



International Master's Program "Scientific Computing"

Scientific Computing now is the powerful combination of mathematics and computer science. It has become the key for solving today's scientific and technical problems.

The Faculty for Mathematics and Computer Science and the Graduate School HGS MathComp jointly offer a highly attractive package to students on their road to become a top-tier scientist in Scientific Computing. The program combines a first-rate master's education with unique interdisciplinary PhD research projects.

Heidelberg is the perfect place for students to start their scientific career. Founded in 1386, it is Germany's oldest university, situated in one of the country's most beautiful cities. Ranked among Europe's top universities, Heidelberg offers tuition free education as well as an ideal setting for individualized and interdisciplinary studies.



**International Master
„Scientific Computing“**

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International Master's Program "Scientific Computing"

Overview:

The master's program teaches the core methodology in Applied Mathematics and Computer Science to solve challenging real-world application problems by employing these methods.

Methods:

- Mathematical Modeling
- Simulation & Optimization
- Image Processing
- Statistics & Data Analysis
- High Performance Computing

Application Fields:

- Quantitative Methods in Biology
- Physics & Astronomy
- Theoretical Chemistry
- Environmental Sciences
- Humanities & Cultural Heritage

Top students in the first year can join the graduate school HGS MathComp for the second master's year, opening the possibility to a direct integration into the PhD program (research oriented master's track). There is a second option to enter the conferral of a doctorate for all the successful master's students after their graduation.

Requirements for Applicants:

Applicants need an above-average degree in a bachelor's program in Mathematics, Computer Science or a subject with largely similar content from a national or international institution for higher education. The program must take at least three years of study or a degree that is approved to be equivalent to this.

Application deadlines: June 15 for the Winter Term /
November 15 for the Summer Term

Further Information

www.scicomp.uni-hd.de