

Final Bachelor Assignment Civil Engineering

Practical experience acquired during the programme is indispensable in terms of preparation for the labour market. After all, it is only in practice that students can experience the relationship between the knowledge and skills they have acquired and their practical application. In addition, working in practice offers insights that learning from books cannot provide. This is why the final bachelor project of the Civil Engineering programme at the University of Twente consists of an assignment of about 3 months outside the university.

Civil Engineering at the University of Twente

The 3-year bachelor's programme in Civil Engineering at the University of Twente offers a multi-disciplinary programme that does not only cover the traditional aspects of Civil Engineering (mathematics, mechanics, hydrology, etc.), but also aspects related to management and processes (law, project management, policy, economy).

As of the first year, this approach is implemented and the various aspects are integrated in project subjects. The final assignment of the programme is an external project of 3 months, resulting in a BSc report. After the 3-year programme, our students have the skills to work as a research or project employee in fairly complex projects.

Objectives of the Final Bachelor Assignment

The main objectives of the assignment are:

- Giving students the opportunity to use the knowledge and skills they have acquired in the field of planning and management and/or design and/or modelling in practice;
- Giving students the opportunity to work systematically according to a research plan they have written themselves and to report adequately;
- Being able to perform in the civil engineering work field by demonstrating adequate oral, writing and communication skills.

In addition, the assignment allows students to experience the work field of a graduated civil engineer, which will provide them with useful information for their future educational and professional choices.

Content of the Final Bachelor Assignment

The student must work on an assignment individually. The starting point is that the student's activities must be useful for you as a client. This is the reason why, in most cases, the outline of the assignment is defined by the client, possibly as part of a more extensive project. Your question/assignment will be discussed with the supervising lecturer of the University of Twente. Before the start of the project, the student must draw up a detailed and documented research plan.

The assignment must relate to one of the following areas:

- Planning or management of (a part of) the construction of a civil object/system

For example: risk analysis of phase X of project Y

- Developing/using a (mathematical) model in relation to a civil object/system

For example: adaptation and use of model X for analysing data for river Y

- Development of a functional design for (a part of) a civil object/system.

For example: analysis of end user requirements for project X

Guidance by your Organization

The idea is that the student is introduced in the same way as a new colleague. In addition, the student must have their own workplace. We also assume that, at least once per week, the progress of the assignment is evaluated with the student. Furthermore we expect that, at the end of the period, the client provides comments on the draft report and conducts a final interview with the student to conclude the assignment. Any comments can be included on the evaluation form (this form will be sent to a client when the assignment nears conclusion).

Additionally, your presence during the examination session would be highly appreciated.

Guidance provided by the University

During the assignment, guidance will be provided by a lecturer who is a specialist in the field of the assignment. During the assignment, the lecturer will keep in contact with the student and the student's supervisor at the company, to monitor the progress of the assignment. Furthermore, the lecturer, if possible, visits the student at their workplace (usually) in the second month. During the examination, the lecturer will evaluate the final report in consultation with a second assessor and the student's supervisor at the organization.

Remuneration and Insurance

The starting point of the Civil Engineering programme of the University of Twente is that the additional costs for the student during the assignment should not be too high. Therefore, we request that you at least reimburse the student for the travel and accommodation expenses.

All students who are doing an internship for the University of Twente are covered by the university's liability insurance. In general, since the student carries out work for the organization, the organization is liable for the risk of accidents. For this reason, many organizations arrange an employment contract with the student to ensure they are covered by the employee insurance schemes.

Report and Confidentiality

The student reports on the assignment in a report of up to 30 pages. At the end of the period, the student will have prepared a draft report. Comments from the organization and the supervising lecturer are incorporated in the report. The student then submits a digital version of the final report. The student provides one copy for the archive of the Students Mobility Centre, one copy for the lecturer for the final assessment, and one copy for the library of the University of Twente. Of course, the supervisor at the organization also receives a copy.

The reason why a copy of the report is added to the library is to give future students an impression of the assignments that have been carried out, but also to show to the outside world what the department does and which organizations we cooperate with. If the report contains confidential information, clear agreements will be made in order to prevent disclosure.

Additional Information

For additional information please contact:

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