

## INSTITUTION

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Website	<a href="http://www.hva.nl/opleiding/hbo-ict-cyber-security/cyber-security.html?origin=9NDwN6S1Rii7vO5klytlow">http://www.hva.nl/opleiding/hbo-ict-cyber-security/cyber-security.html?origin=9NDwN6S1Rii7vO5klytlow</a>

## DEGREE PROGRAMME

Name of programme	Cyber security (educational track)	CROHO	21QW-
Location	Amsterdam		
Educational level	Bachelor's degree	Qualification	BSc
Prior knowledge	HAVO / VWO / MBO <sup>1</sup>	Study load	240 ECTS
Type of programme	Full-time/part-time	Funded	Yes
Category	Technology	Will be offered from	Sept. 2018 onwards

<sup>1</sup> HAVO = senior general secondary education

VWO = pre-university education

MBO = senior secondary vocational education and training

## DESCRIPTION

Technical bachelor's degree that focusses on the technical knowledge and skills required in the process of proactively and iteratively investigating networks for advanced threats (offensive cyber threat hunting) based on system and network architecture (operating systems, computer systems, new technologies, internet).

## SUBJECTS (cybersecurity related)

Organisation	ECTS
Organisational studies and change management	3
Governance	3
Project management	3
Financial management	
Review and audit	
Risk and information security management	
Security architecture	
Identity & access management	
Business continuity management	
Legislation and compliance	
Specialisations:	
<b>People and Behaviour</b>	<b>ECTS</b>
Psychology	
Organisational psychology / culture	
Awareness	
Human failure	
Ethics	
Cybercrime	
Social engineering	
Crisis management	
Specialisations:	

Technology	ECTS
Information technology (without security)	54
<ul style="list-style-type: none"> <li>general computer science</li> </ul>	3
<ul style="list-style-type: none"> <li>computer systems</li> </ul>	12
<ul style="list-style-type: none"> <li>networks</li> </ul>	12
<ul style="list-style-type: none"> <li>software</li> </ul>	24
<ul style="list-style-type: none"> <li>data</li> </ul>	3
IT security	28
<ul style="list-style-type: none"> <li>computer systems</li> </ul>	16
<ul style="list-style-type: none"> <li>networks</li> </ul>	4
<ul style="list-style-type: none"> <li>software</li> </ul>	5
<ul style="list-style-type: none"> <li>data</li> </ul>	
Malware / fraud / hacking technology	12
<ul style="list-style-type: none"> <li>computer systems</li> </ul>	
<ul style="list-style-type: none"> <li>networks</li> </ul>	
<ul style="list-style-type: none"> <li>software</li> </ul>	
<ul style="list-style-type: none"> <li>data</li> </ul>	
Cryptography	
Digital forensic research	
ICS / SCADA	
Monitoring and analysis	
Privacy	
Specialisations:	

## INTERNSHIP / ELECTIVE MODULES

Internship / graduation / project	ECTS
Internship	30
Security Project	11
Final internship	30

Elective elements (minors, elective subjects, etc.)	60 ECTS
IoT – Internet of Things, minor	30
Mobile development, minor	30
Security, minor	30

		Big data, minor	30
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**COMPETENCES**

<b>Basic competencies (9 ECTS)</b>	
Dutch	Research skills
Presentation skills	Forming an opinion
Meeting skills	Learning skills
Collaboration skills	Mathematics