

## **Internships at HAN**

### **School of Applied BioSciences and Chemistry**

**Do you have an interesting internship project? Or are you interested in taking on students from our institute in the future? The students of our Bachelor program of Life Sciences, Chemistry or Bio-informatics can be of great value to your institute or company!**

#### **General:**

Students of the HAN SABC perform two internships during their major, of which one is the graduation internship.

During both internships the student performs laboratory techniques and/or bioinformatic skills to tackle a research question in the direction of his/her major. Internships are concluded with a research report and for the graduation also with a graduation defence.

#### **Educational background:**

The accredited study programs at our institute involve theory as much as practicals in the life sciences and chemistry field. Next to theory and practicals, students also attend workshops and actively contribute to project group meetings. Our education is fully competency based, focusing on competencies like experimenting, results analysis, cooperation and self-development. In total students spend about 40 hours a week on their education.

#### **Duration:**

Internships last one semester, which totals approximately 5 months. Semesters start in September and February, but students can start throughout the year. Internships can be extended by combining the first internship with the graduation or using a part of the student's minor.

#### **Requirements company:**

The company or organization must be able to offer the student sufficient professional and expert supervision and support, and adequate facilities for the student to be able to carry out the internship project properly. The company or organization carries out basic or applied research in natural sciences. Furthermore, the student is able to carry out activities at bachelor level within the company or organization and is supervised by an employee that has a minimum of bachelor education.

#### **Details internship project:**

In a research environment (this can be a (research) department of a hospital, a university or a company), the student is given a research plan. The student reads up on the research subject (within a reasonable period of time) and writes a research plan in which he or she describes clearly how the research will be carried out and what resources are needed at which time. He or she does the first experiments under supervision and with instructions/protocols provided. As

the research progresses, the student increasingly takes initiative to think about new experiments and performs the experiments independently. In the case of a project in bio-informatics, the student mainly makes use of data analysis of research data, whether collected by him or her, or by others. The student writes software programs for the data analysis. Throughout the internship period, the student consults regularly with the company supervisor, and the research strategy is adjusted if necessary. Findings are recorded (lab journal – according to the rules in force at the company) in such a way that colleagues can take over the research once the student's internship period has ended. A key feature of the graduation phase is that the student must be able to demonstrate that he or she can make an independent contribution to the research.

**More information:**

Please contact us at [stage.atbc@han.nl](mailto:stage.atbc@han.nl).

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