Applied Computer Science (M.Sc.)
Introductory Course

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Institute of Computer Science

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Dean of Students

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Regulations

- Examination and Study Regulations (*Prüfungs- und Studienordnung*)
- [www.uni-goettingen.de/de/40964.html](https://www.uni-goettingen.de/de/40964.html)

UniVZ

- official university calendar
- [https://univz.uni-goettingen.de/](https://univz.uni-goettingen.de/)
### Requirements

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<th>Area of Studies</th>
<th>in German</th>
<th>Credit Points</th>
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<td>System-oriented Computer Science</td>
<td>Systemorientierte Informatik</td>
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<td><em>Area of Specialisation</em></td>
<td><em>Studienschwerpunkt</em></td>
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<td>Key Competence</td>
<td>Schlüsselkompetenz</td>
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<td>Master Thesis</td>
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<td><strong>Sum</strong></td>
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Area of Specialisation (1/2)

Applied System Development

- 30 Credits Points
  - either in
    - Computer Science and Applications (entirely in English)
  - or in one Applied Computer Science (full list on next slide), e.g.
    - Business Information Systems (entirely in English)
    - Computational Neuroscience (practicable in English)
    - Scientific Computing (practicable in English)

- 18 Credits specialisation in Computer Science
- Master Thesis in System-oriented Computer Science
One Applied Computer Science

- 48 Credit Points
  - Bioinformatics
  - Business Information Systems
  - Computational Neuroscience
  - Data Science
  - Digital Humanities
  - Ecological Informatics
  - Geoinformatics
  - Health Informatics
  - Information Law
  - Scientific Computing

- Master Thesis in the chosen Applied Computer Science
The study regulations frame the following.

- Integration in a **research project**.
- Contacting a **Mentor** (research group leader).
- **Study plan** elaboration.

**Objective:** **Master Thesis** in research group of the mentor.

To certify a benefiting university work mentor and dean of students have to sign the study plan.
Use **UniVZ** [https://univz.uni-goettingen.de/](https://univz.uni-goettingen.de/) the official university calendar to find suitable courses.

**Example**

In the tab *Courses* traverse the following headers.

*Faculty of Mathematics and Computer Science*
  *Course Catalogue of the Unit Computer Science*
  *M.Sc. Applied Computer Science.*
System-oriented Computer Science

- Computer Networks
- Data Fusion
- Data Science
- Databases and Information Systems
- Knowledge Engineering
- Practical Informatics
- Software Engineering
- Telematics
- Theoretical Computer Science

Applied Computer Science

- Bioinformatics
- Business Information Systems
- Computational Neuroscience
- Digital Humanities
- Ecological Informatics
- Geoinformatics
- Health Informatics
- Information Law
- Scientific Computing