathology, Nursing, Radiology Nursing or equivalent to a Bachelor's degree (180 credits). English proficiency, equivalent to English course 6/B from Swedish upper-secondary school is also a requirement.

Selection method

Based on a total evaluation of the applicant's academic merits including a motivation letter and a program specific application profile. In the case of equal merits the drawing of lots will be made. All merits claimed need to be verified by valid documents. Since the program is multidisciplinary it is necessary to obtain an equal distribution of students from the different main fields. In the selection the number of admitted students will be as evenly distributed as possible. An equal number of places will therefore be offered to each main field. In cases where no main field can fill their places, they will be distributed among the other main fields in relation to the number of qualified applicants from each of these fields..

Course overview

Master's Programme in Medical Science (120 credits)

Applies from autumn semester 2020

Semester 1	Semester 2	Semester 3	Semester 4
Medical science 7.5 credits	Biostatistics 7.5 credits	Evidence-based practice II 7.5 credits	Independent project (degree project), component 2 22.5 credits
Evidence-based practice I 7.5 credits	Assessment and evaluation 7.5 credits	Complex interventions 7.5 credits	
Health and health promotion 7.5 credits	E-health and digital solutions 7.5 credits	Leadership and innovation 7.5 credits	
Qualitative research methodology 7.5 credits	Elective course 7.5 credits	Independent project (degree project), component 1 7.5 credits	Elective course 7.5 credits