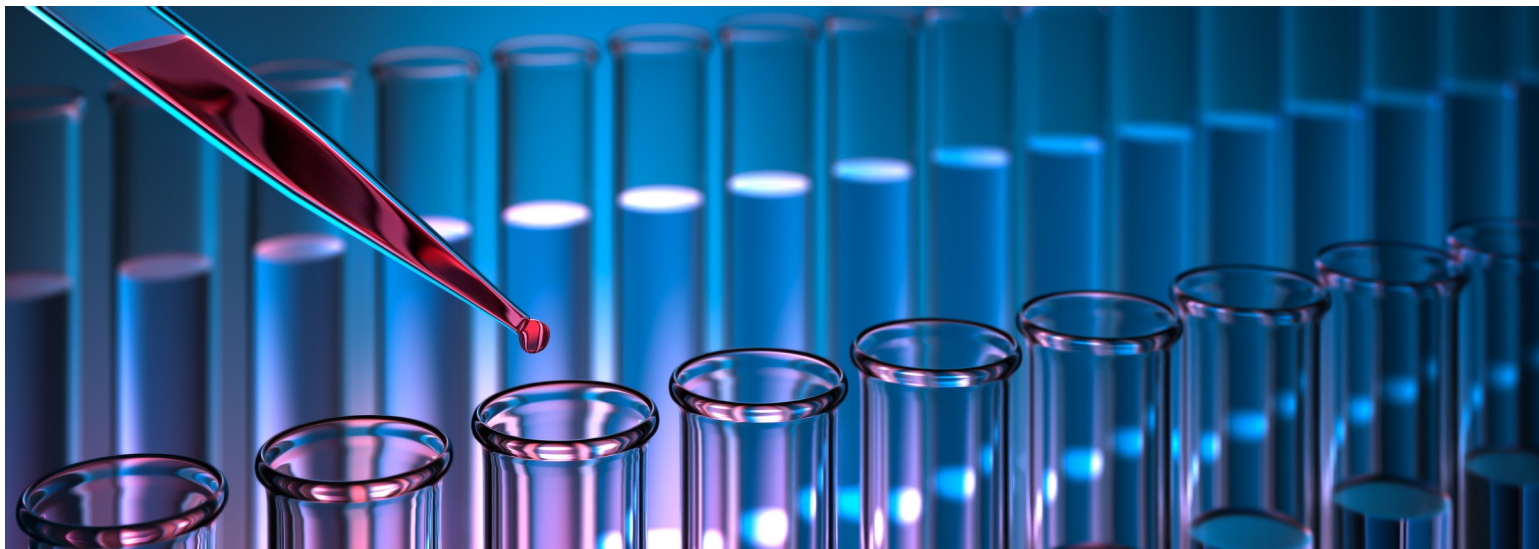


# Branch: Chemistry and chemical engineering



**Code:** BIOCHE

**Option:** Biochemistry

**Level:** Bachelor

**Prerequisites :** Scientific baccalaureate or equivalent

**Opportunities :**

Graduates of the biochemistry degree program have career opportunities in pharmaceutical and biotechnology companies. In addition, the field of application of biochemists also extends to many transitional areas of the natural sciences, from nutritional sciences to administrative and organizational tasks, as well as to health care and the media.

## **Description**

As the "chemistry of life", biochemistry is the link between biology and chemistry. In addition, bioinformatics plays an increasingly important role in modern biochemistry. Biochemists analyse the organization of cells and organisms at the molecular level. They analyse biochemical reaction mechanisms such as the intracellular transport of substances, cell differentiation, signaling cascades or the reactions of cells to stress, as well as the molecular causes of diseases. To this end, biochemists use chemical, molecular biological and physical methods.

**Specific competences:**

As a graduate, you will have a solid basic knowledge of the core areas of biochemistry and other relevant areas of organic and physical chemistry. In addition, you will be able to deepen and broaden your knowledge of physics, mathematics and computer science.

Due to the interdisciplinary nature of the course, you will gain insight into related disciplines in medicine and life sciences. The research placement also provides a first grounding in further research and professional practice.

**Quality and competences**

The specialized content of the degree program is accompanied by other modules that teach general skills and promote scientific methodological knowledge.