

**Academic year 2022-2023**  
**Master in Information Security**

**Year 1 (class 2022-2024)**

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**Semester 1**

*Compulsory courses*

<b>Advanced Techniques in Cryptography</b>	7.5 ECTS
C: 2    S: 2    L:    Ex: E	
<b>Advanced Techniques in Software Engineering</b>	7.5 ECTS
C: 2    S: 2    L:    Ex: E	
<b>Cryptanalysis</b>	7.5 ECTS
C: 2    S: 2    L:    Ex: E	
<b>Blockchain - Foundations and Applications</b>	7.5 ECTS
C: 2    S: 2    L:    Ex: E	

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**Semester 2**

*Compulsory courses*

<b>Security Models</b>	7.5 ECTS
C: 2    S: 2    L:    Ex: E	
<b>System Specification and Verification</b>	7.5 ECTS
C: 2    S: 2    L:    Ex: E	
<b>Network Security</b>	7.5 ECTS
C: 2    S: 2    L:    Ex: E	
<b>Security Protocols: Modeling and Verification</b>	7.5 ECTS
C: 2    S: 2    L:    Ex: E	

**Academic year 2022-2023**  
**Master in Information Security**

**Year 2 (class 2021-2023)**

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**Semester 1**

*Compulsory courses*

**Wireless and Mobile Security** 7.5 ECTS  
C: 2 S: 2 L: Ex: E

**Operating System Security and Malicious Systems** 7.5 ECTS  
C: 2 S: 2 L: Ex: E

**Security of Electronic Commerce** 7.5 ECTS  
C: 2 S: 2 L: Ex: E

*Optional courses: 1 out of 2*

**Software Security** 7.5 ECTS  
C: 2 S: 2 L: Ex: E

**Belief Logics in Information Security** 7.5 ECTS  
C: 2 S: 2 L: Ex: E

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**Semester 2**

*Compulsory courses*

**Ethics and Academic Integrity** 5 ECTS  
C: 1 S: L: Ex: EVP

**Professional/Research Practice** 12 ECTS  
C: S: L: 6 Ex: EVP

**Methodology for Dissertation Development** 13 ECTS  
C: S: L: 7 Ex: EVP