

AFCEA INTERNATIONAL

BRINGING GOVERNMENT AND INDUSTRY TOGETHER SINCE 1946



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Regional Vice President
Central Eastern Europe & Baltic Region

Members



- **131 chapters and 16 student clubs in 49 countries**
- **35.000 Individual Members**
- **1.800 Corporate Members**
- **Members include:**
 - **Military**
 - **Government**
 - **Industry – Large & Small Business**
 - **Academia**
 - **Students**

Cyber Security Framework



IDENTIFY

- Asset management
- Business environment
- Governance
- Risk assessment
- Risk management strategy

PROTECT

- Access control
- Awareness and training
- Data security
- Information protection and procedures
- Maintenance
- Protective technology

DETECT

- Anomalies and events
- Security continuous monitoring
- Detection process

RESPOND

- Response planning
- Communications
- Analysis
- Mitigation
- Improvements

RECOVER

- Recovery planning
- Improvements
- Communications

Source: NIST © 2014

Cyber Security Education



Country	Current Experts	Experts needed training	Missing Experts	Total adepts for Education	Final number of Experts
Germany	?	-	100.000	100.000	100.000
Japan	265.000	160.000	80.000	240.000	345.000
South Korea	?	-	5.000*	5.000	?
UK	40.000	-	400.000	400.000	440.000
USA	350.000	-	40.000	40.000	390.000

Sources: Cyber Strategy of Japan © 2013; NIST © 2014; Adm. Rogers, Director NSA at AFCEA Conference in Baltimore, 2014; Wikipedia © 2014; BSI © 2013, 2014; GOV.UK © 2012, 2014.

* Only for government

The Czech Republic



- **Security Education or Certified knowledge**
 - 2.3% employees
 - **1.8% government employees (2.880)**
 - 9.8% employees in TELCO sector

Source: CSO © 2012

- **Security Awareness**
 - 3.3% employees
 - 40% companies support to increase security awareness of their employees (Source: PSIB 2009)

Up to 12.800 government employees need additional training or education

NATO & EU



- **European Union - ENISA**
 - Roadmap for NIS education programmes in Europe
 - Cyber Security Month

- **NATO**

- **NCISS – Seminars, Courses**
- **NATO CCD COE Tallinn – Seminars, Workshops**
- **NATO COE DAT Ankara – Seminars**

NATO & EU



Title	URL	Provider	Platform
Public Privacy: Cyber Security and Human Rights	https://iversity.org/courses/public-privacy-cyber-security-and-human-rights	The Hague Institute for Global Justice	Iversity
IT Security	http://www.opencourseworld.de/pages/coursedescription.jsf?courseid=485951	Technischen Universität Darmstadt	OpenCourseWorld
Malicious Software and its Underground Economy: Two Sides to Every Story	https://www.coursera.org/course/malsoftware	University of London	Coursera
Information Security and Risk Management in Context	https://www.coursera.org/course/inforiskman	University of Washington	Coursera
Cybersecurity	https://www.coursera.org/specialization/cybersecurity/7?utm_medium=catalogSpec	University of Maryland	Coursera
Internet History, Technology, and Security	https://www.coursera.org/course/insidetheinternet	University of Maryland	Coursera
Usable Security	https://www.coursera.org/course/usablesec	University of Maryland	Coursera
Building an Information Risk Management Toolkit	https://www.coursera.org/course/inforisk	University of Washington	Coursera
Industrial cybersecurity	https://formacion-online.inteco.es/en/web/advanced-course-in-industrial-cybersecurity	INTECO	INTECO
Introduction to Cyber Security	https://www.futurelearn.com/courses/introduction-to-cyber-security	The Open University	FutureLearn

AFCEA International Offers



- **Cyber Awareness**
 - Seminars
 - Conferences
 - Theoretical and practical exercises
 - Live demonstrations

- **Professional Development courses**
 - On-site courses
 - On-line courses

AFCEA International Offers



- **Cooperative programs with**
 - American Military University
 - Capella University
 - Carnegie Mellon (**Discounts**)
 - John Hopkins University (**Discounts**)
 - National Cyber Institute at Excelsior College (**Discounts**)
 - SANS Institute
 - UMBC Training Centre (**10% Discount**)
 - University of Maryland (**Discounts up to 25%**)
 - Etc.

Cyber Security Education



- **Bachelor's programs**
- **Masters programs**
- **Associate degrees**
- **MBA programs**
- **PhD. programs**
- **Undergraduate certifications**
- **Graduate certifications**

Cyber Security Certifications



- **Cybersecurity Policy**
- **Cybersecurity Technology**
- **Digital Forensics and Cyber Investigation**
- **Foundations of cybersecurity**
- **Cybercrime Essentials**
- **Homeland Security Management**
- **Information Assurance**
- **Ethical Hacking (CEH)**
- **Computer Hacking Forensics Investigator (CHFI)**
- **CISSP**
- **Network and Packet Analysis**
- **Intelligence Analysis**
- **Cyber Terrorism**
- **Information Assurance**
- **Etc.**

Contacts



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