



## **CT** Computer Engineering

### Content 1st year / Computer Engineering

- hardware elements of a PC system
- usage and purpose of different interfaces
- Installation of an operating system (OS)
- set-up of a simple IT network
- methodic fault diagnostics and failure analysis

### Content 2nd year / Computer Engineering

- prepare Windows and Linux Systems for IT networks
- standard / non standard software installation
- basics of Server & NAS Systems (Free NAS)
- installation and configuration of router
- conception of virtual machines (VM)
- up-to-date hardware configurations

### Students should be able to ...

- execute safety regulations and rules for accident prevention.
- assemble simple IT network systems.
- install, initial start-up and administrate different IT systems.
- analyse errors in EDP systems and repair them.
- work with German and English manuals.
- generate documents and instructions.