

Master Study Program Biomedical Engineering

Research Internship Guidelines

for students of the joint international master study program Biomedical Engineering
of the Lübeck University of Applied Sciences and the Universität zu Lübeck

§ 1 Scope

These research internship guidelines regulate the internship objective, contents, prerequisites and verification of the research internship on the basis of the examination regulations for students of the Biomedical Engineering joint international master study program of the Lübeck University of Applied Sciences and the Universität zu Lübeck.

§ 2 Objective

(1) Through the research internship, the students of the Biomedical Engineering master study program have the opportunity to gain practical experience in the application of research methods in future fields of work. It serves as proof of engineering practice in the area of medical technology. The research internship thereby provides an important contribution to the achievement of the study objectives. A further important objective is the preparation of results for presentation at the Lübeck Student Conference, which takes place on the campus in March of each year.

§ 3 Start and Duration

(1) Before beginning the research internship, students must submit an internship application - including a short project description, the approval for publication by the institute or company as well as a schedule - to the study coordinator (personally or via email). The form can be found on the study program's website (www.bme-master.com). Students are required to have an academic supervisor who is lecturer at one of the two universities. The study coordinator forwards the applications to the research internship representative for approval by the Examination Committee.

(2) The research internship is scheduled for the third semester at the standard study plan.

(3) The research internship must have a duration of at least sixteen full-time work weeks. A longer duration is possible and does not require an approval by the Examination Committee of the study program.

(4) The research internship can be completed in two parts of eight weeks each, at different institutes. In this case, research reports are to be submitted for each of the internships.

§ 4 Location

The research internship can be conducted in laboratories and institutes of the participating universities as well as in external institutions (universities and companies) in Germany or abroad.

§ 5 Contents

- (1) The research internship is intended to introduce the students to the occupational fields of engineers with a master's degree in biomedical engineering, with an underlying focus on research and development. However, the students should also gain insights into the technical conditions and organizational interdependencies which are important for their future activities, such as: aspects of management and marketing, quality management, workflow, equipment use, organization, and collaboration with other departments at both a national and international level.
- (2) The research internship must demonstrate a discernible link to the study contents. Here, the main emphasis is on the relation to medical technology.
- (3) Students should be fully integrated into the work flow and should not occupy a special position.
- (4) The research internship must be self-contained and should have distinct contents from that of the master thesis.
- (5) The internship contents may be freely selected by the students, taking this guideline into consideration. The planned contents of the research internship are to be presented by the students to the research internship representative in the form of a written application, before they are admitted. In case of denial the student will be informed within two weeks. In the case of deviations from the planned content and internship description during the course of the internship, the supervisor is to be informed immediately, particularly if the approval appears to be jeopardized.
- (6) If the research internship is to be completed at an external institute, they must agree to the presentation of the results at the Student Conference and support the student with the preparation of the submissions (paper, poster, talk), respectively. (<http://www.bio-med-tec.de/studierendentagung.html>)

§ 6 Verification and Acceptance

- (1) The internship work is to be verified. For that purpose the student has to fulfill the following requirements
 - Submit a signed and stamped confirmation of attendance from the institution they stayed with
 - Submit a project report describing the work at the institution (about 30 pages) incl. evaluation of institution at least six week after end of internship
 - Submit a scientific paper of four pages to the student's conference organization committee according to the conference's schedule
 - Support the conference's review process by reviewing other student's contributions
 - Prepare a scientific poster and present this poster at the conference
 - Give a talk at the conference
 - Attend the whole conference and actively review the other students talks