



## Information on Bachelor Internships

By offering a student a bachelor internship in your company, you will get a graduate who can be considered almost fully educated, having acquired the qualifications the education comprises. There are no demands in terms of salary during the internship. However, the company is allowed to pay the graduate if they choose to do so.

The internship covers a period of a minimum of 370 working hours which is the equivalent of 10 working weeks. The graduate and company can make their own agreement on how to spend the time in the company and on whether the internship period should be longer etc. The internship is to begin around the start of the semester, i.e. week 5 and week 34.

The company may choose to provide the graduate with an issue or task that the company wants resolved and which the graduate can use in his bachelor thesis. The issue could concern dimensioning a new plant, optimizing an existing plant or facility etc.

The company could also choose to involve the graduate in the daily work or let the graduate participate in or become involved in several projects.

### **The timing of the internship period:**

#### **When, for how long and how many working hours are included?**

The final internship period normally comprises a period of time corresponding to 10 working weeks. In each contract, the company and the graduate agree on the actual internship period with supervision from Fredericia College of Technology Management and Marine Engineering. During the 10 working weeks the company has the right to assign the student with relevant marine engineering tasks but must ensure that the student has time enough to gather data for his/her bachelor project.

### **The graduate is able to solve tasks in the field of marine engineering, and during the education he or she has been educated within the following subjects:**

- Thermal machines
- Boilers and turbines, pumps
- Cooling technology
- Environmental technology
- Climate technology
- Hydraulics
- Electrical engineering (including the authorization as electrical contractor)
- Management and economy
- Organization
- Environment management



# FREDERICIA MASKINMESTERSKOLE

- Maintenance management
- Innovation and project management
- Automation

## **Specific qualifications and knowledge as regards graduates choosing the *Energy at Sea* elective:**

- Gas engines and gas facilities.
- Knowledge about renewable energy and offshore wind energy.
- Knowledge about research for, production and refining offshore hydro carbons.
- Knowledge about well maintenance, process and personal safety.
- Knowledge about the legislation which controls offshore activities.
- Maintenance technology and management within offshore companies.
- Project management in offshore companies.

It is not a requirement that all subjects are included in the internship period since bachelors of technology management and marine engineering are employed in jobs covering a wide range after their graduation. However, it is required that the company is able to perform the role of host company and thereby ensure that the graduate has the option to seek guidance in the company and use his/her company supervisor as his/her sparring partner. The company supervisor must be at the same professional level, e.g. another marine engineer or another type of engineer. An exemption to the latter requirement is possible if the student can receive sparring in another way.

## **The obligations mentioned below are what the graduate, Fredericia College of Marine and Technical Engineering and the company are committed to fulfill:**

### **The graduate is committed to fulfilling the following obligations during the internship period:**

- To make sure every party has a signed contract before the internship period begins.
- To be at work at the precisely agreed times.
- To undergo the same control features and requirements which are valid for the company employees in general and at all times.
- To participate in everyday work to the extent that the company wants this.
- To participate in work which takes place outside normal working hours, if it is estimated necessary in connection with the graduate's education or at other special circumstances.
- To complete a log book for the duration of the internship. The log book has to be endorsed by the company where the graduate completes his/her internship period in order for the internship to be approved.

**Fredericia College of Marine and Technical Engineering undertakes to comply with the following conditions by endorsing the internship period contract, agreed on by the graduate and the company:**

- To be available for the company in terms of advice concerning entering the agreement on the internship period and bachelor's thesis.
- To assign a school supervisor who will act as contact on behalf of the institution.
- To inform the company so that the internship period provides the utmost benefit to the company as well as the graduate.
- To contribute to solving problems and challenges in the cooperation between the company and the graduate.
- To supervise and follow up on the completed log book.
- The school supervisor visits the graduate at the company in which he/she completes his/her internship period. If the final internship period takes place abroad or at sea, visits are not required.

**The company undertakes to comply with the following conditions by agreeing on employing the graduate in his/her internship period:**

- To be able to offer an internship period, covering at least 370 working hours, corresponding to 10 working weeks. The graduate and the company are allowed to agree on their own how the working hours will be spent.
- To agree on a special contract in case special claims are advanced in terms of salary, illness, holidays and/or other circumstances.
- To perform work and have a field of activity that requires qualifications acquired by bachelors of technology management and marine engineering for solving the tasks.
- To make sure the graduate will work with project planning of specific practical work tasks in the company.
- To contribute to preparing an internship period for the graduate that contains a number of elements corresponding to the work tasks of a newly qualified bachelor of technology management and marine engineering.
- To make sure that the graduate is covered by the warranty of the company during the internship period.
- To choose a bachelor of technology and marine engineering or an employee with a different but closely related qualification as the company supervisor for the graduate. This employee is simultaneously the contact to FMS.
- To be prepared for a visit in the company from the school supervisor during the internship period.
- Contribute to evaluating the internship period by endorsing the graduate's log book.
- That the final internship period at sea takes place in a maritime merchant ship with propulsion machinery of 750 kW or above