Introduction Master Computer Science

Winter Semester 2021/2022

Academic Advisor for Master Computer Science
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Masters’ Goals and Overview
Goals of the Master Program

• In-depth education
  - Broad range of elective subjects, mostly research-oriented

• Greater independence
  - Seminar, Software Lab, Master's thesis

• More responsibility for future job
  - Ideation and leadership qualities
  - Less implementation

• Qualification for PhD
Overview of the Master Program

- Comprises **120 ECTS credits** (Credit points, Leistungspunkte) in **4 semesters** (Regelstudienzeit)
  - ECTS credits are reflecting a course’s workload
  - 30 Credits are full workload for one semester

- Only few mandatory achievements
  - No fixed study plan
  - No mandatory courses, freedom of choice
    - With restrictions ;-)
  - Large responsibility for own studies!
Overview of the Master Program

Courses (electives)

- 1 Seminar: 4 Credits
- 1 Software Lab: 7 Credits
- Focus colloquium: 3 Credits
- Master’s thesis: 30 Credits
- Minor (Application Subjects): 14 – 18 Credits*

Total Credits: 120 Credits

*exact number depends on chosen subject
## Restrictions on Choosing Electives

<table>
<thead>
<tr>
<th>Theoretical Computer Science</th>
<th>Software and Communication</th>
<th>Data- and Information Management</th>
<th>Applied Computer Science</th>
</tr>
</thead>
<tbody>
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<td>12 CP – 35 CP</td>
<td>&lt; 35 CP</td>
<td>&lt; 35 CP</td>
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<tr>
<td>Algorithms</td>
<td>Software Engineering</td>
<td>Databases</td>
<td>Speech Recognition</td>
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<td>Logic</td>
<td>Internet Technologies</td>
<td>Data Science</td>
<td>Computergrafics</td>
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<td>Verification</td>
<td>Distributed Systems</td>
<td>Cryptographie</td>
<td>High Performance Computing</td>
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<tr>
<td>Modelling</td>
<td>Embedded Systems</td>
<td>Artificial Intelligence</td>
<td>Machine Learning</td>
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<tr>
<td>...</td>
<td>...</td>
<td>...</td>
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</tr>
</tbody>
</table>

- **Minimum of 12 credits for electives in theoretical computer science**
- **Maximum of 35 credits per field**
  - Note: Excluding your seminar, software lab and focus colloquium
  - Hard limit: If you exceed 35 credits, the last exams will not be counted!
### Possible Study Plan

- This plan is just on possibility.
  - Plan ahead!
  - Not all courses are offered each semester, some require early registration

<table>
<thead>
<tr>
<th>Semester</th>
<th>Courses</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>1. Semester</td>
<td>3x Elective, Theory Elective Start Minor Course on Scientific Integrity</td>
<td>30 CP</td>
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<tr>
<td>2. Semester</td>
<td>2x Elective, Theory Elective Seminar, Focus Colloquium Continue Minor</td>
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<td>3. Semester</td>
<td>3x Elective Software Lab Finish Minor</td>
<td>29 CP</td>
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<tr>
<td>4. Semester</td>
<td>Master Thesis</td>
<td>30 CP</td>
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Overview of the Master Program

- Sometimes the courses don't add up to 120 Credits exactly. You need at least 120 Credits.
- 18 Credits in Minor is a soft limit. You need at least 18 CP in most cases. Details on minors later.
- All other limits are hard limits. Courses getting you over the limit will not be counted.
- All courses fully contribute to your overall grade or not at all. Courses will not be counted partially, if you hit a limit.

Courses (electives)  
57 – 63 Credits

- 1 Seminar
- 1 Software Lab
- Focus colloquium
- Master’s thesis
- Minor (Application Subjects)  
14 – 18 Credits

120 Credits
Courses and Exams
Courses (Electives)

• One elective course usually comprises
  ▪ Lecture
  ▪ Exercise (pratical and/or theoretical), maybe exercise groups
  ▪ Usually V3 Ü2 oder V3 Ü1, 6 Credits
    - V3 = 3 hours of lecture per week
    - Ü2 = 2 hours of exercise per week
• Examined by final exam at the end of the semester
  ▪ Two exams per year, usually both at end of the semester
    - In some minors: one exam per semester
  ▪ Written or oral, decided by teachers
  ▪ Teachers can decide on exam admission criteria!
    - Hand in solutions which are corrected by teachers, achieve minimum score
    - Pass a presence exercise / midterm exam
    - ...
  ▪ Note: exam admissions only valid for one year!
ZPA & RWTHonline

- **RWTHonline**: https://online.rwth-aachen.de
  - Campus management system of RWTH Aachen University
  - Overview on courses offered per semester
  - Examination regulations
    - Overview about all courses (modules) assigned with a study program
  - Study management for students
    - Registration for courses & exams
    - Overview of study status & grades
    - …
  - Manuals: https://wiki-intern.rwth-aachen.de/display/RD/Manuals+for+Students

- **ZPA**: Zentrales Prüfungsamt (Central Examination Office)
  - Administrative management of exams, administration of grades, issuing transcripts
Registering for Elective Courses (Lecture and Exam)

• Register for each lecture/exercise via RWTHonline
  ▪ Getting access to all learning material: slides, exercise sheets, lecture recordings, …
    - Mostly via RWTHmoodle learning rooms
  ▪ Course dates are filled in into your internal calendar
  ▪ You are put on the mailing list for the course
  ▪ Note: no unified registration periods! Each teacher configures own ones. Check registration periods of interesting courses timely!
  ▪ Separate registration for lecture and exam!

• What if there is no registration???
  ▪ Maybe the teacher has not yet configured anything…
  ▪ Or a teacher manages all material and e-mail lists on own web pages
  ▪ Always try to attend first lecture of a course to get such organizational information!
Registering for Elective Courses

1. Open the course semester you would like to plan by clicking on the triangle that appears before each listed semester.
2. Select the module. Symbol:
3. Select the offer node. Symbol:
4. The semester is shown in the course title (a). If necessary, check the academic year is correct and change it using the arrow button (b).
5. Click on the green T symbol in the “Part” column: (c) If the symbol is red or gray, it is not possible to register for the course.
Registering for Elective Courses

1. You will see this registration form. It is always the same, whether you are using the Curriculum Support, My Calendar, or My Courses apps.

2. Review your entries.

3. If you are not sure whether you would like to take the course, you can add the course group to your favorites. Click on the star next to the group title and then BACK. Your bookmarked dates will now appear in your calendar, although you are not yet registered on the course. (see Slide 12).

4. If you would like to take the course, click on CONTINUE on the form.
Registering for Elective Courses

1. Select the SPO context. Only choose the “free registration” option if no SPO context is available. Places on courses with limited capacity will e.g. often be preferentially allocated to registrations with SPO context.

2. If you can choose from several groups, select your preferred group and specify your preference ranking.
Registering for Elective Courses

1. Click on ENTER PLACE REQUEST to complete your registration. This button appears once you have entered all the required details.

2. Follow the menu prompts until the system shows that you have submitted your request. Your request for a place will first be reviewed. Once you have been allocated a place you are registered on the course.
Registering for Elective Courses

1. Check your registration status under “My Courses” in the Courses app.
2. You can edit or cancel your request for a place here within the stated deadlines.

NOTE: registering for a course does not mean you are registered for the relevant exam(s). You must register for all your exams in an additional process (see Slide 22ff.)
Registering for Exams

- Registering for lectures/exercises only allows you to participate in a course
- **Additional registration for exam required!**
  - Separate registrations for first and second exam configured
    - Only possible to register for one date
    - In doubt, register for the first one
- **Registration period**
  - Standard for first exam: 1st October – 15th December
  - Standard for second exam: until 7 days before exam date
  - Important note:
    - Carefully check periods for each course! Teachers can modify them!
    - Listen for announcements for summer semester
  - Do not forget registration! Late registrations generally not possible!

Dates may be different! Always check!
Registering for Exams

1. Open the course semester you would like to plan by clicking on the triangle that appears before the listed semester.
2. Select the module. Symbol:
3. Select the exam node. Symbol:
4. The semester is shown in the exam title (a). If necessary, check the academic year is correct and change it using the arrow button (b).
5. Click on the green P symbol in the “Part” column (c). If the symbol is red or gray, it is not possible to register for the exam.
Registering for Exams

Semester recommendations will not always be given. In such cases, use “Curriculum” in Curriculum Support.

Example of registering for an exam:
1. Click on “Exam date” in the NODE FILTER drop down menu. (a)
2. Registering for a course via the curriculum works in the same way. Use “NODE FILTER (all)” for this.
3. Open the exam nodes for the exam you would like to take and check the academic year (see Slide 24.)
4. Click on the green P symbol to open the registration form. (b)
Registering for Exams

The “Subject exam/Module exam” window will open. This happens whether you register via Curriculum Support, your Calendar, the Examination Dates, or the Exam Registration app. Under “Exam dates and registration” select CONTINUE TO REGISTRATION.
Registering for Exams

1. Check the exam details.
2. Make sure your programme details are correct.
3. Click on REGISTER and follow the menu prompts until the system confirms you are registered.

It is only possible to be preliminarily registered for some exams.

What does “preliminarily registered” mean?
In some subjects you are required to fulfill certain prerequisites before taking the exam. These are clearly laid out in the module catalog of your examination regulations.

When you submit a conditional registration, the prerequisites will be checked at a later time. If you have fulfilled the prerequisites up to 6 days before the exam date, the system will automatically register you for the exam. If you have not fulfilled them by this time, you will be de-registered.
Registering for Exams

- You can see an overview of your exam registrations via the Exam registration application in the "My Exams" tab.
- You can de-register here within the stated deadlines. To do so, click on DEREGISTER in the Operations column. The "Subject exam/Module exam" window will open. (see Slide 27)

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<table>
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<tr>
<th>No.</th>
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<th>Date</th>
<th>Place</th>
<th>Deregistration until</th>
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<td>1.880.75.026</td>
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<td>Morphology II</td>
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<td>DEREGISTER</td>
</tr>
</tbody>
</table>

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![Exam registration screen](image-url)
(De-)Registration for Exams

• Withdrawal of exam registration possible
  ▪ Untill three working days before the exam date

• Not taking an exam because of illness
  ▪ Doctor's certificates must be issued on the day of the exam the latest
  ▪ Certificate must indicate that you cannot take exams on that day („not fit for work“-certificates are not sufficient!)
  ▪ Must be handed in at ZPA at latest on the third working day after the respective exam
    - Just informing the professors is not sufficient. You need to submit the medical certificate to the ZPA!
  ▪ ZPA withdraws your registration
  ▪ Official regulations: https://www.rwth-aachen.de/go/id/eir/lidx/1

• Missing a registered exam without medical certificate
  ▪ Counts as fail

Most special rules due to COVID-19 are not in effect any more!
Deregistering for Exams

The following applies to all Bachelor's and Master's degree programmes:

A de-registration within the stated deadline (a) is not considered as a withdrawal by the system and will not appear in the printout of your study record.

If you would like to de-register from an exam, click on CONTINUE TO DEREGISTRATION (b) and follow the menu prompts until the system confirms you are de-registered.
Repeating Exams

• Participation in 2nd exam
  ▪ If failing 1st exam, withdrawing registration or being ill
  ▪ New registration required!
    - Possible only after results of 1st exam are published
  ▪ Remember: every exam has to be actively registered for!

• You can take each exam at most three times
  ▪ Exam plus two repetitions
  ▪ When failing three times, you cannot take that course any more
  ▪ IF failing the course ends your studies, you can take an oral supplementary examination
    - You have to apply for it in time
    - But, very unlikely in Master Computer Science, as you can switch to other electives
Seminar and Software Lab

• **Seminar**: Independant elaboration of a topic from existing literature
  - Literature survey, writing a paper & giving a talk
  - Teachers offer seminars on various topics of their research directions
  - Typically 10 – 30 participants

• **Software Lab**: Solve practical tasks
  - No industry practicals!
  - Development, implementation, constructing prototypes, …
  - Teachers offer practicals on various topics
  - Typically 10 – 20 participants, teamwork

• You cannot take another Seminar or Lab respectively after passing it once!
  - Neither as a replacement for electives nor as voluntary extra course.
    - The attached study plan in the exam regulations outdated and misleading in this regard!

• Both: at most three tries possible
  - Failing three times ends your studies!
Registration for Seminar and Software Lab

• Distribution of places independent of RWTHonline
  ▪ **Central distribution system** for all places in seminars and practicals
  ▪ Online registration in June/July for winter semester and in December/January for summer semester
    - Registration via: https://supra.informatik.rwth-aachen.de/
  ▪ After places’ assignment, you might be asked to register for the assigned seminar/practical via RWTHonline, or the teacher registers you
  ▪ Process announced in kickoff-meeting

• Withdrawal possible until three weeks after distribution of topics
  ▪ Deregister in RWTHonline and announce withdrawal to teacher
  ▪ Process announced in kickoff-meeting
Excursus: Voluntary Additional Courses

- Additional lectures / seminars / practicals can be taken as voluntary courses
  - Not only Computer Science courses, but arbitrary courses offered at RWTH Aachen University
  - You still cannot take the same module multiple times (so no second computer science seminar or lab, because they are all one module)
  - Grades will be on Master's certificate, but they are not considered for your degree and for your final grade

- Registration:
  - Hopefully via RWTHonline
  - If it does not work, via ZPA and the Examiners
  - After registration but before the exam, ZPA must be informed that this course is taken as a voluntary course
Focus Colloquium

• Oral exam on coherent topics
  ▪ Courses with an amount of 12 – 18 Credits in total
  ▪ At least three courses (may include seminar)
  ▪ Can be courses in which you already have done an exam (but does not have to)

• Assessment: 3 Credits
  ▪ Weight for final Master’s grade: 12 Credits (counted 4-fold)
  ▪ … while all other modules are counted corresponding to their credits

• How to find a topic and an examiner?
  ▪ Plan ahead! Think about possible combinations when choosing electives.
  ▪ Contact professors where you did multiple courses already
  ▪ Consider multiple options for the contents and multiple examiners.
  ▪ Individual examiners might only have limited exam dates available! So, schedule it in time.

• Registration:
  ▪ Discuss courses and examination date with examiner
  ▪ Examiners can decide if a specific combination is allowed if it fulfills the formal requirements
  ▪ Registration in RWTHonline via examiner
Course on Scientific Integrity

- **Online Course on Scientific Integrity**
  - Aspects of scientific integrity
    - Honesty, research goals, principles of good scientific conduct
    - Research ethics, social responsibility, diversity, conflicts of Interest, handling research data
  - How to safeguard scientific integrity?
  - How to handle scientific misconduct if encountered?

- **Mandatory for all Master's students enrolled in Winter 2020/21 or later**
  - If you already passed a course focused on scientific integrity in your previous studies, you don't have to take it again.
  - Must be passed before you can register for your Master's thesis.
  - Registration via RWTHonline
  - More information at [https://www.rwth-aachen.de/go/id/mylsw/lidx/1/](https://www.rwth-aachen.de/go/id/mylsw/lidx/1/)
**Master‘s Thesis**

- Typically last part of your studies

- **Independent work on a topic** with methods learnt during the course of studies
  - Practical work, written thesis, talk

- **Master's thesis is handed out (exclusively) by a Computer Science professor**
  - Look on the websites of chairs, contact professors and research assistants to find a topic
  - Topics from other departments or the industry will not be accepted
    - Please don’t suggest topics from the industry or other department to computer science professors.
    - Exception: Professors with a cross assignment to computer science.
  - Industry-cooperation is possible if intended by the supervising professor

- Thesis is evaluated by two reviewers (= professors)
  - Grade is the average of both grades.

- Thesis can be repeated once.
  - If you failed the thesis. You must register for a new thesis within three semesters.
Master’s Thesis

• Assessment: 30 Credits (one full semester)
  ▪ 27 Credits for Thesis
  ▪ 3 Credits for Talk

• Submission Deadline: 6 months from registration

• Registration
  ▪ You must have achieved at least 60 credits to register the thesis
  ▪ Requirements (Auflagen) have to be passed before registration
  ▪ Passed course on Scientific Integrity
  ▪ Topic is handed out by supervising professor (primary reviewer)
  ▪ Personal registration in ZPA
  ▪ Examination Board informs you about your submission deadline
**Application Subjects (Minor)**

- **Standard minors:** [http://www.informatik.rwth-aachen.de/go/id/nfvy/lidx/1](http://www.informatik.rwth-aachen.de/go/id/nfvy/lidx/1)
  - Business Administration (BWL)
  - Electrical Engineering
  - Mathematics
  - Philosophy
  - Mechanical Engineering
  - Medical Sciences
  - Physics
  - Biology
  - Chemistry
  - Psychology
  - ... and possible to apply for other subjects

  - [18 ECTS](http://www.informatik.rwth-aachen.de/go/id/nfvy/lidx/1)

- **If you had no minor in your Bachelor, or you switch minor:**
  - It is your responsibility to acquire the required previous knowledge otherwise taught in the minor of the Bachelor
    - e.g. Get and study using the learning material of the Bachelor courses
    - or attend the Bachelor courses
    - or use external resources
  - Usually the workload is the equivalent to additional 8 – 12 credits (*no proof or exams required*)
Business Administration

- Select from large catalogue of elective courses
  - Operations Research
  - Management
  - Finance
  - Controlling
  - ...

Electrical Engineering

- Two Catalogues, register for courses from both
  - Catalogue A: one of
    - Mathematical System Theory 1 [Summer] und 2 [Winter]
    - Information Theory 1 [Winter] und 2 [Summer]
    - Electromagnetic Fields 1 [Winter] und 2 [Summer]
  - Catalogue B: Electives, at least 8 Credits total
    - Coding and Modulation
    - Control Systems
    - Electrical Machines
    - High Frequency Technology
    - ...
Mathematics

• Choose from relatively large catalogue of elective courses
  - Algebra
  - Numerical Analysis
  - Group Theory
  - Optimization
  - Discrete Mathematics
  - ...
• Choose one of eight specializations:
  ▪ Industrial Engineering
  ▪ Engineering Design
  ▪ Energy Technology
  ▪ Chemical Process Engineering
  ▪ Plastics Engineering
  ▪ Textile Technology
  ▪ Automotive Engineering
  ▪ Aeronautic Engineering

• Usually no choice within specialization
  ▪ It is possible to apply for other specializations
Psychology

• Fixed study plan:
  - Current Topics in Media Psychology
  - Empirical Research Methods and Experiment Design
  - Individuals and Technology - Advancing Seminar I
Medical Sciences

• Two mandatory courses, each 2 Credits
  • Introduction to Medical Informatics
  • Medical Information Systems

• Two elective courses, in total 8 Credits

• Term paper (Studienarbeit), 6 Credits

• Important: You need to apply for this minor at the examination board!
  - Usually just a formality, but required because of the strict national entrance requirements for medical sciences
Physics

• Choose one of three specializations
  ▪ Block A
    - From Molecular to Continuum Physics I + II
    - Computational physics
  ▪ Block B
    - From Molecular to Continuum Physics I + II
    - Quantum Information
  ▪ Block C
    - Experimental Physics III + IV

• No choice of courses within specialization
Philosophy

- Ethics I + II
  - lecture and seminar
- Theoretical Philosophy and Applications
  - choose from multiple seminar topics

- New study plan since this semester!
  - Students who already started this minor in previous semesters may still follow the old plan with theoretical Philosophy and practical Philosophy. Manual registration required.
Chemistry

• Fixed study plan:
  ▪ Technical and Macromolecular Chemistry
  ▪ Applied Spectroscopy and Instrumental Analytics
  ▪ Practical Course in Technical and Macromolecular Chemistry
Biology

- Choose one out of four specializations:
  - Biotechnology
  - Microbiology and Genetics
  - Molecular Biology and Cell Biology
  - Plant Sciences
Which Courses Should I Take?

Presentation of Elective Course
Videos will be Published Online Soon
https://www.informatik.rwth-aachen.de/go/id/cpjfn/lidx/1/
Which Courses should I take?

- Browse list of courses by semester
Which Courses should I take?

- Or use Study Overview to get an overview
Which Courses should I take?

- Every exam regulation (course of study) is depicted as a tree in RWTHonline
- Tree elements are called „nodes“
- Symbols indicate the type of the node

Courses and exams are localized at the lowest node level (offer and exam nodes) and are thus assigned to a curriculum, often called “position in curriculum” or “SPO context.”
### Which Courses should I take?

#### Curriculum

**Academic year 2018/19**

<table>
<thead>
<tr>
<th>Node-Name</th>
<th>Rec. Sem. (WS)</th>
<th>Credits</th>
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<th>WF</th>
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<td>Masterarbeit</td>
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</table>

*88 079 Computer Science (HG-NRW/2009, Master programme, current)*
### Which Courses should I take?

<table>
<thead>
<tr>
<th>Node filler-Name</th>
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<th>Rec. Sem. (WS)</th>
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<td>- [II1212657] String Processing Algorithms and Data Compression Techniques</td>
<td>Yes</td>
<td>1</td>
<td></td>
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</tr>
<tr>
<td>- [II1215560] Algorithmic Foundations of Databases</td>
<td>Yes</td>
<td>6</td>
<td>5</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>- [II1215738] Computational Geometry</td>
<td>Yes</td>
<td>4</td>
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<tr>
<td>- [II1217337] Algorithmic Learning Theory</td>
<td>Yes</td>
<td>6</td>
<td>5</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>- [II113583] Algorithmic Model Theory I</td>
<td>Yes</td>
<td>8</td>
<td>6</td>
<td>1</td>
<td></td>
</tr>
</tbody>
</table>

- If you don't see courses or examinations below an offer node (green circle) or exam node (red triangle) the module is not offered this semester.
- You can click on the arrows next to the year to see when it was last offered.
Which Courses should I take?

- Or study research groups on Computer Science web pages
  - http://www.informatik.rwth-aachen.de/
Which Courses should I take?

• Overall: get overview by
  ▪ RWTHonline: https://online.rwth-aachen.de/
  ▪ Group websites: http://www.informatik.rwth-aachen.de/
  ▪ Inofficial info page of one of our students: https://rwthoffline.de/
  ▪ Introduction to elective courses
    - https://www.informatik.rwth-aachen.de/go/id/cpjfn/lidx/1/
  ▪ At the beginning of the semester: Visit diverse courses to get an impression!
  ▪ Mentor program
**Mentor Program**

- Mentor discussion with a Computer Science professor in small groups
- Registration required

- [http://www.informatik.rwth-aachen.de/go/id/oiqu/lidx/1/](http://www.informatik.rwth-aachen.de/go/id/oiqu/lidx/1/)
Requirements (Auflagen)

• Requirements are listed in approval notice
• Most requirements are automatically added to your Study Overview (curriculum support)
  - Exception: Elective Requirements like „Elective course from Theoretical Computer Science“ only appear after registration

• Need to be fulfilled before start of Master's thesis

• Registration in RWTHonline
  ▪ Special case: „Elective course from Theoretical Computer Science“ needs to be selected from Bachelor Computer Science Catalog and registered personally at the ZPA.
Stay Abroad: Exchange Semester

• Possible during Master's studies: Exchange semester at one of our partner universities
  ▪ New environment, new culture
  ▪ Other teaching culture

• No extension of study duration (... If everything works well!)
  ▪ Transfer of credits achieved at partner university
    - Note: make sure that credits can be transferred before your stay!
  ▪ Leave of absence possible

• When to do a stay abroad?
  ▪ Generally anytime
  ▪ But coordinate with your minor
Start Planning Now!

• Discover possible destinations
  ▪ Country, teaching language, course offerings

• Deadlines and prerequisites
  ▪ Applications for WS have to be submitted till mid December (world-wide) resp. mid February (Europe)!
  ▪ Knowledge of teaching language required
  ▪ Take language courses soon

• More information:
  ▪ International Office (SuperC):
  ▪ Study advisory Computer Science:
    - https://www.comsys.rwth-aachen.de/teaching/outgoings/
Study Advisory & Other Contacts
Computer Science Mailing List

- General Announcements:
  - informatik@lists.rwth-aachen.de
  - Important dates and events, registration for seminars and practicals, ...
  - Subscribe at: https://lists.rwth-aachen.de/postorius/lists/informatik.lists.rwth-aachen.de/
Contacts

• General contacts
  ▪ Central Study Advisory: general and interdisciplinary questions, psychological counseling, workshops/seminars on learning techniques, techniques for exam preparation, etc.
  ▪ International Office: general information on staying abroad

• Study advisors
  ▪ Master Computer Science: David Keller
  ▪ Minors: apl. Prof. Dr. Thomas Noll, Priv.-Doz. Dr. Ralf Klamma
  ▪ Exchange semesters: Dr. Dirk Thiesen

• Offerings by students
  ▪ Allgemeiner Studierendenausschuss (AStA)
  ▪ Fachschaft I/1 (Mathematik/Physik/Informatik)
Central Study Advisory

• Tasks:
  ▪ General and interdisciplinary questions
  ▪ Psychological counseling
  ▪ Workshops/seminars on techniques for learning and exam preparation

• Contact:
  ▪ Templergraben 83, 52062 Aachen
  ▪ Phone: 80-94050
  ▪ E-Mail: studienberatung@rwth-aachen.de
  ▪ http://www.rwth-aachen.de/go/id/rcw/lidx/1
Academic Advisor Computer Science

- Study Advisor
  - David Keller, M.Sc.

- Kontakt
  - master@cs.rwth-aachen.de

- Consultation hours:
  - Monday 12:30 – 13:30, Room 9220 (Ahornstr. 55, E3)
  - Currently no consultation hours due to COVID-19

- Website
  - http://www.informatik.rwth-aachen.de/go/id/mdng/lidx/1
Websites about Master Computer Science

• http://www.informatik.rwth-aachen.de/go/id/mdng/lidx/1

• Slides
• FAQs
• Contact information of advisors
• Current examination regulations
• etc.
Advisors for Application Subjects

• Mathematics, Physics, Biology, Chemistry, Business Administration
  ▪ Priv.-Doz. Dr. Ralf Klamma
    - klamma@informatik.rwth-aachen.de
    - Lehrstuhl für Informatik 5, Informatikzentrum, Ahornstr. 55
    - Raum 6236, Gebäude E2, 2. Etage
    - Consultation hours: on appointment

• Electrical Engineering, Mechanical Engineering, Medical Science, Philosophy
  ▪ apl. Prof. Dr. Thomas Noll
    - noll@cs.rwth-aachen.de
    - Lehrstuhl für Informatik 2, Informatikzentrum, Ahornstr. 55
    - Raum 4211, Gebäude E1, 2. Etage
    - Consultation hours: on appointment
Advisor for Exchange Semesters

• Information for students of Computer Science
  ▪ Dr. Dirk Thißen
    - student-exchange@cs.rwth-aachen.de
    - Lehrstuhl für Informatik 4, Informatikzentrum, Ahornstr. 55
    - Raum 9014, Gebäude E3, Erdgeschoss
    - Consultation hours: on appointment
    - http://www.comsys.rwth-aachen.de/teaching/exchange/

• General information
  ▪ International Office
  ▪ SuperC, Templergraben 57
  ▪ http://www.rwth-aachen.de/go/id/ehh/lidx/1
Allgemeiner Studierenden Ausschuss (AStA)

- Allgemeiner Studierendenausschuss (AStA) der RWTH Aachen
  - University-wide Representation of Interests of all Students at RWTH
    - representing the students’ interests in university policy towards the university, the state and the public
    - managing the financial resources of the student body
    - advising on a wide range of social and student issues
    - organizing a cultural program
    - political education
  - Elected annually by the student parliament, which is elected by all students

- Contact
  - Pontwall 3, 52062 Aachen
  - Opening Hours
    - Mon-Wed, Fri 10-14, Thu 14-18
  - Phone: 80-93792
  - asta@asta.rwth-aachen.de
  - www.asta.rwth-aachen.de
**Fachschaft**

- Student body association of Mathematics, Physics and Computer Science
  - Augustinerbach 2a, 52062 Aachen
  - Phone: 80-94506
  - Opening Hours:
    - Mo-Fr 12:30-14 Uhr (during the semester)
    - Di und Do 12:30-14 Uhr (during the lecture free period)
  - Office in the Computer Science Building, Ahornstraße 55, Raum 2015
    - Phone: 80-26741
    - Opening Hours
      - none during the lecture free period
      - announced at the beginning of the semester
      - in general: Whenever the door is open
  - fs@fsmpi.rwth-aachen.de
  - http://www.fsmpi.rwth-aachen.de/
Institutions

• Computer Science Institutions
  ▪ Computer Science Library

• University institutions
  ▪ Textbook collection (Lehrbuchsammlung)
  ▪ Main library
Central Examination Office (ZPA)

• Registering for master’s thesis
• Maybe necessary to contact in case of trouble with study records
  ▪ SuperC, Templergraben/Wüllnerstr.
  ▪ Opening hours:
    - Mon & Wed 13:00 - 15:45
    - Tue & Thu 9:00 - 12:30
    - Fri on appointment
RWTHonline Support

• Instructions
  ▪ RWTH’s internal Wiki: https://wiki-intern.rwth-aachen.de/
  ▪ Videos for students by students https://rwth.video/RWTHonline

• RWTH Web
  ▪ The most important information on your studies at http://www.rwth-aachen.de/academics
  ▪ Registrar’s Office, International Office
  ▪ Central Examination Office
  ▪ AStA – Students’ Committee, Student Councils

• Student Advising
  ▪ Departmental Advisors
  ▪ Student Advice Centre

• Technical Support
  ▪ rwthonline@rwth-aachen.de
Computer Science Institutions

- Computer Science Library

  - Address:
    - Informatikzentrum, Ahornstr. 55
    - Rooms 4001-4007
  
  - Opening hours:
    - Mon – Thu 8:30-19:30
    - Fri 8:30-17:00

  - Contact:
    - Phone: 80-21026
    - biblio@informatik.rwth-aachen.de
    - https://www.informatik.rwth-aachen.de/go/id/gszfh/
Services of the library

- Large amount of books and journals
- Literature to current lectures
- Seminars on literature surveys
- Several student working rooms
- Kinder & Wissenschaft (KiWi):
  - Student working room with toys and facilities for baby change
- Outdoor facility
**Special Regulations due to COVID-19**

- Multiple special regulations are in effect
  - courses with too many participants are online
    - Even if the lecture is online, exercises in smaller groups may be offline!
  - Many special regulations expired! (modified deregistration, free-attempt regulations, extended study time)
  - Travel restrictions

- Restrictions regarding entering university buildings, most important:
  - „3G-Rule“ (geimpft, getestet, genesen – vaccinated, recovered or tested) in most buildings and lectures
  - Mask mandates (medical masks or FFP2 mask)

- Do I need to be in Aachen?
  - Most likely yes. The policies that forbid offline lectures expired and the university is required to offer at least 50% of all teaching in person. Professors may still offer online or hybrid courses within this framework.
  - Yes for the exams

- Regulations will change depending on the current situation
- For current updates and regulations see https://www.rwth-aachen.de/corona and https://www.aachen.de/corona
- Slides available online at (soon):
  - https://www.informatik.rwth-aachen.de/go/id/cpjfn/lidx/1/

- Mailing List: https://lists.rwth-aachen.de/postorius/lists/informatik.lists.rwth-aachen.de/
  - register now!
Thank You for your Attention

David Keller

RWTH Aachen University
52056 Aachen

www.rwth-aachen.de