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Hochschule Konstanz
University of Applied Sciences



**Course number: AIN 31650
AIN 31651
AIN 31653**

**Foundations of IT-Security
Study Level: Bachelor /
Undergraduate**

**Language of Instruction: English
ECTS Credits: 6**

Students will master the terms, mechanisms, and processes of IT security and can apply them in a business context. After successful completion of the course, students will know basic cryptographic mechanisms and their applications. Students will understand the effects of threats to IT systems and master appropriate measures for the protection of IT infrastructures. The course will also address how to design, develop, and maintain software-intensive systems with the goal of reduced vulnerability against intelligent adversaries.