



A profession that changes the world.





Building V

Library and
information center

Hall "Asen Zlatarov"

70

years of
history

34 180

Graduate
students

122

Accredited
majors

2996

Students
per year



Over the years, the university has established itself as the most authoritative academic and scientific structure in the field of chemical and metallurgical technologies not only in Bulgaria, but also in the entire Balkan region.

From its inception until today, highly qualified teachers and scientists have worked and continue to work at UCTM, who contributed to the development of chemical-technological and metallurgical education and science, and to support Bulgarian industry.

In the Institute of Chemical Technology two faculties are distinguished – Chemical Engineering and Metallurgy – with a total of 11 specialties.

It is increasing sharply the admission of students.

The Chemical Technology Institute (CTI) is being formed as an educational and research center in the field of chemistry- and metallurgy.

CTI becomes Higher Chemical Technological Institute (HCTI)

By decision of the National Assembly, HCTI was renamed to University of Chemical Technology and Metallurgy (UCTM)

UCTM receives status of Research university

1953

1959

1960

1963

1995

2021



The University

The university (UCTM) trains students in the country's leading professional fields: Chemical Technologies, Materials and Materials Science, Metallurgy, Biotechnology, General Engineering and Electrical Engineering, Electronics and Automation.

Students have the opportunity to study in full-time and part-time form for the educational qualification degrees "Bachelor" and "Master", as well as in foreign language specialties in English, German and French.

They also have the opportunity to participate in research projects, which provides them with professional competence at a high level and quick implementation in leading companies in the country.





The Library

The Library and Information Center (BIC) at UCTM is a specialized scientific library, having its own subscription of scientific periodicals and all current resources for the purposes of training and scientific activity of students.

BIC is an associate member of the NABIS Foundation and the Bulgarian Information Consortium, as well as a member of the Bulgarian Library and Information Association.



The Laboratories



In each of the three faculties there are teaching and research laboratories, the majority of which have been fundamentally renovated in the last few years and are available to students studying in the respective specialties.

All laboratories are equipped with specialized equipment meeting modern educational standards.

Educational Centers



Educational centers for the training of highly qualified personnel have been established:

- Center for Hydrogen technologies;
- Technological center Aurubis Bulgaria;
- Center for Ecology;
- Center for Excellence technologies - jointly with TU and BAS;
- Center for Material science;
- Center for Mathematical modeling.



Faculty of Chemical Technology



The faculty has well-established traditions in the training of engineering personnel in the field of chemical technologies. Graduates of the educational and qualification degree "Bachelor" receive the professional qualification "Chemical Engineer" and can continue their education in the higher educational degrees "Master" and "Doctor".

In the separate departments of the Faculty of Chemical Technologies, scientific research is conducted in current and priority topics for the world scientific community, as evidenced by the numerous scientific articles of the team, published in leading scientific publications - part of the world system for referencing, indexing and evaluation.

Bachelor's degree

Bioproduct Engineering, Paper and Packaging

Fuels and bioenergy technologies

Digital and conventional printing technologies and design

Green technologies

Industrial safety

Engineering

Electrochemistry and Corrosion

Inorganic technologies

Perfumery and cosmetics

Polymer Engineering

Technological design of textiles and leathers

Technology of glass, ceramics and binders

Fine organic synthesis

Clean energy and sustainable development



Faculty of Chemical Technology

Graduated engineers have a career realization as technologists, researchers in industry and science, managers in production, design, consulting and trading companies. FHT graduates can take positions at the national and international level in companies from the chemical, processing and energy industries.

Master's degree

Bioenergy technologies and organic products ---
Hydrogen technologies ---
Elastic cross-linked polymers ---
Electrochemistry and corrosion protection - --
Industrial safety ---
Conservation and restoration of paper and books ---
CAD/CAE in chemical technologies ---
Medical textiles ---
Inorganic substances ---
Polygraphy ---
Polymer Engineering ---
Applied analytics ---
Natural and synthetic fuels ---
Recycling of polymers ---
Renewable energy systems
[in Bulgarian/English language] ---
Glass, ceramics and binders ---
Textiles and leathers and products of them - --
Technology of high energy materials ---
Fine organic synthesis ---
Chemical technologies in nuclear energy ---
Pulp, paper and packaging ---
Innovative technologies for renewable energy ---



Faculty of Chemical and Systems Engineering

The training is carried out by teachers with extensive teaching experience and scientific qualifications.

Together with leading European technical universities the faculty also teaches in foreign language specialties. This is a wonderful opportunity to obtain double diplomas and accreditation of the acquired qualification in European countries, as well as to study abroad (conducting internships and preparing theses in European universities). The teachers of the faculty maintain active international contacts such as exchange of graduates (with France), joint management of doctoral students, etc. (with France, Germany and other countries).

Bachelor's degree

Automation and information technologies

Biomedical Engineering [in Bulgarian]

Biomedical Engineering [in English]

Biotechnologies [in Bulgarian]

Biotechnology [in English]

Industrial Management

Industrial Pharmacy

Engineering ecology and environmental protection

Engineering informatics

Intelligent systems for artificial intelligence [HTMU, TU-Sofia]

Chemical engineering

Chemical Engineering [in German]

Chemical and Biochemical

Engineering [in French, 5 year study course, Post-secondary Master]



Master's degree

Chemical Engineering [in German] --
Chemical engineering --
Biotechnologies --
Biomedical Engineering ---
Ecology and conservation
of the environment --
Industrial Management --
Industrial logistics --
Automation and information
technology --
Information Technology --
Quality management --
Business Administration --
Chemical and Environmental
Engineering [in English] - in association
with the University of Alabama --
Industrial and pharmaceutical biotechnology
– jointly with SU
Engineering Ecology [in English] – jointly
with TU --
Technological entrepreneurship [incl. and
in English] – jointly with TU --



Master's degree

Energy and environmental efficiency in metallurgy --
Processing of metals by plastic Deformation --
Metallurgy and heat treatment of metals --
Metallurgy of non-ferrous and precious metals --
Metallurgy of ferrous metals --
Metal casting --
Systems and devices for environmental protection in metallurgy --
Engineering Materials Science [in English]
Materials and technologies for opto- and microelectronics --
Metal materials --
Metrology, accreditation and certification
Nanotechnologies and nanomaterials --
Recycling of metal materials --
Silicate materials --
Industrial solutions for the green deal - jointly with BSU and MVBU --
Circular economy jointly with BSU and MVBU --
Surface treatment of engineering materials - jointly with TU --
Security of strategic infrastructures and productions - jointly with BSU and MVBU --
Technology for utilization of renewable energy sources - jointly with TU --

Faculty of Metallurgy and materials science

The Faculty of Metallurgy and Materials Science is an established center for the training of highly qualified engineering personnel. Specialty "Metallurgy" in UCTM is the only one specialty in our country, personnel are trained for all types of production of the metallurgical industry, metal casting and some branches of mechanical engineering, which makes it unique for the country.

Bachelor's degree

Biomaterials for medical applications
Energy and environmental efficiency
Engineering materials and materials science
Metallurgy



FUTURE WOMEN

**Creating new opportunities for
women in the digital
and STEM economy**



GREEN STEAM

**GREENovation &
STEAMpreneurship**



Erasmus+ Mobility



**Co-funded by
the European Union**



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See you in Sofia!