

BACHELOR'S DEGREE PROGRAM

ARTIFICIAL INTELLIGENCE.



Autonomous vehicles, healthcare robots, intelligent household appliances, autonomous irrigation and fertilizer systems, smart digital assistants: Artificial Intelligence is finding its way into our everyday lives. Be at the forefront to help shape the great digital revolution.



LINZ INSTITUTE
OF TECHNOLOGY

Artificial Intelligence.

Experts say that Artificial Intelligence (AI) will be more groundbreaking than electricity. Those who are one step ahead can play a key role in contributing to the way our future lives will be shaped. The new Bachelor's degree program in Artificial Intelligence (AI) provides you with an ideal start to this mission. You control how and what machines learn. You develop the learning algorithms and methods needed for making intelligent decisions.

Why is the JKU perfect for this? Because Linz is a globally recognized hot-spot in AI research. Because this is Europe's first academic degree program for AI. Because the program is international and offered in English. But above all: Because you don't just want to experience the future, you want to actively create it.

YOUR BENEFITS

One of Europe's first academic degree programs in AI.

There is no other comparable degree program in Austria.

Hone your expertise in certain fields of AI, including machine learning, etc.



Program Objectives, Career Prospects.

What You Will Learn

You will learn how to approach complex tasks methodically and in a structured way in order to systematically solve problems.

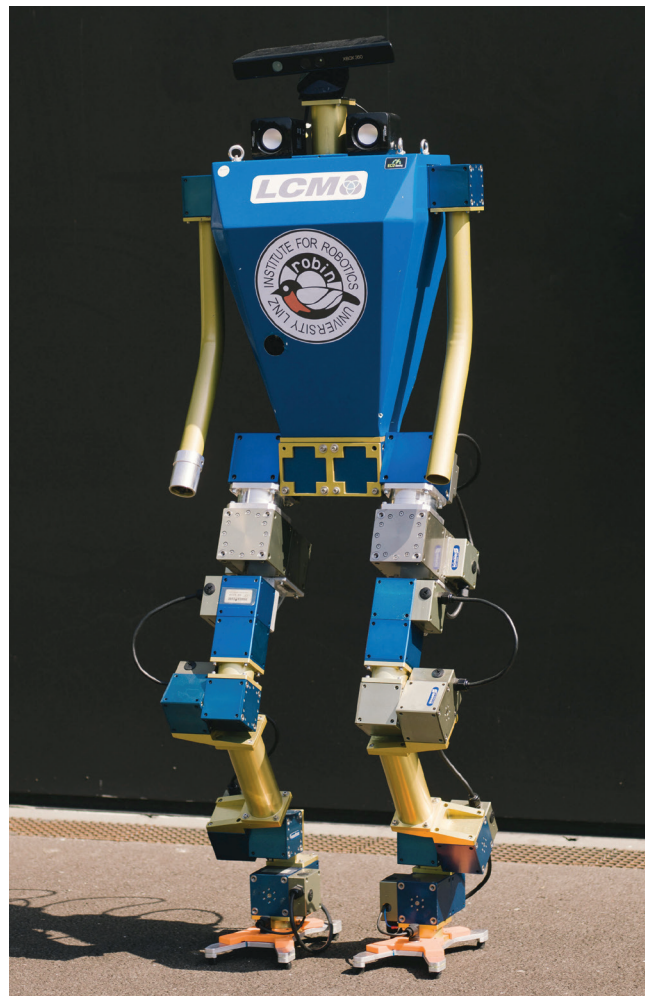
- Teamwork is the key: You and your classmates will not only work together to develop modern, useful solutions, but also present your concepts and findings together.
- Jump in with both feet! We will give you the skills and tools you need to solve problems you encounter in your future professional career.

- AI experts like you are highly sought after by industrial companies and businesses! Graduates are in high demand and can find jobs quickly.
- If you want to advance your skills, the Master's degree program builds on material taught in Bachelor's degree program.

Career Prospects

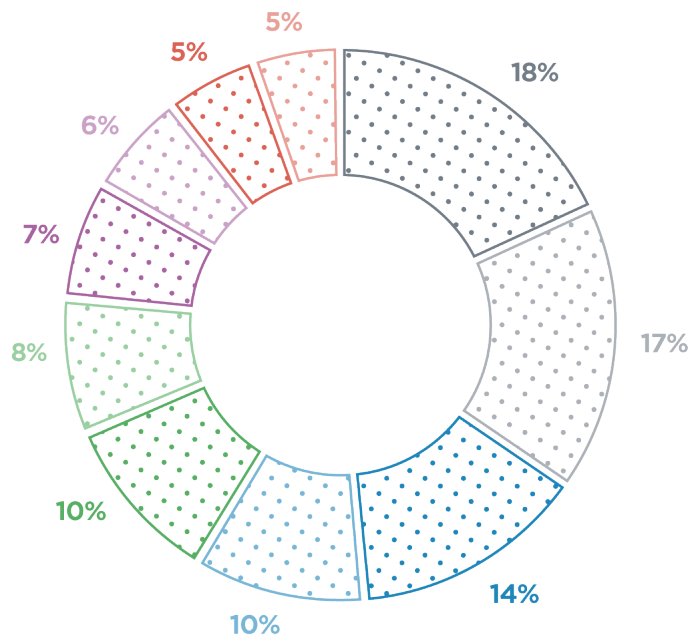
Graduates of the Bachelor's degree program possess a broad range of high-level skills and expertise and are highly sought after in business and industry:

- Information Technology: Austria currently lacks over 10,000 IT specialists, particularly AI experts.
- Manufacturing and Supply Chains: As a specialist and manager, you can develop AI systems to control the flow of goods. As an analyst you can use AI methods to extract corresponding relationships and new information from available data: Where are the weak links in the supply chain? Which parts can be improved and how?
- Medicine and Healthcare: Use AI methods to improve diagnostic processes.
- Transportation: Use AI methods to help design and develop autonomous vehicles.



Bachelor's Degree Program.

Program Structure



- Data Science
- Mathematics
- AI Basics and Applied Practice
- Machine Learning and Perception
- Computer Science
- Knowledge Representation and Reasoning
- Area of Specialization
- AI and Society
- Autonomous coursework
- Bachelor's Thesis

For detailed information, see: [jku/ba-ai](https://jku.at/ba-ai), the curriculum, or visit the Office of Student Information & Academic Advising Services (SIBS)

Key Facts

Degree

Bachelor of Science (BSc)

Duration

6 Semesters

ECTS

180 Credits

Language

English (Level B2)

Location

Linz, Vienna or Bregenz;
optional with remote
learning elements

Program

Full-Time

Additional Information

- Admission requirements to enroll in the Bachelor's degree program:
- B2 level of proficiency in English (Matura level) is recommended.

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

Advanced Degrees at the JKU

After completing your undergraduate degree, you can continue your education by pursuing an advanced degree:

- Master's Degree in Artificial Intelligence
- Master's Degree in Legal and Business Aspects in Technics

Getting Started.

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.

Additional Information

The JKU provides academic advising and counseling services to help you choose a major that is right for you. See: jku.at/study-for-a-day and jku.at/campus-tours for details and information.

General Information

STUDENT INFORMATION AND ADVISING SERVICES (SIBS)

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*Beginning December 2021



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