

## Bachelor of Engineering in Biotechnology – 2022

### Bachelor projects – Essential information for external partners

#### Purpose and content

The engineering degree concludes with a bachelor project, which is intended to document the student's ability to independently apply engineering theories and methods within a professionally defined subject. The student must also be able to explain the results obtained in a logical and coherent manner in both written and oral form.

The project work must include an independent, experimental, empirical and/or theoretical treatment of a practical problem of an engineering content relevant for the field of biotechnology. Preferably in collaboration with an external organization or company.

#### Practical conditions & timeframe

A brief **project description** is needed, before the project can be approved and offered to students. This can be sent to Absalon at any time, but preferably in April and May as this is where students begin to select their project.

What to consider when writing a project proposal:

- Relevance for the degree B. Eng. In biotechnology
- Include tasks that can challenge students but also make them 'shine'
- Access to data – can there be any delays? What about confidentiality?
- Access to external laboratories/workshops/facilities – can these cause delays/problems?
- Access to use of specific software – can this be a problem?

A **bachelor project contract** then needs to be made between the student, the external partner and Absalon. The bachelor contract must be signed and approved by the education management before the student can begin the project. Students are responsible for this and have a template available.

Additional contracts between student and external partner can also be made if needed.

Students can work together in a group of max. 2 on a given project.

The bachelor project is normally placed in the autumn semester (September to December) with examination in January.

#### Supervision

An external host of a project will always be expected to provide a scientific supervisor for a student. However, the student will always be associated with a main bachelor supervisor from UC Absalon.

We strongly encourage a good collaborative spirit between internal and external supervisors and regular meetings. All Absalon supervisors are required to set up an introductory meeting with all project parties in the beginning of the project period.

We recommend that sufficient time is allocated for supervision from the external supervisor; an estimate is 40-80 hours per project.

External supervisors are not obliged to take part in the final examination, but are welcome to join in agreement with the main supervisor. The student's final grade will be decided by the external examiner and the main supervisor (UC Absalon).

### **Use of laboratories/workshops or other facilities**

A bachelor project can take place either at the facilities of the external partner or at UC Absalon. If facilities are required from UC Absalon for the project, this should be clarified in connection with completion of the contract.

### **Confidentiality**

If needed an NDA/student project agreement can be made regarding the project work and the outcome; both involving the student (-s) and supervisors. The agreement should be made at the beginning of the project period, and here matters relating to the project report and the final examination should be clarified.

### **Workload and Plagiarism**

All work presented in a bachelor thesis should be work that has been completed by the student during the project period. If work, data, results or similar is presented in the report completed by other people, or completed by the student themselves prior to the project period, then this should be clearly stated and referenced appropriately.

The bachelor project is set at 20 ECTS and thus corresponds to a total working load of approx. 550 hours in the given period. Hence, work presented should be representative of this working load.

### **Contact**

This document is a condensed version of the information on our bachelor projects, if you would like a detailed description of our bachelor guidelines please visit our homepage or contact us directly.

In case of questions, comments etc. please contact:

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