Department of Computer Science
of the Faculty of Mathematics, Computer Science and Natural Sciences

Introduction

Master Computer Science
Summer semester 2019

Dirk Thißen

Academic Advisor: David Korzeniewski, M.Sc.
Master’s Goals & Overview
Goals of the Master Program

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

- **Greater independance**
  - Seminar, Practical, Master’s thesis

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

- **Qualification for PhD**
Overview of Master Computer Science

- 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 Master Computer Science

**Structure of study program:**

<table>
<thead>
<tr>
<th>Component</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Courses (electives)</td>
<td>57 – 63 Credits</td>
</tr>
<tr>
<td>1 Seminar</td>
<td>4 Credits</td>
</tr>
<tr>
<td>1 Practical</td>
<td>6 – 8 Credits</td>
</tr>
<tr>
<td>Depth oral colloquium</td>
<td>3 Credits</td>
</tr>
<tr>
<td>Master’s thesis</td>
<td>30 Credits</td>
</tr>
<tr>
<td>Minor (Application Subjects)</td>
<td>14 – 18 Credits</td>
</tr>
<tr>
<td><strong>Total Credits</strong></td>
<td><strong>120 Credits</strong></td>
</tr>
</tbody>
</table>

**Computer Science (Major)**  
72 - 76 Credits

**Minor**  
14 - 18 C.

**Master’s thesis**  
30 Credits
Restrictions on choosing Elective Courses

- **Four fields in Computer Science:**

  - **Theoretical CS**
    - 12-35 Credits
  - **Software & Communication**
    - 0-35 Credits
  - **Data- & Information-Management**
    - 0-35 Credits
  - **Applied CS**
    - 0-35 Credits

- Minimum of **12 credits** for electives in theoretical computer science
- Maximum of **35 credits per field**
  - Note: including your seminar
- Mandatory to take exams in **at least three fields**
Possible (!) Course of Study

<table>
<thead>
<tr>
<th>Semester</th>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Elective Theoretical Computer Science V3 Ü2</td>
<td>6</td>
</tr>
<tr>
<td>1.</td>
<td>Elective Computer Science V3 Ü2</td>
<td>6</td>
</tr>
<tr>
<td>1.</td>
<td>Elective Computer Science V3 Ü2</td>
<td>6</td>
</tr>
<tr>
<td>1.</td>
<td>Elective Computer Science V3 Ü2</td>
<td>6</td>
</tr>
<tr>
<td>1.</td>
<td>Minor V3 Ü2</td>
<td>6</td>
</tr>
<tr>
<td>2.</td>
<td>Elective Theoretical Computer Science V3 Ü2</td>
<td>6</td>
</tr>
<tr>
<td>2.</td>
<td>Elective Computer Science V3 Ü2</td>
<td>6</td>
</tr>
<tr>
<td>2.</td>
<td>Elective Computer Science V3 Ü2</td>
<td>6</td>
</tr>
<tr>
<td>2.</td>
<td>Seminar S2</td>
<td>4</td>
</tr>
<tr>
<td>2.</td>
<td>Minor V3 Ü2</td>
<td>6</td>
</tr>
<tr>
<td>3.</td>
<td>Elective Computer Science V3 Ü2</td>
<td>6</td>
</tr>
<tr>
<td>3.</td>
<td>Elective Computer Science V3 Ü2</td>
<td>6</td>
</tr>
<tr>
<td>3.</td>
<td>Elective Computer Science V2 Ü1</td>
<td>4</td>
</tr>
<tr>
<td>3.</td>
<td>Practical P4</td>
<td>7</td>
</tr>
<tr>
<td>3.</td>
<td>Minor V3 Ü2</td>
<td>6</td>
</tr>
<tr>
<td>4.</td>
<td>Depth Oral Colloquium</td>
<td>3</td>
</tr>
<tr>
<td>4.</td>
<td>Master’s thesis</td>
<td>27</td>
</tr>
<tr>
<td>4.</td>
<td>Master’s colloquium</td>
<td>3</td>
</tr>
</tbody>
</table>

ECTS:

- 30 ECTS
- 28 ECTS
- 29 ECTS
- 33 ECTS
Courses & Exams
Courses (Electives)

- One elective course usually comprises
  - Lecture
  - Exercise (practical 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!
RWTHonline & ZPA

- **RWTHonline**: [https://online.rwth-aachen.de](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](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/Exercise)

- **Register for each lecture/exercise via RWTHonline**
  - Getting access to all learning material: slides, exercise sheets, lecture recordings, …
    - Mostly via [RWTHmoodle](https://moodle.rwth-aachen.de) 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!

- **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

Desktop

Filter... x

Applications
Certificates (Documents)
Course of Studies
Courses
Current/ Home Address
Degree Programmes
Exam Registration (available soon)
Help
Language Center
Modules
My Achievements (available soon)
My Calendar
My Courses
News Ticker
Study Overview (Curriculum Support)
Tuition Fee
exam dates
Registering for Elective Courses

Courses

Organization: RWTH Aachen University
Term: 2018 W

- **Advanced Control Systems**
  - Lecture: Misgeld, Berno Johannes Engelbert
  - Course Code: 61.36955
  - Type: L | 2 SWS

- **Advanced Control Systems**
  - Lecture: Misgeld, Berno Johannes Engelbert
  - Course Code: 61.36953
  - Type: E | 1 SWS

- **Advanced Internet Technology (Exercise)**
  - Lecture: Thüsen, Dirk
  - Course Code: 12.22387
  - Type: E | 1 SWS

Options for registration:
- **Course open for registration**
- **Course registration**
Registering for Elective Courses

Courses

Organisation: RWTH Aachen University
Term: 2018 W
Curriculum: Informatik [2009], ...

12.01058 Basic Techniques in Computer Graphics
E | 2 SWS
Lecturer: Kobbelt, Leif

12.01221 Basic Techniques in Computer Graphics
L | 3 SWS
Lecturer: Kobbelt, Leif

12.56283 Current Topics in Computer Graphics, Geometry Processing and 3D Prototyping
SE | 2 SWS
Lecturer: Kobbelt, Leif

There are no registration procedures for this course.

Course open for registration

COURSE REGISTRATION
Registering for Elective Courses

Course registration

1. Basic Techniques in Computer Graphics
   - Enrollment: from 03.10.18, 00:00 to 28.02.19, 23:59
   - Deregistration: to 29.03.19, 23:59

2. Ranking options
   - 1. Los (lang)

Participants
   - Unlimited number of participants

Continue
If possible, never choose „free registration“! Always register as Master Computer Science!
Registering for Elective Courses

Course registration

Study Programme
- Informatik (HG-NRW)

Choose your desired study programme first.

Basic Techniques in Computer Graphics
- not registered

Registration is performed for all course groups.

12.01221 Basic Techniques in Computer Graphics

Standardgruppe

Lecturer
- Kobbelt, Leif

Dates
- Tue, 09.10.18, 14:30 - 16:00
- AH V (2356)(050)
- ... show all

Please check your course place request before you finally save it.
- Name: Anne Claudia Gehre
- Selected study programme: 1480 06 079 Informatik (HG-NRW)
- Registration procedure: Basic Techniques in Computer Graphics
- Course groups: Basic Techniques in Computer Graphics: Standardgruppe

Enter Place Request CANCEL

Free registration
# Registering for Elective Courses

## My courses

### Term
- **2018 W**

### Filter by course number or course title

### 12.01221 Basic Techniques in Computer Graphics - Standardgruppe
- **L | 3 SWS**

**Registration procedure:** Basic Techniques in Computer Graphics

**Degree programme:** 1480 06 079 Computer Science

Registration editable until 28.02.2019, Deregistration until 29.03.2019

**Entries per page:** 20

**Requirements met**

**EDIT REGISTRATION**
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 April – 14th June
  - Standard for second exam: till 7 days before exam date
  - Important note:
    - Carefully check periods for each course! Teachers can modify them!
    - Listen for announcements for winter semester
  - Do not forget registration! Late registrations generally not possible!
Registering for Exams

Desktop

Exam Registration (available soon)

exam dates
# Registering for Exams

## Exam Dates

Exam Dates at the Organisation

**Chair of Computer Science 8 (Computer Graphics and Multimedia)**

<table>
<thead>
<tr>
<th>Exam Code</th>
<th>Exam Details</th>
<th>Registration Period</th>
<th>Deregistration until</th>
<th>Exam Details</th>
<th>Registration Period</th>
<th>Deregistration until</th>
</tr>
</thead>
<tbody>
<tr>
<td>12.PV21514</td>
<td>Basic Techniques in Computer Graphics (FA) 02.02.2019, 08:30 - 10:30</td>
<td>03.12.2018, 00:00 - 10.01.2019, 23:59</td>
<td>30.01.2019</td>
<td>Examiner: Kobbelt, Leif Currently registered: 0 (max. 9999)</td>
<td>Registration is not possible yet. Please see the registration period.</td>
<td></td>
</tr>
</tbody>
</table>
(De-)Registering 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
  - Must be handed in at ZPA at latest on the third working day after the respective exam
  - ZPA withdraws your registration

- **Missing a registered exam without medical certificate**
  - Counts as fail
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
Seminar & Practical

- **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

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

- Both: at most three tries possible
  - Failing three times ends your studies!
Participation in Seminars & Practicals

- 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://algo.rwth-aachen.de/fgi/page.quax?code=Angebot
  - 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 or announce withdrawal to teacher
    - Process announced in kickoff-meeting
Excursus: Voluntary Courses

- Additional lectures / seminars / practicals can be taken as voluntary courses
  - Not only Computer Science courses, but arbitrary courses offered at RWTH Aachen University

- 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
  - After registration but before the exam, ZPA must be informed that this course is taken as a voluntary course
Depth Oral Colloquium

- **Oral exam on coherent topics**
  - Courses with an amount of 12 – 18 Credits in total
    - At least three courses
    - Can be courses in which you already have done an exam

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

- **Registration:**
  1. Discuss courses and examination date with examiner
  2. Personal registration in ZPA
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** (and his/her research assistants)
- Industry-cooperation is possible in agreement with the supervising professor
- Thesis is evaluated by two reviewers (= professors)
- Thesis can be repeated **once**
Master’s Thesis

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

- Registration
  - You must have achieved at least 60 credits to register the thesis
  - Prerequisites (Auflagen) have to be fulfilled before registration
  - Topic is handed out by supervising professor (primary reviewer)
  - Personal registration in ZPA
Minors (Application Subjects)

- **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
  - New from today on: Psychology
  - … and possible to apply for other subjects

- **If you had no minor in your Bachelor, or you switch minor:**
  - Additional 8 – 12 credits from Bachelor required (no formal proof)
Minor in Psychology
for Computer Science Students (Bachelor & Master)

It is necessary to set up an appointment with the department advisor in order to file an application for the approval of a minor in psychology!
Astrid Rosenthal-von der Pütten
Chair Individual and Technology (iTec)
Department of Society, Technology, and Human Hactors

HumTec Human-Technology-Center
RWTH Aachen University

arvdp@humtec.rwth-aachen.de
Minor in Psychology – Bachelor Studies

22 ECTS to be acquired in five courses:

<table>
<thead>
<tr>
<th>Course</th>
<th>Starting When?</th>
<th>ECTS</th>
<th>SWS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Statistics</td>
<td>Summer (2020)</td>
<td>6</td>
<td>2+1</td>
</tr>
<tr>
<td>Social Psychology</td>
<td>Winter (now &amp; 19/20)</td>
<td>4</td>
<td>2</td>
</tr>
<tr>
<td>Cognitive Psychology</td>
<td>Summer (2020)</td>
<td>4</td>
<td>2</td>
</tr>
<tr>
<td>Communication Psychology</td>
<td>Winter (19/20)</td>
<td>4</td>
<td>2</td>
</tr>
<tr>
<td>Media Psychology</td>
<td>Summer (2020)</td>
<td>4</td>
<td>2</td>
</tr>
</tbody>
</table>

All courses are taught in English
Written exams (60 min)
Minor in Psychology – Master Studies

14 ECTS to be acquired in three courses:

<table>
<thead>
<tr>
<th>Course</th>
<th>Term/ Starting When?</th>
<th>ECTS</th>
<th>SWS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Empirical Research Methods and Experiment Design*</td>
<td>Summer (now &amp; 2020)</td>
<td>6</td>
<td>2+1</td>
</tr>
<tr>
<td>Current Topics in Media Psychology (Seminar)**</td>
<td>Summer (now &amp; 2020)</td>
<td>3</td>
<td>2</td>
</tr>
<tr>
<td>Individuals and Technology - Advancing Seminar***</td>
<td>Winter &amp; Summer (19/20)</td>
<td>5</td>
<td>1+1</td>
</tr>
</tbody>
</table>

*Active participation in experimental studies, and written exam (60 min.)
**Review assignments and oral presentation during course
***Review assignment (written assignment), study idea presentation (oral presentation), written experimental protocol

All courses are taught in English
## Courses this semester

<table>
<thead>
<tr>
<th>Nr.</th>
<th>Veranstaltung</th>
<th>Dozent</th>
<th>Datum / Zeit</th>
<th>Ort</th>
</tr>
</thead>
<tbody>
<tr>
<td>7500000</td>
<td>Lecture Social Psychology</td>
<td>Rosenthal-von der Pütten</td>
<td>Tuesdays 08:30 h - 10:00 h</td>
<td>Wüllnerstr. 5 b Gebäude 1810 Raum 513</td>
</tr>
<tr>
<td>7500012</td>
<td>Seminar Current Topics in Media Psychology</td>
<td>Bock &amp; Abrams</td>
<td>Mondays 10:30 h - 12:00 h</td>
<td>Theaterplatz 14 3. OG Raum 303</td>
</tr>
<tr>
<td>7500001</td>
<td>Lecture Empirical Research Methods and Experiment Design</td>
<td>Pieczykolan</td>
<td>Wednesdays 12:30 h - 14:00 h</td>
<td>Theaterplatz 14 4. OG Raum 407</td>
</tr>
<tr>
<td>7500002</td>
<td>Practical</td>
<td></td>
<td>14:00 h - 14:45 h</td>
<td>Theaterplatz 14 4. OG Raum 407</td>
</tr>
</tbody>
</table>
Business Administration (BWL)

- Select from large catalogue of elective courses
Two Catalogues, register for courses from both

- Catalogue A: „1 out of 3“, 2 x 5 Credits
  • Systemtheorie 1 [SS] und 2 [WS]
  • Theoretische Informationstechnik 1 [WS] und 2 [SS]
  • Elektromagnetische Felder 1 [WS] und 2 [SS]
- Catalogue B: „n out of m“, 8 Credits
Choose from relatively large catalogue of elective courses
Eight specializations:
- Produktionstechnik
- Konstruktionstechnik
- Energietechnik
- Verfahrenstechnik
- Kunststofftechnik
- Textiltechnik
- Fahrzeugtechnik
- Luftfahrttechnik

No choice within specialization (except production technology)
It is possible to apply for other specializations
Medical Sciences

- Two mandatory courses, each 2 Credits
  - Einführung in die Medizinische Informatik [WS]
  - Medizinsche Informationssysteme [SS]

- Two elective courses, in total 8 Credits

- Term paper (Studienarbeit), 6 Credits
Choose one of three specializations

1. Block A
   - From Molecular to Continuum Physics I + II
   - Computational physics

2. Block B
   - From Molecular to Continuum Physics I + II
   - Quanteninformation

3. Block C
   - Experimentalphysik III + IV

No choice of courses within specialization
Philosophy

- Courses from
  - Practical Philosophy
  - Theoretical Philosophy
  - Specialization
Defined study program:
- Allgemeine Technische Chemie und Makromolekulare Chemie
- Praktikum Technische und Makromolekulare Chemie
- Angewandte Spektroskopie und Instrumentelle Analytik
Choose one out of five specializations:
- Biotechnologie
- Mikrobiologie und Genetik
- Molekularbiologie und Zellbiologie
- Pflanzenwissenschaften
- Umweltwissenschaften
Which Courses should I take???
Which Courses should I take???

- Browse semester‘s course list
Which Courses should I take???

- Or use Curriculum Support to get an overview
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>
<th>Duration</th>
<th>WF</th>
</tr>
</thead>
<tbody>
<tr>
<td>[2009] Informatik</td>
<td></td>
<td>120</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Wahlpflichtbereiche</td>
<td></td>
<td>1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Anwendungsfach</td>
<td></td>
<td>1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Praktikum, Seminare, Schwerpunkt-Kolloquium</td>
<td></td>
<td>1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Masterarbeit</td>
<td></td>
<td>1</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Which Courses should I take???

<table>
<thead>
<tr>
<th>Node-Name</th>
<th>Rec. Sem. (W/S)</th>
<th>Credits</th>
<th>Duration</th>
<th>WF</th>
</tr>
</thead>
<tbody>
<tr>
<td>[2009] Informatik</td>
<td></td>
<td>120</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>- Wahlpflichtbereiche</td>
<td></td>
<td></td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>- Theoretische Informatik</td>
<td></td>
<td></td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>+ Wahlpflicht Theoretische Informatik</td>
<td></td>
<td></td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>+ Software und Kommunikation</td>
<td></td>
<td></td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>+ Daten- und Informationsmanagement</td>
<td></td>
<td></td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>+ Angewandte Informatik</td>
<td></td>
<td></td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>- Anwendungsfach</td>
<td></td>
<td></td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>- Anerkanntes Anwendungsfach</td>
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<td></td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>+ Anwendungsfächer auf PA Antrag</td>
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<td></td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>+ Betriebswirtschaftslehre</td>
<td></td>
<td></td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>+ Biologie</td>
<td></td>
<td></td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>+ Chemie</td>
<td></td>
<td>18</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>+ Elektrotechnik</td>
<td></td>
<td></td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>+ Maschinenbau</td>
<td></td>
<td></td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>+ Mathematik</td>
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<td>+ Praktikum, Seminare, Schwerpunkt-Kolloquium</td>
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<td>+ Masterarbeit</td>
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### Which Courses should I take???

<table>
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<th>Node-Name</th>
<th>Rec. Sem. (W/S)</th>
<th>Credits</th>
<th>Duration</th>
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<td>[009] Informatik</td>
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<td>+ Wahlpflichtbereiche</td>
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<tr>
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<td>+ Daten- und Informationsmanagement</td>
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Which Courses should I take???

- Or use semester plan

### Curriculum

Academic year 2018/19

<table>
<thead>
<tr>
<th>Node-Name</th>
<th>Recommended Sem. (W)</th>
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### Course timetable

**Which Courses should I take??**

<table>
<thead>
<tr>
<th>Day</th>
<th>Monday, 08.10.2018</th>
<th>Tuesday, 09.10.2018</th>
<th>Wednesday, 10.10.2018</th>
<th>Thursday, 11.10.2018</th>
<th>Friday, 12.10.2018</th>
<th>Saturday, 13.10.2018</th>
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**INFORMATIK@RWTH**

*Master Computer Science: Introduction 1st semester*
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](https://online.rwth-aachen.de)
  - Group websites: [http://www.informatik.rwth-aachen.de](http://www.informatik.rwth-aachen.de)
  - Info page of one of our students: [http://vsteiner.com/rwth/co/](http://vsteiner.com/rwth/co/)
  - Introduction to elective courses
    - Tuesday, 2nd April
    - 17:00h
    - Lecture hall TEMP 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/cms/Informatik/Studium/Im-Studium/Mentoring/~oiqu/Professorenmentoring-fuer-Masterstudiere/lidx/1/](http://www.informatik.rwth-aachen.de/cms/Informatik/Studium/Im-Studium/Mentoring/~oiqu/Professorenmentoring-fuer-Masterstudiere/lidx/1/)
Prerequisites listed in approval notice
Need to be fulfilled before start of Master’s thesis
Bachelor-Courses: RWTHonline
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 20/21 have to be submitted till mid December 2019 (world-wide) resp. mid February 2020 (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/](https://www.comsys.rwth-aachen.de/teaching/outgoings/)
Study Advisors & Other Contacts
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 Korzeniewski
  - **Minors**: apl. Prof. Dr. Thomas Noll, Priv.-Doz. Dr. Ralf Klamma
  - **Exchange semesters**: Dr. Dirk Thißen

- **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
Study Advisory Master Computer Science

- **Study Advisor**
  - David Korzeniewski, M.Sc.

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

- **Consultation hours:**
  - on appointment

- **Website**
Websites of Study Advisory


- Slides
- FAQs
- Contact information of study advisors
- **Mailing list of study advisory**
  - [mailman.rwth-aachen.de/mailman/listinfo/informatik/](http://mailman.rwth-aachen.de/mailman/listinfo/informatik/)
  - Register to get important information like e.g. registration deadlines for seminars & practicals
- Registration for consultation hour of study advisors
- Current examination regulations
- etc.
Study Advisors for Minors

- 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
Study Advisory 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
Allgemeiner Studierendausschuss (AStA)

- **Allgemeiner Studierendausschuss (AStA) der RWTH Aachen**
  - Hochschulweite Interessenvertretung der Studierenden an der RWTH
    - Hochschulpolitische Vertretung der Studierenden gegenüber der Hochschule, dem Land und der Öffentlichkeit
    - Verwaltung der Finanzmittel der Studierendenschaft
    - Beratung zu verschiedensten sozialen und studentischen Themen
    - Organisation eines Kulturprogramms
    - Politische Bildung
  - **Kontakt**
    - Pontwall 3, 52062 Aachen
    - Öffnungszeiten
      - Mo-Mi, Fr 10-14 Uhr, Do 14-18 Uhr
    - Telefon: 80-93792
    - [asta@asta.rwth-aachen.de](mailto:asta@asta.rwth-aachen.de)
    - [www.asta.rwth-aachen.de](http://www.asta.rwth-aachen.de)
Studierendenvertretung der Bereiche Mathematik, Physik und Informatik

- Augustinerbach 2a, 52062 Aachen
  - Telefon: 80-94506
  - Öffnungszeiten:
    - Mo-Fr 12:30-14 Uhr (im Semester)
    - Di und Do 12:30-14 Uhr (in der vorlesungsfreien Zeit)
- Außenstelle Informatikzentrum, Ahornstraße 55, Raum 2015
  - Telefon: 80-26741
  - Öffnungszeiten
    - Keine in der vorlesungsfreien Zeit
    - Zu Beginn des Semesters werden eventuell Zeiten festgelegt
    - Generell: wenn die Türe offen ist 😊

- fs@fsmpi.rwth-aachen.de
- http://www.fsmpi.rwth-aachen.de
Institutions

- Computer Science Institutions
  - ZPA
  - Computer Science Library

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

- Registering for depth oral colloquium & 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
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
Computer Science Institutions

- **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
University Institutions

- **Textbook Collection**
  - Wüllnerstr. 3, 52062 Aachen
  - Phone: 80-94496
  - Opening hours:
    - Mon – Fri 8:30-16:30

- **Main library**
  - Templergraben 61, 52062 Aachen
  - Phone: 80-94459
  - [http://www.ub.rwth-aachen.de](http://www.ub.rwth-aachen.de)
  - Opening hours:
    - Mon – Fri 8:00 – 24:00
    - Sat 9:00 – 24:00
    - Sun 11:00 – 24:00
These slides will go to:

- [http://www.informatik.rwth-aachen.de/cms/Informatik/Studium/Im-Studium/Mentoring/~njpu/Infothek-und-Downloads/?lidx=1](http://www.informatik.rwth-aachen.de/cms/Informatik/Studium/Im-Studium/Mentoring/~njpu/Infothek-und-Downloads/?lidx=1)