

# Branch: Chemistry and Chemical Engineering



**Code:** CHEMIS

**Option:** Chemistry

**Level:** Master

**Prerequisites:**

**Opportunities:**

Graduates of the Master of Science in Chemistry program have a wide range of prospects: in industry, research institutes, universities and also in the public service. But other sectors also offer interesting options: The cosmetics, food, automotive, electrical and building materials industries, metal production and processing, business consulting, the energy industry, insurance, water supply, wood processing and paper manufacturing, federal institutes and state authorities, trade supervision offices, customs, fire departments, police, state criminal investigation departments or clinics.

**Description:**

The Master of Science in Chemistry deepens and broadens existing knowledge and allows for individual specialization.

What is this course about?

Modern author therapy, molecular machines, chip technology, efficient catalysts, new and energy sources - these are all areas of research in which chemists contribute their ideas and develop new concepts. Chemistry is the most important interdisciplinary science in which fascinating areas of research are

effectively linked. Chemistry has a long and unbroken tradition in Germany. Today, it remains the most important natural science in our country. The Master's program in chemistry at UUT offers you the opportunity to create an individual study and skills profile. You choose a major from the following areas

Inorganic and organometallic chemistry

Organic chemistry

Physical chemistry

Technical chemistry

And complete it with a minor subject from a wide range of disciplines:

Analytical chemistry

Inorganic and organometallic chemistry

Construction chemistry

Biological chemistry

Chemistry of macromolecules, colloids, interfaces Catalysis

Food chemistry

Materials chemistry

Organic chemistry

Pharmaceutical radiochemistry

Physical chemistry

Technical chemistry

Theoretical chemistry.

### **Quality and competences:**

As a graduate, you will be able to analyze, describe and evaluate complex chemical problems. Your technical and methodological skills will enable you to develop and implement independent solutions.

In addition, you have been able to develop your own competence profile through individual choices in the combination of subjects.