

Masters in Information Security at Faculty of Technical Sciences

BalCCon 2k23

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September 8, 2023

- Full professor at Faculty Technical Sciences of University of Novi Sad
 - Heading Masters in Information Security
 - Teaching Introduction to Digital Forensics
 - Heading Digital Forensics Laboratory
 - Teaching
 - Research
 - Digital forensic investigations in criminal and other proceedings

- Biggest faculty in Serbia
 - 13 departments
 - Over 1.200 employees
 - Over 90 accredited study programmes
 - Over 15.000 students
- Played an important role in the birth and growth of IT in Novi Sad and Serbia
- The first choice for many (prospective) IT students in Serbia

(ISC)2 Cybersecurity Workforce Study 2022



European Cybersecurity Skills Framework (ECSF)



Chief Information
Security Officer (CISO)



Cyber Incident
Responder



Cyber Legal, Policy and
Compliance Officer



Cyber Threat
Intelligence Specialist



Cybersecurity
Architect



Cybersecurity
Auditor



Cybersecurity
Educator



Cybersecurity
Implementer



Cybersecurity
Researcher



Cybersecurity Risk
Manager



Digital Forensics
Investigator



Penetration
Tester

Study Programme

- Study Programme Title: Information Security
- Level and Type: master academic studies
- Academic Title: Master in Information Technology
- Scientific field(s): Interdisciplinary (Industrial Engineering and Management; Electrical and Computer Engineering) - Information Security
- Length: two semesters (one year)
- ECTS: 60
- Students: 16
- Price: 120.000 RSD (Serbian citizens), 3.000 EUR (foreigners)
- Language: Serbian

Admission Requirements

- The applicant has completed undergraduate academic studies which are worth at least 240 ECTS

- Key Competences
 - Ability to manage and implement projects in the field of information security (in roles such as cyber incident responder, cybersecurity architect, cybersecurity auditor, cybersecurity educator, digital forensics investigator, etc.)
 - Understanding organizational, legal and social aspects of information security

Curriculum (1st Semester)

No.	Course ID	Course name		S	Type	Status	Active lessons				Other classes	ECTS
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FIRST YEAR												
1	19.IB21	Applied Cryptography and Cryptoanalysis		1	TM	M	3	0	0	0	0	8
2	19.IB01	Elective 1 (select 1 out of 4)		1		EB	2-3	0	0-2	0	0	4-6
		19.IB12	Computer Security	1	TM	E	3	0	0	3	0	6
		19.IB22	Cyber Security Strategies	1	TM	E	3	0	0	3	0	6
		19.IB31	Introduction to Research Process	1	AO	E	3	0	0	3	0	6
		17.IZMI13	Statistical Methods and Structural Equation Modeling in Engineering	1	AO	E	2	0	2	0	0	4
3	19.IB02	Elective 2 (select 1 out of 3)		1		EB	3	0	0	0	0	6
		19.IB13	Network Security	1	NS	E	3	0	0	3	0	6
		19.IB23	Cyber Incident Analysis and Response	1	SA	E	3	0	0	3	0	6
		19.IB32	Information Security Management System	1	NS	E	3	0	0	3	0	6
4	19.IB03	Elective 3 (select 1 out of 3)		1		EB	3	0	0	0	0	6
		19.IB11	Secure Software Development	1	SA	E	3	0	0	3	0	6
		19.IB24	Physical Security and Social Engineering	1	SA	E	3	0	0	3	0	6
		19.IB33	Risk Analysis and Information Security	1	NS	E	3	0	0	3	0	6
5	19.IB04	Elective 4 (select 1 out of 3)		1		EB	3	0	0	0	0	6
		17.E2501	Electronic Payment Systems	1	NS	E	3	0	0	2	0	6
		19.IB25	Security Data Analytics	1	SA	E	3	0	0	3	0	6
		19.IB34	Information System Intregration and API Management	1	TM	E	3	0	0	3	0	6

Curriculum (2nd Semester)

6	19.IB05	Elective 5 (select 1 out of 3)		2		EB	3	0	0	0	0	6
		19.SEM022	Introduction to Digital Forensics	2	SA	E	3	0	0	3	0	6
		19.IB26	Cloud Security	2	SA	E	3	0	0	3	0	6
		19.IB35	Information Security Project Management	2	TM	E	3	0	0	3	0	6
7	19.IB06	Elective 6 (select 1 out of 3)		2		EB	3	0	0	0	0	6
		19.SEM020	Security and Privacy in the Internet of Things	2	SA	E	3	0	0	3	0	6
		19.IB27	Critical Infrastructure and Industrial System Security	2	SA	E	3	0	0	3	0	6
		19.IB36	Personal Data Protection Management Systems	2	TM	E	3	0	0	3	0	6
8	19.IB51	Professional Practice		2	SA	M	0	0	0	0	6	6
9	19.IB53	Master Thesis - Study Research Work		2	SA	M	0	0	8	0	0	6
10	19.IB54	Master Thesis - Creation and Defence		2	SA	M	0	0	0	0	4	6
Active lessons - total:							47-50					
Total ECTS:											60-62	

Timeline (1st Call for Applications)

- Application: September 18, 2023 - September 22, 2022 at 1 PM
- Entrance Exam: October 3, 2023 at 9 AM
- Preliminary Results: October 3, 2023 at 8 PM
- Final Results: October 5, 2023 at 8 PM
- Enrollment: October 6, 2023

Timeline (2nd Call for Applications)

- Expect 2nd call for applications to be published soon at the web site of the Faculty of Technical Science

- The study programme is a result of Erasmus+ project Information Security Services Education in Serbia (ISSES)
- The first generation of students was enrolled in 2021

- We are looking forward to collaborate with companies
 - Internships
 - Scholarships
 - Feedback on curriculum

- Curriculum
- Call for Applications
- Student's Portal

Thanks!

<https://informatika.ftn.uns.ac.rs/files/BalCCon2023.pdf>