



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



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

