



## Contact

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## Study information



# Software Engineering

Master of Science



**FACHHOCHSCHULE**  
**ERFURT UNIVERSITY**  
**OF APPLIED SCIENCES**  
Angewandte  
Informatik

Shape the digital transformation —  
study Software Engineering in English at FH Erfurt.

## At a glance

- Degree: **Master of Science (M.Sc.)**
- Workload: **90 ECTS**
- Duration: **3 semesters**
- Start: **Winter or Summer semester**
- Language: **English**
- Cohort size: **max. 15 students**
- Faculty:  
**Building Services Engineering & Computer Science**

## Programme highlights

- Strong engineering focus: software architecture, quality engineering & DevOps, secure software design, advanced analytics, knowledge engineering
- Project-based learning: **Enterprise Projects** with industry partners or **Research Projects** in both semesters.
- Master's thesis (25 ECTS) with colloquium and optional cooperation with companies or research institutes.
- International profile with English-taught curriculum and language support (German/English).

## Study structure (indicative)

1.	Project Management • System Design • Embedded Software Engineering • Software Quality Engineering & Dev Ops • Language Training  Enterprise Project I or Research Project I
2.	Enterprise System Lifecycle • Ethics & Data Protection • Advanced Analytics • Knowledge Engineering • Scientific Writing  Enterprise Project II or Research Project II
3.	Information Security Management for Software Systems Master's Thesis (25 ECTS) + Colloquium

Legend:

	Obligatory	Elective
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## Admissions (summary)

- Bachelor's degree in Software Engineering; typically **210 ECTS** (admission with 180 ECTS possible with conditions to reach 210 ECTS before thesis registration, study during will be longer).
- English proficiency (e.g., CEFR **C1** or strong **B2+**); motivation letter, CV, transcripts, and references.
- Details per the programme-specific regulations of FH Erfurt.

## Career paths

- Software architect/engineer
- DevOps/Site Reliability Engineering
- Data-driven applications
- IT security & compliance

