## Master IT Engineering

3 semesters - starting in summer semester

### Semester 1

- **Seminar IT Engineering**
  - X 5 ECTS
- **Options (5 out of 7)**
  - Modern Production Methods
    - T 5 ECTS
  - Technical Optics
    - T 5 ECTS
  - Robotics
    - T 5 ECTS
  - Algorithmics
    - I 5 ECTS
  - Business Intelligence
    - I 5 ECTS
  - WS Cryptography
    - I 5 ECTS
  - Security Engineering
    - I 5 ECTS
- **Distributed Systems**
  - V 25 ECTS

### Semester 2

- **Project IT Engineering**
  - X 5 ECTS
- **Options (5 out of 7)**
  - Security Management
    - X 5 ECTS
  - Dynamical Systems
    - T 5 ECTS
  - Workshop Embedded Systems
    - T 5 ECTS
  - Medical Engineering
    - T 5 ECTS
  - Distributed Systems
    - I 5 ECTS

### Semester 3

- **Master Thesis & Colloquium**
  - T 30 ECTS

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**Notes:**

- Computer Science
- Integrative Course
- Elective Course
- Soft Skills
- Economics
- Mathematics
Master IT Engineering
3 semesters - starting in winter semester

Semester 1
- Seminar IT Engineering (X 5 ECTS)
- Security Management (X 5 ECTS)
- Dynamical Systems (T 5 ECTS)
- Workshop Embedded Systems (T 5 ECTS)
- Medical Engineering (T 5 ECTS)
- Distributed Systems (V 5 ECTS)
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Semester 2
- Project IT Engineering (X 5 ECTS)
- Options (5 out of 7)
  - Modern Production Methods (T 5 ECTS)
  - Technical Optics (T 5 ECTS)
  - Robotics (T 5 ECTS)
  - Algorithmics (I 5 ECTS)
  - Business Intelligence (I 5 ECTS)
  - WS Cryptography (I 5 ECTS)
  - Security Engineering (I 5 ECTS)
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Semester 3
- Master Thesis & Colloquium
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Semester Codes:
- X  INTEGRATIVE COURSE
- T  COMPUTER SCIENCE
- V  ELECTIVE COURSE
- W  ENGINEERING
- S  SOFT SKILLS
- M  MATHEMATICS
- E  ECONOMICS

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