Master Info Evening

Computer Science

Your presenter

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Agenda

- ► How to become a CS Master Student

- ► Curriculum

- ► Major Subjects & Complementary Subject

- ► Master's Thesis

- ► How to graduate / Master Examination

- ► Your Questions

Online questions in the chat please :)

Become a Computer Science Master Student

✨ Slay ✨

Admission

- ► Graduates of **Informatik** (Bachelor JKU) are admitted **without restrictions**. Bachelors of *Artificial Intelligence, Wirtschaftsinformatik* and *Elektronik und Informationstechnik* are admitted under the condition that they complete a [list of courses](#) as part of the Complementary Subject.

- ► Graduates of Computer Science or related programs from other universities are admitted if their degree programs are basically equivalent to Informatik at JKU.

  - ► Equivalence is determined during the application process. Differences between programs can be compensated by replacing one or more courses from the Complementary Subject with courses specified in the notification of admission. If equivalence cannot be fully established the notification of admission can require additional courses with up to 20 ECTS points.

Curriculum

Annex 1: Global map of study subjects - Master's Programme in Computer Science (2013)

1st Semester (WS)		2nd Semester (SS)		3rd Semester (WS)		4th Semester (SS)	
Study subject	ECTS	Study subject	ECTS	Study subject	ECTS	Study subject	ECTS
Major Subject	13,5	Major Subject	13,5	Master's Thesis	8,5	Master's Thesis	16,5
Complementary Subject	13,5	Complementary Subject	13,5	Major Subject (Seminar and Project)	10,5	Master's Examination	2,5
				Master's Thesis Seminar	8	Master's Thesis Seminar	8
Free Electives	3	Free Electives	3	Free Electives	3	Free Electives	3
	30		30		30		30

Major Subjects

- There are different master tracks for different areas of specialization and interests
- Read the curricula, guide and online sources
- You will need to do all courses of one major subject of your choice.
- No wrong choices of courses in the beginning: You can use all master computer science courses for your degree.

- Major subjects:
    - Computational Engineering
    - Data Science
    - Intelligent Information Systems
    - Networks and Security
    - Pervasive Computing
    - Software Engineering

Complementary Subject

- Any course from any other Major, or a course from Electives can be part of the Complementary Subject.

- You don't have to choose another single Major to be your Complementary - courses can be picked from multiple Majors!

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Major Seminar + Project & Master's Thesis Seminars

- ► Major Seminar + Project: A seminar (3 ECTS) and a project (7.5 ECTS) in your chosen major subject. You have to register for these in KUSSS.

  - ► Can be done on the same topic as your Master's thesis. Please talk to your supervisor about this.

- ► Master's Thesis seminar: during the writing process of the Master's thesis. The content of these seminars depends on your thesis supervisor, please talk to them before registering in KUSSS.

Master's Thesis

🖨️

Master's Thesis

There are three different ways to find a Master's thesis:

1. Ask suitable institute/professor with own topic

2. Ask institute/supervisor which topics are offered. Maybe advertised on their website -> have a look

3. Write thesis at a company

   ► However, you always need a supervisor at JKU. This means that you apply for a thesis at a company and look for a suitable supervisor at JKU. Your supervisor will then tell you the rest of the procedure.
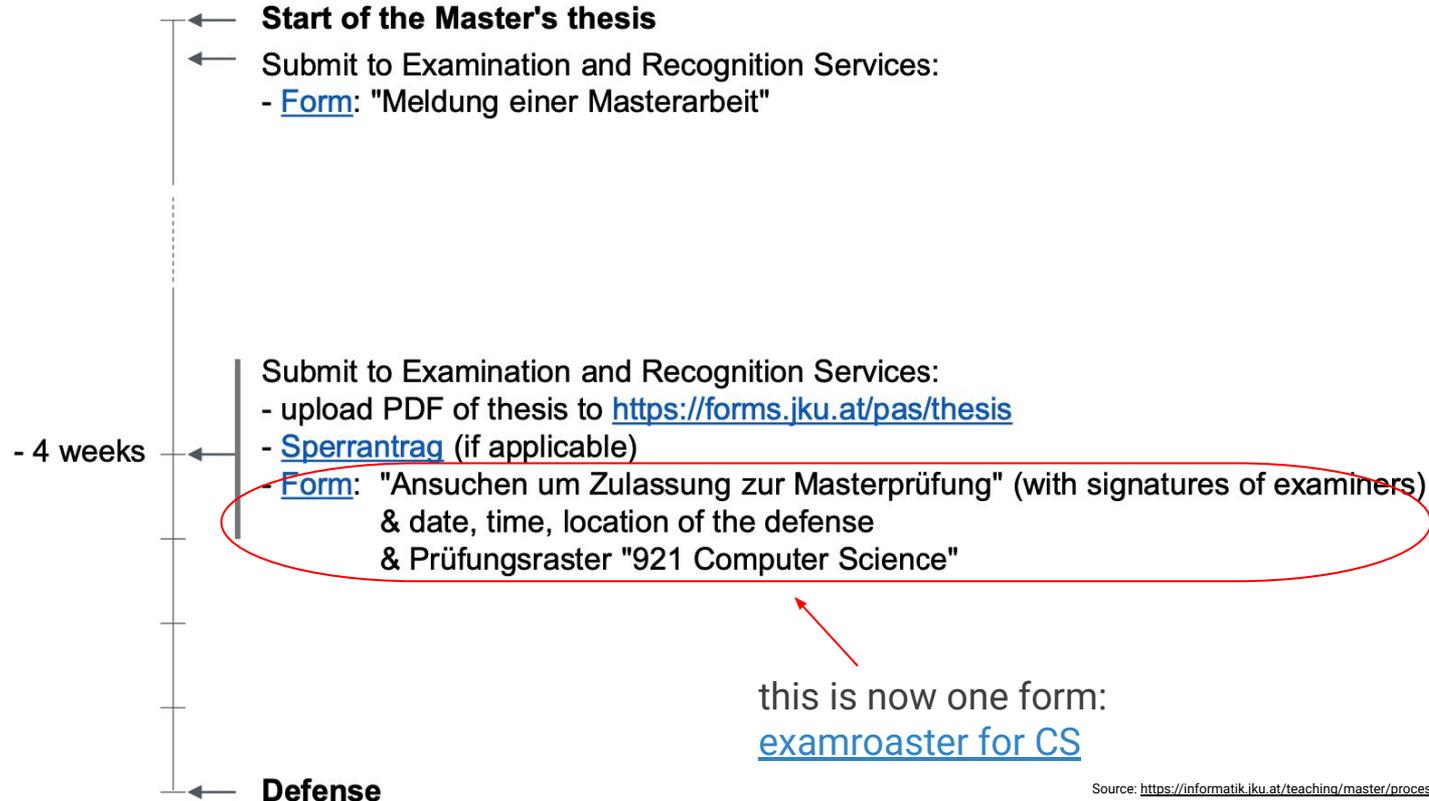
Master's Thesis writing process and completing

► When you have the topic & supervisor -> register it at Examination and Recognition Service (PAS)

► Title page is provided by JKU

► Before uploading your work, send cover sheet to the PAS by email

► After receiving positive feedback from PAS, upload the academic paper in pdf format

► The PDF file must be saved in such a way that the text of the thesis can be further processed digitally. The file should be saved in ISO 19005-1 compatible format (PDF/A) for long-term archiving.
We recommend the template from Dr. Michael Roland from the INS institute at JKU.

► Check out JKU website for more information.

How to graduate

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OHJKU
INFORMATIK

Last steps to earn the Diplom-Ingenieur*in

Start of the Master's thesis

Submit to Examination and Recognition Services:
- Form: "Meldung einer Masterarbeit"

- 4 weeks

Submit to Examination and Recognition Services:
- upload PDF of thesis to https://forms.jku.at/pas/thesis
- Sperrantrag (if applicable)
- Form: "Ansuchen um Zulassung zur Masterprüfung" (with signatures of examiners)
    & date, time, location of the defense
    & Prüfungsraster "921 Computer Science"

this is now one form:
examroaster for CS

Defense

Source: https://informatik.jku.at/teaching/master/process_thesis.pdf

Last steps to earn the Diplom-Ingenieur*in

► If you're nearly finished, send cover sheet of thesis to PAS

► You'll get a link (forms.jku.at/pas/thesis) to upload your thesis in PDF/A format -> Upload thesis when finished

► Your supervisor now has 3 months max to grade your thesis

► You got a grade: register for Master's Examination -> Form (we will discuss this form in 2 slides)

Master's Examination

- ► Final examination of degree program

- ► Assessed by a committee of three professors and consists of the following three parts:

  - ► Master's thesis defence (20 minutes), assessed by the head of the examination committee (not the advisor of the thesis)

  - ► Examination about the Major Subject (20 minutes), assessed by an examiner representing the Major Subject (usually the advisor of the thesis).

  - ► Examination about one or several courses of the Complementary Subject (20 minutes), assessed by an examiner representing these courses (should be from a different institute as the second examiner).

- ► You have to assemble the committee yourself! Talk to your preferred profs for the committee beforehand!

Last form for your degree 🎉

- **Application for Admission to the Master's examination** in CS and the **examroster** are now in the same form
- You'll need:
  - ✔ All grades for Master CS
  - ✔ Already fixed date, time and place for examination
  - ✔ Signatures from all people of your committee
  - ✔ Signature from our Study President Univ.-Prof.in Mag.a Dr.in Gabriele Kotsis
- Date has to be minimum 4 weeks after submission of the form
- Room can be booked via institute or raumbewirtschaftung@jku.at. Tell them reason, date, time and for how many people and preferred building/room

General tips

- ► Check out course [Scientific Writing in Technical and Natural Sciences](#) (3 ECTS) if you want to

- ► Always stay in contact with your thesis supervisor

- ► Use this [template](#) for your Master's thesis

- ► Don't overwork yourself, think of your scope (and the ECTS the thesis/project/seminar is worth) and try to make the best of it

- ► Try to keep it cool when something doesn't immediately go as planned

- ► Any questions later on: Email informatik@oeh.jku.at

- ► Additional info: soon a brand-new guide will be online :)

Thank you for your attention!

Please ask your questions now!

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