

MASTER'S DEGREE PROGRAM

SPACE FOR STATISTICS.



Why are election predictions often accurate? How effective are vaccines? As a data scientist, you provide the foundation and bottom line so that fact-based, informed decisions can be made.



JOHANNES KEPLER
UNIVERSITÄT LINZ

Statistics.

The four-semester Master's degree program in Statistics is offered entirely in English and addresses key areas of statistics and data science. Your studies include focusing on key theoretical approaches and, in cooperation with experts in other fields, you will learn how to apply academic theory to tackle and solve real-world issues.

The 21st century is rapidly becoming an age of information! Your data literacy skills and the ability to critically analyze data and information will be the key to modern society's future success. As a program graduate with a strong background in statistics, you will be highly sought after for a wide variety of job openings and positions in different fields.

YOUR BENEFITS

Unique opportunity to work on current cases.

Option to earn additional academic qualifications, such as the "EMOS: European Master in Official Statistics".

Advantages, such as a low student-to-faculty ratio, a more familiar environment and being able to easily contact classmates.



Educational Objectives and Career Prospects.

What You Will Learn

The program aims to educate students in the field of “data literacy”. You will learn everything you need to know about

- Data acquisition - How do I retrieve specific data?
- Data quality - When it comes to analyzing Big Data, what do I need to take into account?
- Data management - How do I organize data more efficiently?
- Data analysis - What kind of information does the data provide and what kind of methods do I use?
- Data processing - Do I use existing software or do I program the software myself?
- Communicating the findings - How do I convey analytical findings in laymen’s terms?

Career Prospects

Following the successful completion of the Master’s degree program in Statistics, your career can be very broad and multi-faceted. Industries that not only collect, systematically manage, and analyze data but also present data on a large scale are seeking your expertise! Digitalization is driving growth in this field even further and our graduates work for leading companies and institutions in the following areas:

- Industry
- Medicine
- Banks
- Official statistics offices, such as Statistics Austria, Statistics Upper Austria
- Conduct market and opinion research
- Commerce



**CHRISTINA NEUWIRTH,
MSc**
**Graduate of the Master’s
program in Statistics**

The class sizes were small and for me, the smaller student-to-faculty ratio was a positive aspect. I felt like I had strong support during my studies.

Master's Degree Program.

Recommended Study Plan

As part of the Master's degree program, students must complete classes amounting to a total of 120 ECTS credits in the following subject areas (full-time study):

SEMESTER	1	2	3	4
Mathematical Statistics	•	•		
Statistical Methods	•	•	•	
Data Analysis		•	•	
Soft Skills	•			
Elective Subjects	•		•	
Free Electives	•	•	•	
Master's Thesis Seminar			•	•
Master's Thesis				•
Master's Examination				•

KEY FACTS

Degree

Master of Science (MSc)

Duration

4 semesters

ECTS

120 credits

Language

English (Level B2)

Location

Linz

Program

Full-Time/Part-Time
(50%)

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

Admission Requirements

In order to be accepted to the Master's degree program in Statistics, you must meet the following admission requirements:

- Successful completion of the Bachelor's degree program in Statistics & Data Science at the JKU, or successful completion of a comparable Bachelor's degree program offered at another institution of higher education
- We also recommend a minimum B2 level of proficiency in English

Advanced Degrees at the JKU

- PhD Program in Economics and Statistics

Academic Advising.

The JKU in a Nutshell

Over 22,000 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, engineering and natural sciences, computer sciences, education, and medicine. You benefit from a unique campus environment and a low student-to-faculty ratio.

General Information

STUDENT INFORMATION AND ADVISING SERVICES (SIBS)

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P +43 732 2468 3450
studium@jku.at
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ADMISSIONS OFFICE

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