



## Cybersecurity Consultant – Overview

Presented by  
Chatzopoulou Argyro, TÜV TRUST IT GmBH  
Lampropoulos Kostas, University of Patras

# The Road to the Cybersecurity Consultant

The feasibility study identified **19** Profiles that are missing a certification scheme.

To refine this list and decide upon the one that will be used as the first CONCORDIA cybersecurity skills course and certification scheme the following steps were implemented:

- Job attractiveness analysis  
(drilled down to **10** Profiles)
- CONCORDIA ecosystem survey  
(drilled down to **5** Profiles)
- Team survey



Cybersecurity Consultant

# The Cybersecurity Consultant Role

## Leadership

- Understanding the project target client company
- Understanding of laws and regulations on information security
- Project management
- Analyzing vulnerability of information system
- Thinking skills
- Establishing of plan for diagnosis and improvement of personal information security
- Presentation
- Establishing and grasping definition, range, and relation between targets of information security
- Grasping and analyzing present condition of information system asset/risks
- Understanding of standards and criteria related to information security
- Evaluating and accrediting information system
- Understanding of network, system, security and IT services application
- Grasping present condition of network, server, and application system and ability to diagnose
- Human network
- Understanding and creating documents
- Designing and establishing information security master plan
- Understanding IT trends related to information security
- Exerting efforts in developing relationships with domestic and foreign persons concerned

## Customer service

- Teamwork
- Self-development
- Understanding the project process method and tool
- Grasping the scenario on anticipated threats
- Understanding of the basic operation of network, server, and application system
- Grasping industry trends related to information security
- Understanding of IT on physical security
- Privacy and morals
- Learning and understanding of the technology manual on computation equipment and facilities
- Sincerity and responsibility
- Method of realizing statistics and analysis result on current situation
- Knowledge and experience of management
- Understanding of program sources and programming ability
- Appearance and attire
- Basic foreign language

Source: Analysis of the Competencies of Information Security Consultants: Comparison between Required Level and Retention Level, Indian Journal of Science and Technology, Vol 8(21), Se-Yun Kim, Seong Taek Park and Mi Hyun Ko

# The Cybersecurity Consultant Role

- analyses ICT system
- define security policies
- define technical requirements
- develop information security strategy
- educate on data confidentiality
- execute ICT audits
- execute software tests
- identify ICT security risks
- identify ICT system weaknesses
- implement ICT risk management
- keep task records
- keep up with the latest information systems

- solutions
- manage IT security compliances
- manage disaster recovery plans
- monitor system performance
- perform risk analysis
- provide ICT consulting advice
- report test findings
- verify formal ICT specifications

Source: ESCO, ICT Security consultant profile

# The Cybersecurity Consultant Role



Common NICE  
Cybersecurity Workforce  
Framework Categories

630	→	334	Knowledge
374	→	222	Skills
176	→	128	Abilities
1007	→	608	Tasks

# The Cybersecurity Consultant Role

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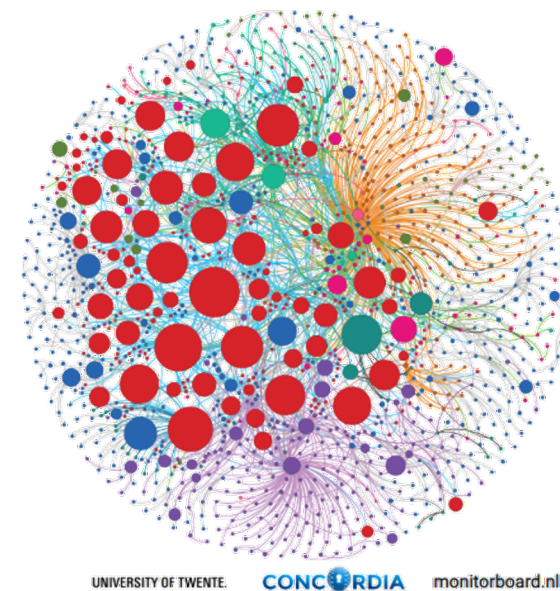
## Analysis of the Competencies of Information Security Consultants: Comparison between Required Level and Retention Level

Se-Yun Kim<sup>1</sup>, Seong Taek Park<sup>1</sup> and Mi Hyun Ko<sup>2\*</sup>



## National Initiative for Cybersecurity Education (NICE) Cybersecurity Workforce Framework

200 Knowledge  
90 Skills



UNIVERSITY OF TWENTE CONCORDIA monitorboard.nl



# Let's shape the Cybersecurity Consultant!

Analyze

Investigate

Oversee & Govern

Protect & Defend

<http://concordia.monitorboard.nl/>

SkillsKnowledge

Drag the items to the appropriate importance box

90 / 90 skills

Skill in administrative planning activities, to include preparation of functional and specific support plans, preparing and managing

Very Important

+ Add skill

Items dragged here are ranked as very important

Important

+ Add skill

Items dragged here are ranked as important

Not Important

Items dragged here are ranked as not important

### *Contact*

Research Institute CODE  
Carl-Wery-Straße 22  
81739 Munich  
Germany

[contact@concordia-h2020.eu](mailto:contact@concordia-h2020.eu)

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# Thank You !

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