### Course-specific Structure

<table>
<thead>
<tr>
<th>Semester</th>
<th>LP</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>30</td>
</tr>
<tr>
<td>2.</td>
<td>30</td>
</tr>
<tr>
<td>3.</td>
<td>30</td>
</tr>
<tr>
<td>4.</td>
<td>30</td>
</tr>
</tbody>
</table>

The course structure includes mandatory modules, specialization modules, and electives. The mandatory modules are distributed across the semesters, with electives allowing for specialization in specific areas.

**Elective Area Specialization Information Systems**

- 24 LP

**Research Topics in Computer Science**

- 6 LP

**Elective Area Complement**

- 12 LP

**Non-technical Elective Area**

- 12 LP

**Project Master Computer Science International**

- 12 LP

Further course overviews for the specialization Information Systems (starting in the summer semester) as well as the specialization Complex Systems (starting in the winter or summer semester) can be found on the web at www.ief.uni-rostock.de – Courses of Study.

---

**University of Rostock**

**FACULTY OF COMPUTER SCIENCE AND ELECTRICAL ENGINEERING**

**Study Counselor**

Albert-Einstein-Straße 2
D 18059 Rostock
Fon + 49 (0)381 498 7004
Fax + 49 (0)381 498 7008
studienburo.ief@uni-rostock.de
www.ief.uni-rostock.de

**GENERAL STUDENT’S ADVISORY SERVICE & CAREERS SERVICE**

Parkstraße 6
D 18057 Rostock
Fon + 49 (0)381 498 1230
studium@uni-rostock.de
www.uni-rostock.de

2nd edition
Content of the Master Program

In the Master’s program in Computer Science International, you expand and deepen your specialist knowledge in one of the two specializations „Information Systems“ or „Complex Systems“. In the first three semesters you will take the modules of the chosen specialization, selected modules from the other specialization and two non-technical modules. The non-technical elective primarily serves the acquisition or improvement of language skills in German and English as well as the acquisition of soft skills. The non-technical modules taken are intended to improve linguistic, non-technical and social skills as well as the students' self-competence. Possible subject areas include founding a company, time management, mentoring, management tasks, presentation techniques, social impact of computer science or didactics of computer science. In the third semester you will carry out project work. In the fourth semester, you create and defend your master’s thesis.

Advanced Qualification Options

graduate to Dr.-Ing.

Purpose and Objective

With the research-oriented master's program in Computer Science International, you qualify for academic and industrial fields of computer science, for specialist activities in the public sector and for taking up doctoral studies at a national or international university. You deepen and expand your scientific knowledge and skills acquired in the bachelor’s program. You will be prepared for assuming responsibility both in business and for the further development of science in research. Because computer scientists are urgently sought worldwide, all development opportunities are open to you.

Premises for the Study

You are interested in further qualifying and specializing in the field of computer science. In addition to a good knowledge of computer science and mathematics, you have the skills to grasp complex tasks and apply your theoretical knowledge to solve them. A good level of abstraction and a good command of English are also helpful.