

BACHELOR'S DEGREE PROGRAM

CHEMISTRY AND CHEMICAL TECHNOLOGY.



Do your talents lie in chemistry and engineering? Do you want to conduct groundbreaking experiments to revolutionize engineering processes? Then chemistry is the right major for you. Exciting, versatile and hands-on: Be in your element and help change the world.

JKU

JOHANNES KEPLER
UNIVERSITY LINZ

Chemistry and Chemical Technology.

The Bachelor's degree in Chemistry and Chemical Technology serves to educate chemists in fields of engineering and natural sciences. The program gives students broad expertise in various fields of chemistry, chemical technologies as well as process engineering. Graduates of the program can opt to continue studies and earn a Master's degree or pursue a profession that requires a background in chemistry and engineering.

YOUR BENEFITS

Acquire broad expertise in various areas of chemistry

Combine theory with real-world applications

Learn valuable team skills

Outstanding job prospects



Educational Objectives, Career Prospects.

Educational Objectives

Predominantly based on principles of research-based learning and research-led teaching, the curriculum for the Bachelor's degree program includes extensive base-knowledge in the field of Technical Chemistry, addressing problem-solving skills in particular. Students work in small groups as part of a team, learning to understand and solve theoretical and practical problems and analyze and interpret scientific findings.

Job Opportunities

A Bachelor's degree in chemistry can open the door to pursue many career opportunities available in countless areas of chemistry such as:

- research and development at research institutions or chemical industrial companies (petrochemicals, food, paper & pulp industry, cosmetics etc.) or related industries (pharmaceuticals, biotechnology, metallurgy, energy engineering, etc.)
- production in the chemical industry as well in related industries
- chemical quality control
- activities as an expert (at offices, agencies and authorities in the environmental field, employee and consumer protection, and occupational safety)



Bachelor's Degree Program.

Subject Areas

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

SEMESTER	1	2	3	4	5	6
General and Inorganic Chemistry	•	•				•
Analytical Chemistry	•	•	•		•	
Organic Chemistry and Polymer Chemistry	•	•	•	•	•	
Physical Chemistry		•	•	•		
Chemical Technology and Process Engineering			•	•	•	•
Mathematics and Fundamentals in Sciences	•	•				•
General Skills	•		•		•	•
Free Electives				•	•	•
Bachelor's Thesis						•

PROGRAM:

Bachelor's Degree
Chemistry and Chemical
Technology

ACADEMIC DEGREE:

Bachelor of Science
(BSc)

PROGRAM DURATION:

6 semesters

ECTS:

180 credits

PROGRAM LANGUAGE:

English

See: jku.at/studienrichtung, the curriculum, or visit the Student Information and Advising Services (SIBS) for detailed information.

Additional Information

- Admission requirements to the Bachelor's degree program: General university entry qualifications (such as an Austrian 'Matura' diploma)

See: jku.at/studienrichtung or contact the Admissions Office for information about admission requirements.

JKU Post-Graduate Degree Programs

- Management in Chemical Technologies (MCT)
- Master's Degree in Chemistry and Chemical Technology
- Master's Degree in Polymer Chemistry
- Master's Degree in Biological Chemistry
- Master's Degree in Management in Polymer Technologies (MTP)

Getting Started.

During the last year of high school, many students in the graduating class begin to ask themselves: How do I get my dream job? What is the best way to reach my career goals? Where do I begin? The JKU can help. We provide academic advising and counseling services to answer your questions and help you choose a major that is right for you.

ACADEMIC ASSESSMENT TESTING

Take advantage of academic assessment testing to find a major that best fits your own personal interests and skills. See: jku.at/studienwahlberatung for details and information.

THE JKU YOUNG POLYMER SCIENTISTS PROGRAM

Upper Austria's most comprehensive program for gifted students from upper-level AHS and BHS schools provides a unique opportunity during the school year to attend workshops in the fields of chemistry and polymer technologies. See: jku.at/youngscientists, under 'Chemistry/Polymer Technologies' for detailed information.

STUDENT FOR A DAY

Our 'Student-for-a-Day' program gives prospective students a taste of campus life. Attend a lecture together with a JKU student who is enrolled in a degree program you are interested in. See: jku.at/1tagstudieren for detailed information.

CAMPUS TOUR

Get a feel for the university by taking part in a campus tour and learning about the university's programs and services. We can also organize tours of the JKU Science Park, lecture halls, research facilities, the JKU main campus library, or the law school building. See: jku.at/campusfuehrung for details and information.







MENTORING PROGRAM

University faculty members meet with small groups of newly enrolled students and provide tips and advice about studying at the JKU. See: jku.at/tnf_mentoring for detailed information and how to register.

**JOHANNES KEPLER
UNIVERSITY LINZ**

Altenberger Strasse 69
4040 Linz, Austria
P +43 732 2468 0
info@jku.at
jku.at

Social Media

-  facebook.com/jku.edu
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