

SPACE FOR POLYMER CHEMISTRY.



Master's Degree Program



JOHANNES KEPLER
UNIVERSITY LINZ

Polymer Chemistry.

The Master's degree program in Polymer Chemistry at the JKU Linz is a comprehensive graduate degree program. Students can enhance their skills and talents in science and research, both in the classroom and in state-of-the-art laboratories. Using the latest instrumentation, students focus on developing and characterizing traits in new kinds of monomers and polymers. Program graduates are highly qualified polymer chemists, creating the future today!

The graduate degree program offers valuable general knowledge training. Graduates qualify for high value jobs where they can apply their expert scientific knowledge and trained methods. Graduates not only hone the skills needed to transfer scientific knowledge and methods to the workplace, they are qualified to undertake demanding tasks in the area of manufacturing and polymer characterization.

YOUR BENEFITS

Hands-on training

Access to modern equipment

Industrial partners provide strong support

Broad, international network

Access to many Polymer institutes at the JKU



Educational Objectives, Career Prospects.

Educational Objectives

Graduates of the Master's degree program in Polymer Chemistry are well educated in the fields of engineering and natural sciences. Graduates possess in-depth knowledge in polymer sciences (polymer chemistry, physical chemistry of polymers, polymerization techniques and technologies, material sciences, and the characterization of polymers and plastics).

Students learn to meticulously conduct experiments and assess various reaction routes and processes in the field of polymer synthesis and characterization.

The extensive curriculum at the JKU Linz allows students to:

- Push the limits of their curiosity
- Learn how to safely and expertly handle the raw materials required in polymer manufacturing
- Use state-of-the-art equipment to conduct hands-on, practical work
- Interpret experimental information and examine the results in a wider context

Job Opportunities

Graduates in the field of Polymer Chemistry are highly sought-after specialists, have a high job placement rate, and can pursue a variety of professional occupations. Graduates are often active in research and development as well as positions in the fields of synthesis and characterization such as in the chemical industry, plastics manufacturing, and the pharmaceutical industry.

Professional challenges include positions in the construction industry, packaging, aerospace industry, sporting goods, automotive industry, as well as in the electrical and electronics industries.



Master's Degree Program.

Subject Areas

SEMESTER	1	2	3	4
Bridge Subject (Techn. Chem.)	14,6	2,5	-	-
Polymer Chemistry	4,2	8,6	-	-
Advanced Chemistry	2,6	2,4	-	-
Physical Chemistry of Polymers	2,8	2,4	-	-
Soft Skills	-	6,2	-	-
Polymerization Techniques	-	2,6	6,4	-
Electives	5,8	5,3	6,6	5
Free Electives	-	-	7	5
Master's Thesis	-	-	10	15
Master's Seminar/Examination	-	-	-	5
ECTS CREDITS: 120	30	30	30	30

PROGRAM:
Master's Degree
Polymer Chemistry

ACADEMIC DEGREE:
DI (equivalent to MSc)

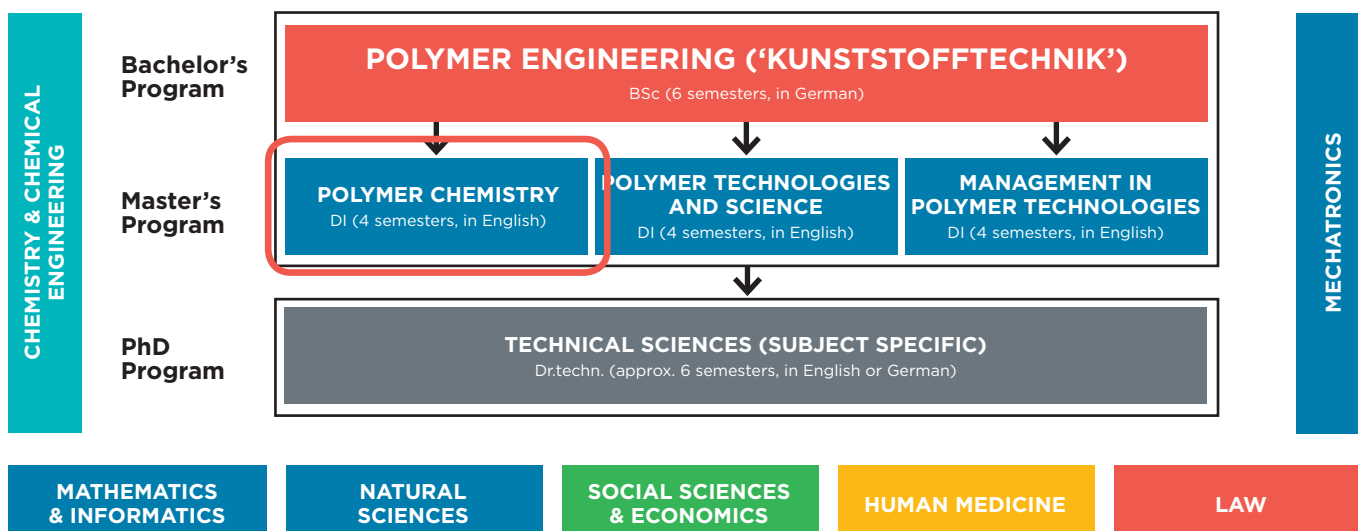
PROGRAM DURATION:
4 semesters

ECTS:
120 ECTS

PROGRAM LANGUAGE:
English

The Master's degree program in Polymer Chemistry as above is for graduates of the Bachelor's degree program in Technical Chemistry. See the curriculum for information about required courses for graduates of Bachelor's degree programs in Polymer Engineering and Biological Chemistry.

JKU Polymer Program



Polymer Chemistry is a part of the JKU's 'Fields of Excellence'.

Admission Requirements, Academic Advising.

Admission Requirements

- Applicants who have completed a Bachelor's degree in 'Technical Chemistry', 'Biological Chemistry', and 'Polymer Engineering' ('Kunststofftechnik') at the JKU will be admitted to the Master's degree program without any additional prerequisites.
- Graduates of other universities or post-secondary institutions may be admitted to the program providing their degree is equivalent in content and scope to one of the above listed JKU undergraduate degrees.
- Applicants admitted to the program and holding an undergraduate degree in a related field may be required to complete additional coursework of up to 40 ECTS credits during the Master's degree program.

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

Post-Graduate Programs/ Double Degree Option

- PhD Program/Doctoral Program in Technical Sciences
- PhD Program/Doctoral Program in Natural Sciences
- DI/MSc Management in Polymer Technologies

See: lit.jku.at for further information.

Academic Advising

STUDENT INFORMATION AND ADVISING SERVICES (SIBS)

Lecture Tract, Hall A
+43 732 2468 3450
studium@jku.at
jku.at/sibs

AUSTRIAN STUDENT UNION LINZ – OFFICE OF ACADEMIC ADVISING

Main Campus Library (ground floor) and the
Lecture Tract
+43 732 2468 1122
studienberatung@oeh.jku.at
oeh.jku.at

ADMISSIONS OFFICE

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Rm. 113 A/B
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