

There is a constant shortage of experts in the field of cyber security.

Recent studies predict that up to 350.000 professionals will be required in this field by 2022.

With an unemployment rate of merely 1%, this field offers excellent career opportunities.

Malware Analyst
Information Security Specialist
Security Engineer
Computer Forensic Analyst
Cyber Crime Investigator
IT Security Architect
Cyber Defense Forensics Analyst
Digital Evidence First Responder
Incident Responder
Penetration Tester
Digital Evidence Analyst
Chief Information Security Officer
Information Security Officer



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MSc Study Programme in Information Security and Digital Forensics

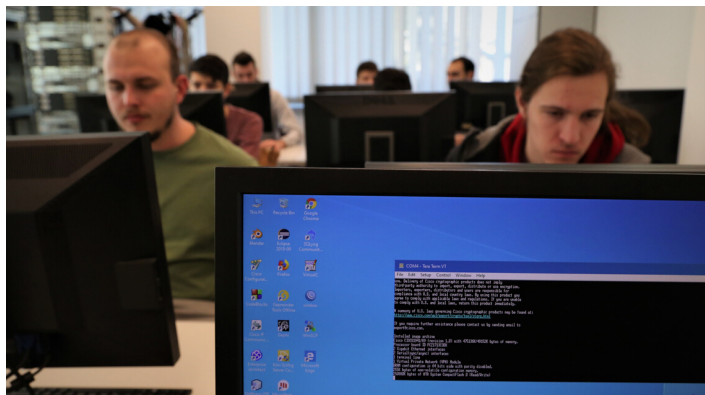
Zagreb University of Applied Sciences
Academic year 2020/2021
Zagreb, Croatia

INFORMATION SECURITY AND DIGITAL FORENSICS

The MSc Study Programme covers theoretical knowledge and practical skills of the legal and technical aspects of information security. That implies the following: digital investigations, digital forensics, reverse engineering, forensic reporting, business continuity management, risk and incident management and ethical hacking to name a few, enabling the students to pursue a career in cyber security.

CORE COURSES

| | ECTS | SEMESTER |
|---|------|----------|
| Digital Forensics | 6 | 1 |
| Information Security | 6 | 1 |
| Digital Forensics Legal Aspects | 6 | 1 |
| Mathematical Models in Information Security | 6 | 1 |
| Digital Media Security and Protection | 6 | 1 |
| Web Application Security | 6 | 1 |
| Integrated Systems of Information Security | 6 | 2 |
| Risk and Incident Management in Information Security | 6 | 2 |
| Network Security | 6 | 2 |
| Digital Forensic Analysis Organization and Management | 6 | 2 |
| Scripting and Object Languages for Digital Forensics | 6 | 3 |
| Research Methods | 5 | 4 |
| Master's Thesis | 20 | 4 |



OPTIONAL COURSES

| | ECTS | SEMESTER |
|---|------|----------|
| IT Forensics of Documents and Securities | 6 | 2 |
| Applied Cryptography | 6 | 2 |
| Computer Forensics | 5 | 2 |
| Digital Forensics on Open Source Operating System | 5 | 3 |
| Ethical Hacking | 6 | 3 |
| Mobile Devices Forensics | 5 | 3 |
| Network Forensics | 5 | 3 |
| Memory Forensics | 5 | 3 |
| Malware Forensics | 5 | 3 |
| Secure Programming Techniques | 6 | 3 |
| Business Continuity Management | 5 | 3 |

ABOUT THE PROGRAMME

Entry requirements

Applicants should have a bachelor's degree (180ECTS) in computer science, or equivalent work experience. Familiarity with basics of programming and networks is a must.

Fees and Scholarships

The international Study Programme *Information Security and Digital Forensics* is funded by the Ministry of Science and Education through European Social Fund (ESF) grants. It provides a scholarship for a maximum of 12 students. The scholarship covers full tuition expenses for the first and second semester of the academic year 2020/2021. The following semesters will be charged per ECTS.

Study Content and Structure

The programme takes four (IV) semesters. Upon finishing the Study, a student obtains 120 ECTS credit points and receives a degree of Master in Information Security and Digital Forensics. The program starts in October and ends in July the following year. Students attend lectures and practical sessions.

