SPACE FOR COMPUTER SCIENCE.

Master's Degree Program

**JOHANNES KEPLER
UNIVERSITY LINZ**

Computer Science.

Computer Science includes concepts, methods, and tools for systematic and automated information processing. As an established scientific discipline, Computer Science today is an integral part of business, technology, and everyday life. The Master's degree program in Computer Science comes with six areas of specialization: Computational Engineering, Data Science, Intelligent Information Systems, Networks and Security, Pervasive Computing, and Software Engineering. Based on the undergraduate degree program in Computer Science at JKU, the Master's degree program is research-oriented and focuses on today's advancing and evolving technologies. Students will acquire a solid background in information technology, exercise problem-solving skills, learn to apply scientific methods to solve complex IT problems, and enhance their expertise in selected areas of specialization.
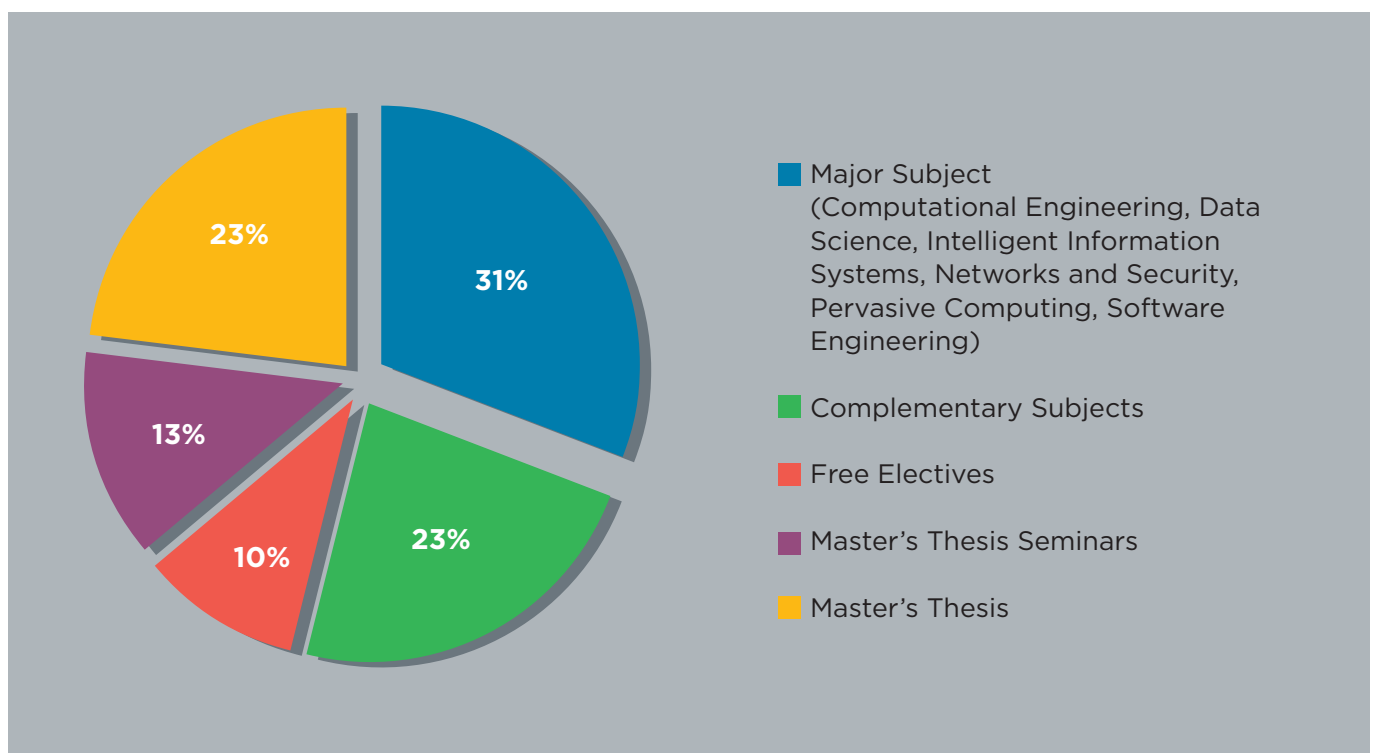
YOUR BENEFITS

Research-oriented education

State-of-the-art technology

Selected areas of specialization

Training in problem-solving skills

Outstanding career prospects

Chart of Interdisciplinary Topics

- **Major Subject** (Computational Engineering, Data Science, Intelligent Information Systems, Networks and Security, Pervasive Computing, Software Engineering) — 31%
- **Complementary Subjects** — 23%
- **Free Electives** — 10%
- **Master's Thesis Seminars** — 13%
- **Master's Thesis** — 23%

Educational Objectives, Career Prospects.

Educational Objectives

Computer Science at the JKU is a scientific engineering discipline focusing on both theory and real-world applications. The program combines scientific methods with creativity, multidisciplinarity, and teamwork. In addition to acquiring expertise in state-of-the-art technology as well as in selected key areas, students will also strengthen their leadership and social skills set.

As a leading institution for research, the Department of Computer Science at the JKU provides students with a vibrant and progressive academic environment. The department has strong connections to local business and international industry and is thus an ideal starting point to launch a successful career.

Job Opportunities

Graduates in Computer Science are highly recognized IT experts in industry and business. Their job placement rate is high, for example as systems architects, project managers, and researchers in:

- Software and hardware development

- Information and communication systems

- Networks and security

- Cyber-physical systems e.g., in the automotive industry

- Data mining and machine learning

- IT consulting and education

- Research

Master's Degree Program.

Subject Areas

As part of the Master's degree program, students are required to complete courses totaling 120 ECTS credits in the following areas:

SEMESTER	1	2	3	4
Major Subject - Computational Engineering - Data Science - Intelligent Information Systems - Networks and Security - Pervasive Computing - Software Engineering	13,5	13,5	10,5	
Complementary Subjects	13,5	13,5		
Free Electives	3	3	3	3
Master's Thesis Seminars			8	8
Master's Thesis			8,5	19
Total	**30**	**30**	**30**	**30**

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

PROGRAM:
Master's Degree
Computer Science

ACADEMIC DEGREE:
Diplom-IngenieurIn
(DI^{in}/DI) (equivalent to MSc)

PROGRAM DURATION:
4 semesters

ECTS:
120 credits

PROGRAM LANGUAGE:
English

Additional Information

- Admission requirements to the Master's degree program: Bachelor's degree 'Informatik' (JKU), 'Wirtschaftsinformatik' (JKU), 'Elektronik und Informationstechnik' (JKU) or an academic degree program equivalent in content and scope

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

- For additional information see:
  cs.jku.at/master

JKU Post Graduate Degree Programs

- Doctorate Degree in Engineering Sciences

Academic Advising.

General Information

STUDENT INFORMATION AND ADVISING SERVICES (SIBS)
Lecture Tract, Hall A
+43 732 2468 3450
studium@jku.at
jku.at/sibs

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

Department of Computer Science

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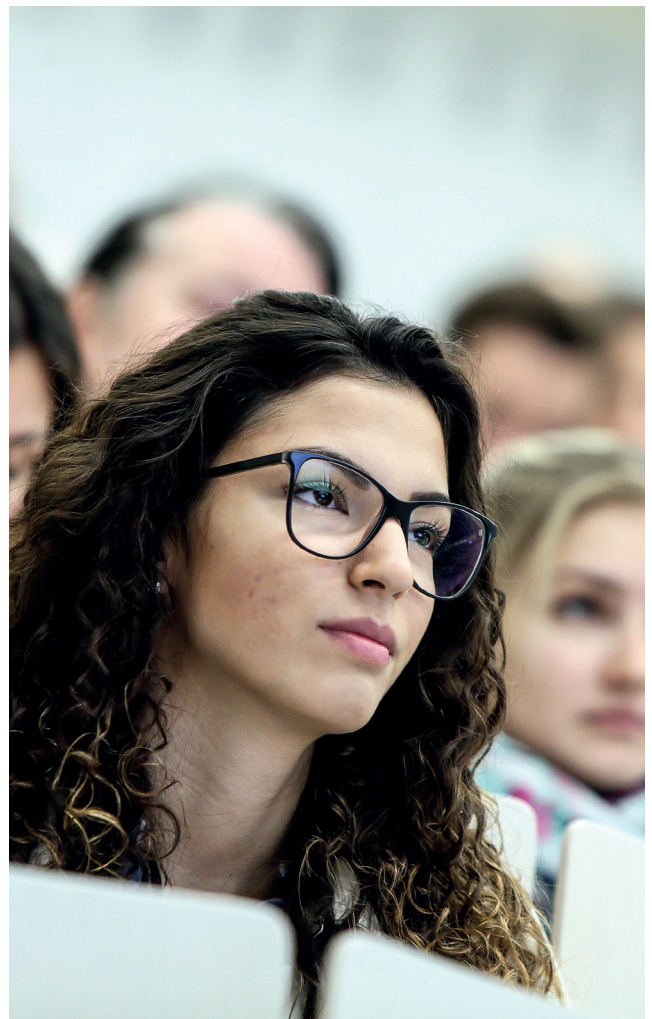
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