

BACHELOR'S DEGREE PROGRAM

# SPACE FOR BIOLOGICAL CHEMISTRY.



“Can human beings be cloned? What does having a metabolic disorder mean? How can chemical catalysts and enzymes convert waste to valuable products? Biological Chemistry allows you to explore the building blocks of life. At the interface of biology and chemistry, you not only learn the terminology used in two major disciplines, the program will give you an understanding of the chemical and biological world around so you can contribute to interdisciplinary solutions of tomorrow.”

**JYU**

LINZ INSTITUTE  
OF TECHNOLOGY

# Biological Chemistry.

Biological Chemistry is a stand-out, multidisciplinary, and transnational academic degree program offered jointly by the Johannes Kepler University Linz (AT) and the University of South Bohemia in České Budějovice (CZ).

Students focus on a fundamental understanding of various corresponding fields of chemistry in an effort to better understand biological processes. A central part of the program includes hands-on laboratory courses as well as a strong focus on chemistry and life sciences. All of the courses in the program are offered in English, giving you an opportunity to hone your language skills and actively take part in a stimulating international environment.

## YOUR BENEFITS

You experience academia and student life at two different universities.

You have the unique opportunity to earn two Bachelor's degrees.

You are able to build bridges at the crossroads between chemistry and biology.

## To the Point



**Bc. MONIKA LITVIŇUKOVÁ BSc**  
Graduate of the Master's Degree Program

'I chose to enroll in the Biological Chemistry program because of its international character and the program is in English. Having access to two universities gives me an opportunity to use state-of-the-art techniques and learn from professionals. And Linz is a beautiful city!'



**Bc. ANNA POLÁŠKOVÁ BSc**  
Graduate of the Bachelor's Degree Program

'Studying at two universities is enriching. The program can be challenging in regards to time and the workload, but you have a unique opportunity to learn from different viewpoints and contrasting approaches. It also means you engage directly with interesting people from around the world. I believe the program was influential in broadening my horizons ...'

# Educational Objectives and Career Prospects.

## What You Will Learn

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You will learn to work across disciplines and in a solution-oriented capacity, acquiring these key skills and expertise:

- How to Work Safely in a Lab
- Analytical Techniques
- Structural Analysis
- Preparative Techniques
- Intercultural Skills

## Career Prospects

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Graduates of the Bachelor's degree program in Biological Chemistry are qualified to pursue an internationally-oriented, professional career in the following areas:

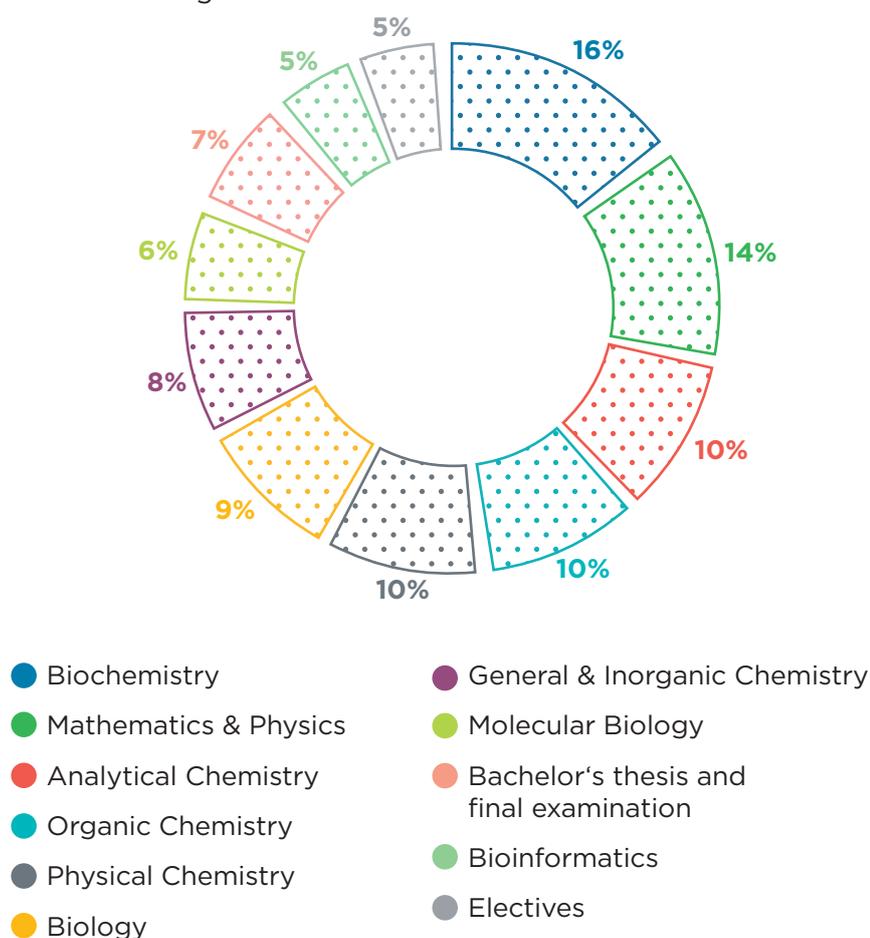
- Perform various analyses in both medical and research laboratories (PCR, HPLC, electrophoresis)
- Production and quality control at biotechnology and chemical companies, for example in support of vaccines, pharmaceuticals, biopolymers, cosmetics, natural products, chemical fibers, etc.
- At organizations, agencies and government authorities, including environmental, occupational and consumer protection and licensing agencies, in support of chemical and biological products and/or processes.



# Bachelor's Degree Program.

## Subject Areas

As part of the Bachelor's degree program in Biological Chemistry, students are required to complete courses totaling 180 ECTS credits in the following areas:



### KEY FACTS

#### Degree

Dual Bachelor's degrees:  
Bachelor of Science (BSc), Bachelor (Bc)

#### Duration

6 semesters

#### ECTS

180 credits

#### Language

English (Level B2)

#### Location

Linz and  
České Budějovice (CZ)

#### Program

Full-time

See: [jku.at/ba-bc](http://jku.at/ba-bc), the curriculum, or visit the Office of Student Information and Advising Services (SIBS) for detailed information.

## Additional Information

In order to be admitted to the Bachelor's degree program, you must fulfill the following requirements:

- Hold general higher education entrance qualifications (such as an Austrian "Matura" or German "Abitur" diploma)

- A B2 level of proficiency in English (Matura/ Abitur level) is required.

The degree program takes place at two universities: 1st, 2nd and 5th semester: JKU Linz (A); 3rd and 4th semester: USB České Budějovice (CZ); 6th semester: JKU Linz (A)/USB České Budějovice (CZ).

# Getting Started.

## The JKU in a Nutshell

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Over 23,000 students are enrolled at the JKU, making it Upper Austria's largest institution for research and higher-level education. Students can choose from over 100 academic degree programs in law, business, economics, social sciences, computer sciences, education and medicine. You benefit from a unique campus environment and a low student-to-faculty ratio.



## Advanced Degrees at the JKU

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- Master's Degree in Biological Chemistry
- Master's Degree in Chemistry and Chemical Technology
- Master's Degree in Polymer Chemistry
- Master's Degree Management in Polymer Technologies (MPT)
- Master's Degree in Legal & Business Aspects in Technics

## General Information

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### STUDENT INFORMATION AND ADVISING SERVICES (SIBS)

Bank Building  
P +43 732 2468 3450  
studium@jku.at  
jku.at/sibs

### ADMISSIONS OFFICE

Bank Building  
P +43 732 2468 2010  
admission@jku.at  
jku.at/admission

### INTERNATIONAL WELCOME CENTER

Bank Building  
P +43 732 2468 3050  
international@jku.at  
jku.at/iwc

### WOMEN IN TECHNOLOGY (FIT)

Science Park 5, Rm. 223  
P +43 732 2468 3224  
fit@jku.at  
jku.at/fit

### CONTACT

**Biological Chemistry**

**Institute of Biochemistry**

**+43 732 2468 9300 or  
+43 732 2468 9305**

**biologicalchemistry@jku.at**

**jku.at**

## JOHANNES KEPLER UNIVERSITY LINZ

Altenberger Straße 69  
A-4040 Linz, Austria  
+43 732 2468 0  
info@jku.at  
jku.at

### Social Media

-  [facebook.com/jku.edu](https://facebook.com/jku.edu)
-  [instagram.com/jkulinz](https://instagram.com/jkulinz)
-  [linkedin.com/school/jkulinz](https://linkedin.com/school/jkulinz)
-  snapchat: jku.linz
-  [twitter.com/jkulinz](https://twitter.com/jkulinz)
-  [youtube.com/jkulinz](https://youtube.com/jkulinz)

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Přírodovědecká  
fakulta  
Faculty  
of Science

Jihočeská univerzita  
v Českých Budějovicích  
University of South Bohemia  
in České Budějovice