

Vertiefungsempfehlung Cyber Security
für den Kernbereich Cyber Security

Empfohlene Kernmodule

Modul-Nr.	Modulname	Semester	Credits
EI70520	Circuit Design for Security	SS	5
CIT433040	Embedded Systems and Security	WS/SS	6
CIT3330002	IT Sicherheit 2	SS	5
CIT3330003	Kryptografie	SS	5
IN2101	Network Security	WS	5
EI71060	Security in Communications and Storage	WS	5
EI7243	Sichere Implementierung kryptografischer Verfahren	WS	6

Empfohlene Wahlmodule

Modul-Nr.	Modulname	Semester	Credits
IN2097	Advanced Computer Networking	WS	5
EI71070	Advanced Cryptographic Implementations	SS	5
IN2359	Blockchain-based Systems Engineering	SS	5
EI7411	Channel Codes for Iterative Decoding	SS	5
EI70320	Channel Coding	WS/SS	5
EI7440	Circuit Theory and Communications	WS	5
EI74121	Coded Modulation	SS	5
CIT4330015	Coding for Private Reliable and Efficient Distributed Learning	WS	5
EI71087	Coding Theory for Storage and Networks	SS	5
EI71004	Communication Acoustics	WS	6
IN2407	Hardwaresicherheit	SS	5
EI73451	Informationstheoretische Sicherheit	WS	5
CIT4330009	IoT Security	WS/SS	5
CIT4330001	Machine Learning and IT-Security	WS/SS	5
IN2161	Netzwerke für den Zahlungsverkehr	SS	3
IN2194	Peer-to-Peer-Systems and Security	SS	6
EI71029	Physical Unclonable Functions	WS	5
EI71073	Quantum Computers and Quantum Secure Communications	SS	5
EI75671	Ringvorlesung Systemsicherheit	WS	3
IN2178	Security Engineering	SS	5
EI71036	Software Architecture for Distributed Embedded Systems	WS	5
EI71013	System Design for the Internet of Things	SS	5

Empfohlene Praktika

Modul-Nr.	Modulname	Semester	Credits
EI5069	Projektpraktikum Smartcard	WS/SS	6

Empfohlene wissenschaftliche Seminare

Modul-Nr.	Modulname	Semester	Credits
EI77015	Seminar on Coding and Cryptography	WS/SS	5
EI7746	Seminar Sicherheit in der Informationstechnik	WS/SS	5