

Master degree programme IT & MOBILE SECURITY

MOBILE APPS > IT SECURITY > COMMUNICATION > CLOUD COMPUTING > CROSS-PLATFORM DEVELOPMENT > SECURE SOFTWARE DESIGN

The security of sensitive data, networks and systems is a key subject in today's world. The part-time master degree programme produces experts in IT security. In the four-semester course we teach our students the technological aspects of IT security, both from a practical and a theoretical perspective. The programme focuses on the fields of software security, mobile solutions and security, hacking, operation system security and cross-platform development.

The programme also equips students with soft skills including intercultural communication, English, academic writing and scientific methodology.

Attendance on campus is therefore required on two weekends per month and one additional week per semester. Student exchanges with partner universities are possible from the second semester onwards. Around 50% of the programme is completed via e-learning, making it suitable for students with a busy home life or career. Students need only be present on campus on two weekends per month, on Fridays and Saturdays, and one additional week per semester.

“Mobile end devices are booming, both in the consumer and business sectors, and are more extensively used than desktop PCs. The security risk increases when employees in companies and organisations use their own private mobile devices for business purposes (‘bring your own device’). And it is precisely this area – mobile security – where the IT & Mobile Security master programme meets the challenges of our time.”

DI (FH) Mathias Knoll, MSc, Lecturer

FACTS

- Master of Science in Engineering (MSc)
- Part-time
- 4 semesters / 120 ECTS
- 25 places per year
- Language of instruction: German / English
- Head of Degree Programme:
FH-Prof. Mag. Dr. Sonja Gögele, MBA, MSc
- FH JOANNEUM Kapfenberg

www.fh-joanneum.at/ims

CAREER PROSPECTS

Our graduates work in companies processing sensitive data - ICT service companies, providers and businesses relying on ICT as a tool (legal databases, e-government), IT consultancies, businesses active in the field of data security, investigation and prosecution of ICT crime, and in research and development.

“Global internet observation is no longer fiction – it is reality. In fact, our mobile devices are going to become personal Orwellian ‘telescreens’. Thus modern education in IT security has to focus on mobile security.”

FH-Prof. Mag. Dr. Wilhelm Zugaj, Lecturer

CURRICULUM: 120 ECTS (30 ECTS per semester)

1. Semester	2. Semester	3. Semester	4. Semester
Security Fundamentals 16 ECTS	Secure Platform & Server 11 ECTS	Secure Platform & Server 3,5 ECTS	Secure Plattform & Server 6 ECTS
		Secure Platform & Server 4,5 ECTS	
	Security Fundamentals 5 ECTS	Security Fundamentals 3,5 ECTS	Projects & Master Thesis 24 ECTS
Communication 5 ECTS	Communication 5 ECTS	Projects & Master Thesis 12 ECTS	
Mobile Apps 7 ECTS	Mobile Apps 6 ECTS	Mobile Apps 4,5 ECTS	
English & Scientific Work 2 ECTS	English & Scientific Work 3 ECTS	English & Scientific Work 4,5 ECTS	
Security Fundamentals 24,5 ECTS	Secure Platform & Server 25 ECTS	Mobile Apps & Communication 27,5 ECTS	Projects & Master Thesis 43 ECTS