



**Semester description for:
3rd semester - Master's in science in Medicine with Industrial Specialisation - Fall
2024**

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| <p>Semester details The study curriculum: Master of Science in Medicine with Industrial Specialisation</p> |
| <p>Semester framework theme The second year of the Master's (3rd and 4th semester) focuses on independently performing relevant scientific studies, which take place in a research environment, abroad, and/or in a public or private company. The theme of the project is freely chosen by the students but will be building on acquired knowledge and skills obtained throughout the earlier semesters. Upon completion of the Master's project, the student should be at a level to enter the academic/industrial market.</p> |
| <p>Semester organisation and time schedule The semesters are organized so students either perform two 30 ECTS projects or one 60 ECTS project. These are assessed in the form of a written report that is examined by an oral examination with internal and/or external censors. During the semesters, the student will work on the scientific project with adequate supervision from their supervisor. All master projects must be approved by the supervisor and the study leader. If master students collaborate with external partners (outside institute for Health Science and Technology; HST), an external contact person and a HST supervisor are required. No courses are planned during this period. During the autumn the students are expected to participate in semester group meetings and the event MedIS opportunity, which will serve as the status seminar.</p> |
| <p>Semester coordinator and secretariat assistance Semester coordinator: Simone Riis Porsborg, sriis@hst.aau.dk, Department of Health Science and Technology Semester secretary: Dorthe Skree, dsk@hst.aau.dk, Department of Health Science and Technology Student representative: Please check semester details on Moodle.</p> |

Module description (description of each module)

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| Profile Biomedicine, BM; Translational Medicine, TM; Medical Market Access, MMA Master's Thesis / Kandidatspeciale 30 ECTS project module or 60 ECTS project module |
| Location Master, Medicine with Industrial Specialisation, 3rd Semester Study Board for Medicine |
| Module coordinator Simone Riis Porsborg sriis@hst.aau.dk Department of Health, Science and Technology. |
| Type and language The projects should preferably be written in English, although Danish is allowed in agreement with the supervisor. |
| Objectives <u>From Curriculum:</u> After completing <u>30 ECTS</u> 3 rd semester project, the student is expected to: SKILLS Design a scientific study to address the identified medical problem. Argue for the choice of methods applied in the project. COMPETENCES Reflect on the relevance of the scientific medical problem. Ability to manage the project in collaboration with groups of relevant professionals. After completing the master project (30 or 60 ECTS), the student is expected to: COMPETENCES Create and organise knowledge flow to facilitate the realisation of the scientific study. Critically evaluate existing studies relevant to the identified scientific problem Criticise the design of the scientific study and discuss potential pit falls and improvements. Reflect on the process of own learning in relation to the realisation of the project. Reflect on own need for development and suggest steps to facilitate this development. |
| Academic content and conjunction with other modules/semesters The 3rd and 4th semester requires the student to use the skills and knowledge acquired from their bachelor's and the first 2 semesters of their Master's. New skills and techniques are often introduced during this time. |
| Scope and expected performance. 60 ECTS = 1800 hours 30 ECTS = 900 hours |
| Participants Students on 3rd and 4th semester Medicine with Industrial Specialisation (MedIS) Biomedicine Translational Medicine Medical Market Access |
| Prerequisites for participation A completed bachelor's degree (B.Sc.) in Medicine, Biotechnology, Molecular Medicine, MedIS, or similar. |
| Module activities (course sessions etc.) This module does not include any planned teaching activities. The student is expected to work full-time with the help and guidance of their supervisor to achieve the research aims outlined in the project description. It is expected that the student identifies their own need for learning and seeks out learning activities meeting these. |

Examination

Oral individual or group examination

During the exam both the supervisor and maybe co-supervisor will be present together with an Internal (for 3rd) or external examiner (for 4th)

During the project period, the students will write a project and hand it in using "Digital Eksamen" –

The exam is initiated by the students giving a scientific presentation of their project, followed by questioning by the examiners.

There is 60 min available in total for each student covering: student presentations, questioning by examiners and grading. As an example, a group of 2 students will be examined for 2 x 60 min = 2 hours covering student presentations, questioning by examiners, and grading.

The project will be evaluated using the 7-point grading scale and the grade will be given individually and based on an overall assessment of:

- The written project
- The individual student presentation of the project
- The individual performance of the students during the oral examination

For further information about the examination, we refer to [Digital Eksamen \(DE\)](#).