

Master-Level Teaching @ SWT

Lehrstuhl Softwaretechnik & Programmiersprachen, Otto-Friedrich-Universität Bamberg

☑ Theoretical Computer Science, Discrete Mathematics & Software Analysis (e.g., Gdl-GTI-B, Gdl-Mfl-B & SWT-FSA-B)

☑ SWT-ASV-M ☀ 6

Applied Software Verification

- software model checking
- automated verification techniques
- modern verification algorithms
- advanced verification tools

☑ SWT-PCC-M ❄ 6

Principles of Compiler Construction

- lexical analysis and parsing
- semantic analysis
- code generation and optimisation
- theoretical and practical aspects

☑ Computer Architectures, Operating Systems & Programming (e.g., DSG-EiRBS-B & DSG-EiAPS-B)

SWT-PR1-M ❄ 6

Student Project

(for non-ISoSySc students)

SWT-SEM-M ☀ 3

Student Seminar

Thesis ❄ 30

Master Thesis

SWT-PR2-M ❄ 9

Student Project

(for ISoSySc students)

☀ / ❄ / ❄
3 / 6 / 9 / 30
☑

Summer / Winter / Both Semesters
Number of ECTS Points
Recommended Prior Knowledge

For Master thesis topics consult our website. For projects inquire with a staff member. For the current seminar topic see the seminar's VC course.

This poster is for informational purposes only; for more details consult the official module handbook and the relevant degree regulations.