



## Master In Next-Generation Computing (Artificial Intelligence and Formal Methods for Cybersecurity)

<i>Common Courses</i>	<i>Credit Hours</i>
Logic and Discrete Mathematics	2
Foundations of Computer Science	2
Artificial Intelligence Fundamentals	2
Object Oriented Programming and Data Analysis	2
Research Methodology	

<i>Core Courses</i>	<i>Credit Hours</i>
Cybersecurity Fundamentals	2
Artificial Intelligence for Information Security	2
Formal Methods for Information Security	2
Ethical Hacking and Systems Defense	1

<i>Elective Courses</i>	<i>Credit Hours</i>
Security Engineering	1
Security of Wireless Networks	1
Web Application Security	1
Cyber Risk Management and Incident Response	1
Secure Cloud Computing	1
Security Aspects of Internet of Things	1
Cyber Criminality and Forensics	1
Information Security Audit and Penetration Testing	1
Blockchain Security	1
Program Analysis for System Security and Reliability	1
Big Data	1
Advanced Deep Learning	1
Special Topics Elective	1

<i>Research-Oriented Projects</i>	<i>Credit Hours</i>
Seminar	1
Applied Research Project	4