



Information Sheet for Business Partners – Project and Bachelor’s Theses Mechanical Engineering

This Information Sheet governs the procedure for students completing a project thesis or bachelor’s thesis at the Bern University of Applied Sciences Engineering and Information Technology (BFH-TI) on topics suggested by business partners.

1. Scope and timescale for project and bachelor’s theses

Project Thesis 1 (time investment: 180 hours per student)

- Getting to grips with and analysing the assignment
- Creating a requirements catalogue
- Information gathering
- Evaluation of information based on quality and usability
- Developing and evaluating various solutions
- Selecting one of the solutions
- Detailed specialist write-up

Project Thesis 2 (time investment: 120 hours per student)

Supplements Project Thesis 1

- Project planning
- Detailed elaboration of concept variant which is usually further developed and implemented in the bachelor’s Thesis

Bachelor’s Thesis (time investment: 360 hours per student)

- Critical review of the results of Project Thesis 2
- If required, correction and supplementation of results of Project Thesis 2
- Devising of a solution
- Variant reduction and detail planning based on engineering principles
- Implementation of solution
- Evaluation of quality and scientific character of results
- Documentation of work in appropriate form and style (report)
- Presentation of results

Project Thesis 1	Full-time study	Part-time study
Submission of topic suggestions by	Week 24	Week 51
Start	Week 38	Week 8
Completion	Week 3	Week 24

Project Thesis 2	Full-time study	Part-time study
Submission of topic suggestions by	Week 51	Week 24
Start	Week 8	Week 38
Completion	Week 18	Week 44

Bachelor’s Thesis	Full-time study	Part-time study
Start	Week 19	Week 45
Completion	Week 26	Week 3



2. Selection of topic

The business partner suggests the topic.

If the business partner is the student's employer, the topic must not cover the same field that the student works in for his employer. The lecturer decides whether the topic may be taken as it stands, or whether the assignment needs modifying.

The lecturer allocates the topic to the student to work on.

3. Independent work

The theses are completed alone or in small groups of up to three people at the BFH-TI. The place of work is generally the BFH-TI. Permission to work at the business partner's premises may be granted in exceptional cases. Students commit to completing the work independently. All sources of information, including oral sources such as discussions with the business partner, should be detailed in the bibliography. The student keeps a work journal.

4. Supervision

Students are supervised by BFH-TI lecturer. The industry partner will name a contact person. Joint meetings take place as required.

5. Assessment

The 'Problem Definition / Concept', 'Calculation / Theory', 'Execution / Experiments' and 'Report / Presentation' subtasks will be evaluated with equal weighting by the supervising lecturer at the BFH-TI.

6. Agreement

The rights and obligations of the parties involved in the Project Thesis or Bachelor's Thesis (for example intellectual property rights or confidentiality) are governed by an agreement between the Bern University of Applied Sciences Engineering and Information Technology (BFH-TI), the company and the student.

7. Contact

If you have any questions, please contact the Head of Division for Mechanical Engineering, Prof. Roland Hungerbühler (roland.hungerbuehler@bfh.ch, T + 34 426 43 74).