Master’s program Informatics

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Academic Programs Office - Informatics
Secretaries of the examination board

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http://www.in.tum.de
Content

• Contact persons
• Master’s programme
• Study Plan
• Examinations
• Bridging Courses / Requirements for Admission
• Certificate of Graduation
• Student Code of Conduct
Contact Persons

- Infopoint - first contact center (currently closed due to Corona)

- Academic Programs Office
  - Susanne Kinzel

- Secretary of the Examination Board
  - Verena Wimmer (Full time studies)
  - Willemijn van Gemert (Part time studies)
Contact Persons

- Academic Counseling
  - Vivija Simic
  - Sibylle Roden-Kinghorst
  - Sandra Kemler
  - Imme Proske

- International Affairs
  - Lena Krone (international degree students)
  - Martina von Imhoff (study abroad)
Master’s program Informatics

• Content of the program:
  – Examinations: 90 Credits (ECTS)
  – Master’s Thesis: 30 Credits
  – Possibly additional fundamental exams („bridging courses“): max. 30 Credits

• Duration:
  – Regular time of studies: 4 semesters
  – At the latest at the end of the 7th semester

• Academic title:
  – Master of Science (M.Sc.) or Master of Science (TUM) (M.Sc. (TUM))
Curriculum Master Informatics

5 Credits
- Master-Seminar

10 Credits
- Advanced Practical Course

18 Credits
- Area of Specialization
  - 2nd area
  - 3rd area

Elective courses in Informatics

53 Credits
- 8 Credits
- 8 Credits

Orientation
- 9 Credits
- 10 Credits
  - From all areas
  - Free choice

16 Credits
- Interdisciplinary Project

30 Credits
- Master’s Thesis
  - Will be done in 6 months

At least 10 credits must be earned from the modules marked "THEO". These modules can be assigned to different areas and do not have to be in the area of specialization or one of the other two supplementary areas.

Soft Skills (Support Electives)
Different Orientations within the Programme

- Practice
- Basics
- Research
Curriculum Master Informatics – Practice

5 Credits
Master-Seminar

10 Credits
Advanced Practical Course

53 Credits
Elective courses in Informatics

18 Credits
Area of Specialization

8 Credits
2nd area

8 Credits
3rd area

9 Credits
From all areas

10 Credits
2nd Advanced Practical Course

16 Credits
Interdisciplinary Project

6 Credits
Soft Skills (Support Electives)

30 Credits
Master’s Thesis
Will be done in 6 months

Orientation: practice

At least 10 credits must be earned from the modules marked “THEO”.
These modules can be assigned to different areas and do not have to be in the area of specialization or one of the other two supplementary areas.
Curriculum Master Informatics – Advanced practice

- **5 Credits**: Master-Seminar
- **10 Credits**: Advanced Practical Course
- **53 Credits**: Elective courses in Informatics
- **18 Credits**: Area of Specialization
- **9 Credits**: From all areas
- **10 Credits**: Continuing Advanced Practical Course
- **16 Credits**: Interdisciplinary Project
- **30 Credits**: Master’s Thesis
- At least 10 credits must be earned from the modules marked “THEO”.
  These modules can be assigned to different areas and do not have to be in the area of specialization or one of the other two supplementary areas.
- Orientation: advanced practice
- **6 Credits**: Soft Skills (Support Electives)
- Will be done in 6 months
Curriculum Master Informatics - Basics

53 Credits

- Master-Seminar: 5 Credits
- Advanced Practical Course: 10 Credits
- Elective courses in Informatics: 18 Credits
- Interdisciplinary Project: 16 Credits
- Master’s Thesis: 30 Credits

Orientation: basics

10 Credits
- Free choice from all areas
- Soft Skills (Support Electives)

At least 10 credits must be earned from the modules marked “THEO”.
These modules can be assigned to different areas and do not have to be in the area of specialization or one of the other two supplementary areas.

Area of Specialization

- 2nd area: 8 Credits
- 3rd area: 8 Credits
## Curriculum Master Informatics - Research

### Credits Distribution

- **5 Credits**
  - Master-Seminar

- **10 Credits**
  - Advanced Practical Course

- **53 Credits**
  - **Elective courses in Informatics**
    - **18 Credits**
      - **Area of Specialization**
        - **8 Credits**
          - 2nd area
        - **8 Credits**
          - 3rd area
    - **9 Credits**
      - From all areas
    - **10 Credits**
      - Guided research

- **16 Credits**
  - Interdisciplinary Project

- **30 Credits**
  - Master’s Thesis

- **16 Credits**
  - Soft Skills (Support Electives)

### Orientation: research

- At least 10 credits must be earned from the modules marked “THEO”.
- These modules can be assigned to different areas and do not have to be in the area of specialization or one of the other two supplementary areas.

- The Interdisciplinary Project will be done in 6 months.
Curriculum Master Informatics

16 Credits
Master's Thesis
Will be done in 6 months

30 Credits

5 Credits
Master-Seminar

10 Credits
Advanced Practical Course

53 Credits
Elective courses in Informatics

18 Credits
Area of Specialization

8 Credits
8 Credits

2nd area
3rd area

9 Credits
From all areas

10 Credits
Free choice

At least 10 credits must be earned from the modules marked “THEO”
These modules can be assigned to different areas and do not have to be in the area of specialization or one of the other two supplementary areas

16 Credits
Interdisciplinary Project

6 Credits
Soft Skills (Support Electives)
Interdisciplinary Project (IDP)


- “Let's talk about IDP & Application Project”
  [www.in.tum.de/en/current-students/advising-and-support/academic-advising/](www.in.tum.de/en/current-students/advising-and-support/academic-advising/)
Curriculum Master Informatics

<table>
<thead>
<tr>
<th>Credits</th>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>5</td>
<td>Master-Seminar</td>
<td>5</td>
</tr>
<tr>
<td>10</td>
<td>Advanced Practical Course</td>
<td>10</td>
</tr>
<tr>
<td>53</td>
<td>Elective courses in Informatics</td>
<td>53</td>
</tr>
<tr>
<td>16</td>
<td>Interdisciplinary Project</td>
<td>16</td>
</tr>
<tr>
<td>30</td>
<td>Master’s Thesis</td>
<td>30</td>
</tr>
</tbody>
</table>

- 16 Credits: Interdisciplinary Project
- 30 Credits: Master’s Thesis
- 5 Credits: Master-Seminar
- 10 Credits: Advanced Practical Course
- 53 Credits: Elective courses in Informatics
- 18 Credits: Area of Specialization
  - 8 Credits: 2nd area
  - 8 Credits: 3rd area
  - 9 Credits: From all areas
  - 10 Credits: Free choice
- At least 10 credits must be earned from the modules marked “THEO”
  - These modules can be assigned to different areas and do not have to be in the area of specialization or one of the other two supplementary areas
- 6 Credits: Soft Skills (Support Electives)
- Master’s Thesis will be done in 6 months
Support Electives

- Soft Skills courses
- Courses at Carl von Linde Akademie
- Language courses
  (assignment only upon request)
Study Plan - Structure of the 4 terms

<table>
<thead>
<tr>
<th>Sem</th>
<th>Informatics Methodology and Knowledge</th>
<th>Informatics Practice</th>
<th>Informatics Research</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Elective Courses (27)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Elective Courses (11)</td>
<td>Advanced Practical Course (APC)(10)</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>Elective Courses (5) Master’s Seminar (5)</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Elective Courses (10)</td>
<td>or 2\textsuperscript{nd} or continuing APC (10)</td>
<td>or Guided Research (10)</td>
</tr>
<tr>
<td>4</td>
<td>Master’s Thesis (30)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- **Additionally** in the 1st to 3rd semester: Support Electives (6) and IDP(16)
- You are not bound to follow this plan, it is a recommendation
  - lectures can be heard according to the individual needs ...
Continuous Assessment Procedure

- Module examinations will be taken concurrently with the program
- Types: written, oral, project, ... (most exams will be on campus)
- **Mandatory** registration of examinations
  - always in TUMonline (https://campus.tum.de)
  - TUM account necessary
  - information on registration of examinations see http://www.in.tum.de/en/current-students/administrative-matters/exams.html
- Withdrawal
  - early withdrawal without indication of reasons possible
  - information on withdrawal see link above
Repetition of Examinations (§ 44 FPSO together with § 23 und § 24 APSO)

- Check the module description to see when a repeat exam is offered
- in most cases until first week of lecture period of the following semester
- Repetition for the purpose of improving grades is **not possible**
- The number of repeat examinations is only restricted by the examination deadlines of § 10 APSO

Don’t forget to register!
Examination Time Limits (APSO § 10)

- 2\textsuperscript{nd} semester: no examination passed → DF
- 3\textsuperscript{rd} semester: less than 30 credits → DF
- 4\textsuperscript{th} semester: less than 60 credits → DF
- 5\textsuperscript{th} semester: less than 90 credits → DF
- 6\textsuperscript{th} semester: examinations not yet taken → not passed
- 7\textsuperscript{th} semester: examinations not yet taken → DF

DF – definitely failed → exmatriculation
Fundamental Examinations - Bridging courses – Requirements for Admission

- Bridging courses are listed in the letter of admission.
- They have to be passed in the first academic year.
- Failed bridging courses may be repeated only once and at the next examination date within the first academic year.
- Pursuant to § 46 (3) FPSO, admission to the Master’s Thesis is only possible after passing all bridging courses.
- Suspension of enrollment to 3rd semester until the examinations are passed.
- Bridging courses are not part of the Master’s examination.
- Examination results are not been taken into consideration for the overall grade.
Transfer of Credits

- All credits that are earned externally, have to be applied for!
- Includes additional achievements from Bachelor’s degree, studies abroad and ATHENS programme
- [https://www.in.tum.de/en/current-students/administrative-matters/transfer-of-credits/](https://www.in.tum.de/en/current-students/administrative-matters/transfer-of-credits/)
- Bachelor / previous studies: within the first year
Certificate of Graduation

- lists grade and topic of the final thesis and the overall grade

- overall grade
  - calculated as the weighted grade average of the modules and the Master’s thesis
  - the grade weights of the individual modules correspond to the credits assigned to each module

- date on final certificate
  - day when all module and examination requirements have been fulfilled
  - number of semesters is not printed
Certificate of Graduation

- in addition, the student will receive a **Transcript of Records** that lists all passed modules with credits and grades

- Graduation documents and preliminary certificates can only be issued when all grades in TUMonline (including the thesis) are validated.

- Certificates can only be given by the Central Examination Office, not the examination board.
Transcript of Records

Study Program: Informatik

Academic Title: Master of Science (M.Sc.)

Date: 29. Mai 2020

Gesamtnote und -credits: 1,2 / 121

Prüfungen: mit Auszeichnung bestanden

Modul-ID | Modulebezeichnung | Note | Grade | Credits
-------------------------------------------------------------
IN2108 | Master's Thesis | 1,0 | 30 | 8

Theme:
The thesis was written in English.

Transcript of Records: Zusatzleistungen

Additional Examinations

Modul-ID | Modulebezeichnung | Note | Grade | Credits
-------------------------------------------------------------
IN2041 | Automaten und formale Sprachen | 2,7 | 8
IN2049 | Logik | 1,7 | 8

Technische Universität München
Fakultät für Informatik

Transcript of Records

Module ID | Module Title | Note | Grade | Credits
-------------------------------------------------------------
IN2108 | Master's Thesis | 1,0 | 30 | 8

Theme:
The thesis was written in English.
Student Code of Conduct

- course achievements and examinations have to be performed self-reliantly and on the basis of allowed resources only
- short text passages may be cited, but
  - clearly marked
  - literal citations must be quoted
- non-literal paraphrases must be quoted clearly, immediately, and reproducible
- this also holds for code, seminar papers and Master‘s Thesis
- images also have to be referenced, and possibly an allowance of the owner is necessary
- use a full bibliography and primary sources
- if explicitly allowed by the lecturer, coursework may be provided collaboratively
- cheating leads to failing with only one possibility of retake
- for further information see

more
Questions?
Successful Studies!