

April 2025

Regulations for the master's degree Programme in Biomedical Engineering

This document contains, supplemented with the University of Copenhagen course catalog (<https://kurser.ku.dk>), descriptions of the courses and exams of the master's degree Programme of Biomedical Engineering conducted at the Faculty of Health and Medical Sciences, University of Copenhagen.

Further information about the master's degree Programme in Biomedical Engineering is available through the Technical University of Denmark (DTU) webpage in this link: [Curriculum for Biomedical Engineering](#)

Study and exam activities

The MSc in Biomedical Engineering comprises the following courses and exams offered by the Faculty of Health and Medical Sciences at The University of Copenhagen:

First and second semester

Course title and code	Course certificate (exam 1) and code	ECTS	Exam (2) and code	ECTS
Pathophysiology (Mandatory course) SMTK12011U			Exam: Pathophysiology SMTK12011E	10
Biomechanics and Neural Control of Human Movement (Elective course) SMTK21001U			Exam: Biomechanics and Neural Control of Human Movement SMTK21001E	10
Radioactive Isotopes and Ionizing Radiation (Elective course) NFYK14039U			Exam: Radioactive Isotopes and Ionizing Radiation (Elective course) NFYK14039E	7,5

Third and fourth semester:

Course title and code	Course certificate (exam 1) and code	ECTS	Exam (2) and code	ECTS
<u>Medical Use of Radiation</u> (Elective course) SMTK20003U	Course certificate <u>Medical Use of Radiation</u> SMTK20003E	5	Exam: <u>Medical Use of Radiation</u> SMTK20004E	5
<u>Advanced Physiological Modelling</u> (Elective course) SMTK20001U	Course certificate <u>Advanced Physiological Modelling</u> SMTK20001E	2,5	Exam <u>Advanced Physiological Modelling</u> SMTK20002E	7,5
<u>Master's Thesis</u> 30 ECTS SMTK12041E			Exam: <u>Master's Thesis</u> 30 ECTS SMTK12041E	30
<u>Master's Thesis</u> 32,5 ECTS SMTK15001E			<u>Master's Thesis</u> 32,5 ECTS SMTK15001E	32,5
<u>Master's Thesis</u> 35 ECTS SMTK12042E			<u>Master's Thesis</u> 35 ECTS SMTK12042E	35

Instruction and exam languages

The MSc programme is conducted in English

Master's thesis

The master's thesis is the final assignment of the master's Study Programme. The objective is to give the student an opportunity to use the acquired knowledge independently in a major assignment.

The supervision process includes communication of the learning goals of the master's thesis. The master's thesis and its oral defense shall document that the student satisfies Programme objectives regarding the use, elaboration and dissemination of specialized knowledge.

The master's thesis may not be initiated until the student has completed courses equivalent to 55 ECTS points of the master's Programme.

At the assessment of a master's thesis, the academic contents shall carry the greatest weight. The student's ability to express her or himself is also assessed, but weighs less, while correct spelling is only of limited importance. The report and oral exam are assessed together as one unit.

The master's thesis must as a minimum equal 30 ECTS credit points but may be 32½ or 35 ECTS credit points

Exemptions from these provisions

In exceptional circumstances, the Study Board at DTU may grant exemptions from any curriculum provisions within the sole remit of the Study Board.

Date of commencement

These regulations take effect from 1. September 2025.