

*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.*



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## CONTACT US

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Zagreb University of Applied Sciences

## MSc Study Programme in Information Security and Digital Forensics

Zagreb University of Applied Sciences  
Academic year 2022/2023  
Zagreb, Croatia



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**TEHNIČKO VELEUČILIŠTE U  
ZAGREBU** ZAGREB UNIVERSITY  
OF APPLIED SCIENCES



## Study Programme Information Security and Digital Forensics



### ABOUT US

**Zagreb University of Applied Sciences (TVZ)** was founded in 1998 with the aim of educating future engineers. TVZ consists of four departments: Electrotechnic, Civil Engineering, Computer Science and Mechanical Engineering, where a total of 4,300 students study in the academic year. The study programs were formed as three-year undergraduate and two-year graduate. In order to create an atmosphere that integrates modern technical knowledge, research and innovation, undergraduate and graduate professional study programs have been developed according to the most modern concepts. Classical subjects are designed with a lot of practical work in exercises and seminars, which enables the connection of knowledge and skills and develops multidisciplinary in students. Such educated engineers are enabled to adapt to the challenges of technological and social development.

### WHY CHOOSE SPECIALIST GRADUATE PROFESIONAL STUDY PROGRAM INFORMATION SECURITY AND DIGITAL FORENSICS AT ZAGREB UNIVERSITY OF APPLIED SCIENCES?

The Specialist graduate professional study program Information Security and Digital Forensics is first of hopefully many study programs available in English language as part of the internationalization policy of Zagreb University of Applied Sciences. The increase in mobility can only be reached if Croatian higher education institutions increase their offer of courses, modules and entire study programs in English or Information Security and Digital Forensics was chosen as the most unique program.

Upon finishing the Study, a student obtains 120 ECTS credit points, and receives a degree of the Professional Specialist Engineer of Information Security and Digital Forensics.

### CAREER

Upon completion of the Specialist graduate professional study of Information Security and Digital Forensics, students acquire specialist knowledge and skills for jobs:

- **analyzing the security of all components of the information system,**
- **monitoring and applying legislation in the field of information security and digital forensic.**

#### 1. semester:

##### Study Programme Information Security and Digital Forensics

1. Digital Forensics (6 ECTS)
2. Digital Forensics Legal Aspects (6 ECTS)
3. Information Security (6 ECTS)
4. Mathematical Models in Information Security (6 ECTS)
5. Security Graphics Design (6 ECTS)
6. Web Application Security (6 ECTS)

(List of elective courses for first semester):  
Programming for forensics (5 ECTS)

#### 2. semester:

##### Study Programme Information Security and Digital Forensics

1. Digital Forensic Analysis Organization and Management (6 ECTS)
2. Integrated Systems of Information Security (6 ECTS)
3. Network Security (6 ECTS)
4. Risk and Incident Management in Information Security (6 ECTS)

(List of elective courses for second semester):  
Applied Cryptography (6 ECTS)  
Computer Forensics (5 ECTS)

#### 3. semester:

##### Study Programme Information Security and Digital Forensics

1. Ethical Hacking (6 ECTS)
2. Mobile Devices Forensics (5 ECTS)
3. Scripting and Object Languages for Digital Forensics (6 ECTS)

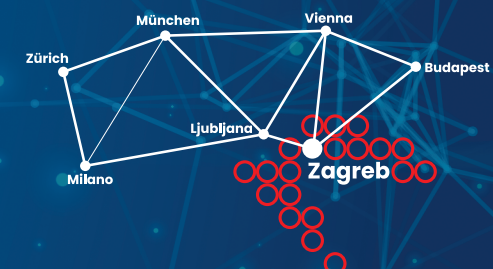
(List of elective courses for third semester):

- Business Continuity Management (5 ECTS)
- Live Forensics (5 ECTS)
- Malware Forensic (5 ECTS)
- Network Forensics (5 ECTS)
- Techniques of Secure Coding (6 ECTS)

#### 4. semester:

##### Study Programme Information Security and Digital Forensics

1. Methodology of Professional Research (5 ECTS)
2. Specialist Graduation Thesis (20 ECTS)



Projekt je sufinancirala Europska unija iz Europskog socijalnog fonda.