Technische Hochschule Brandenburg
University of
Applied Sciences
Institute for Security and Safety

ISS Training Plans 2020

Second Meeting of Steering Committee for the ITU
Centres of Excellence for Europe, Trieste, ICTP

Dmytro Cherkashyn – November 20, 2019

Courses Overview

CYBERSECURITY

CYBERSECURITY TECHNIQUES
[January-December]

ORGANISED BY

Technische Hochschule
Brandenburg
University of
Applied Sciences
**Institute for Security
and Safety**

LANGUAGE
ENGLISH

FEES
250 USD

MODE
ONLINE
SELF-PACED

This online course will provide
theoretical and practical knowledge
of IT and cyber security and
security methods for computer,
network and electronic communication.
The course consists of various chapters
and will cover fundamentals, such as
IT verses ICS, Threats and their Sources,
Authentication, Computer Access Control,
Cryptography, Network Security,
Network Firewall Concepts,
Intrusion Detection. The student will get a
comprehensive view on security in the
cyber space.

CYBERSECURITY

CYBER INCIDENT RESPONSE
[January-December]

ORGANISED BY

Technische Hochschule
Brandenburg
University of
Applied Sciences
**Institute for Security
and Safety**

LANGUAGE
ENGLISH

FEES
250 USD

MODE
ONLINE
SELF-PACED

The CIR course will provide students
with all necessary knowledge of
Cyber Incident Response activities,
what are main goals and challenges,
and explaining main roles and responsibilities
in such important process.
They will get most up to date trends in this
area with an emphasis on most important
details of each Cyber Incident Response stage.
Upon the successful completion of this course,
students will be able take a part in development
and implementation of Cyber Incident Plan.

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INFORMATION SECURITY MANAGEMENT SYSTEM

CYBERSECURITY

INFORMATION SECURITY MANAGEMENT SYSTEM
[May-December]

ORGANISED BY

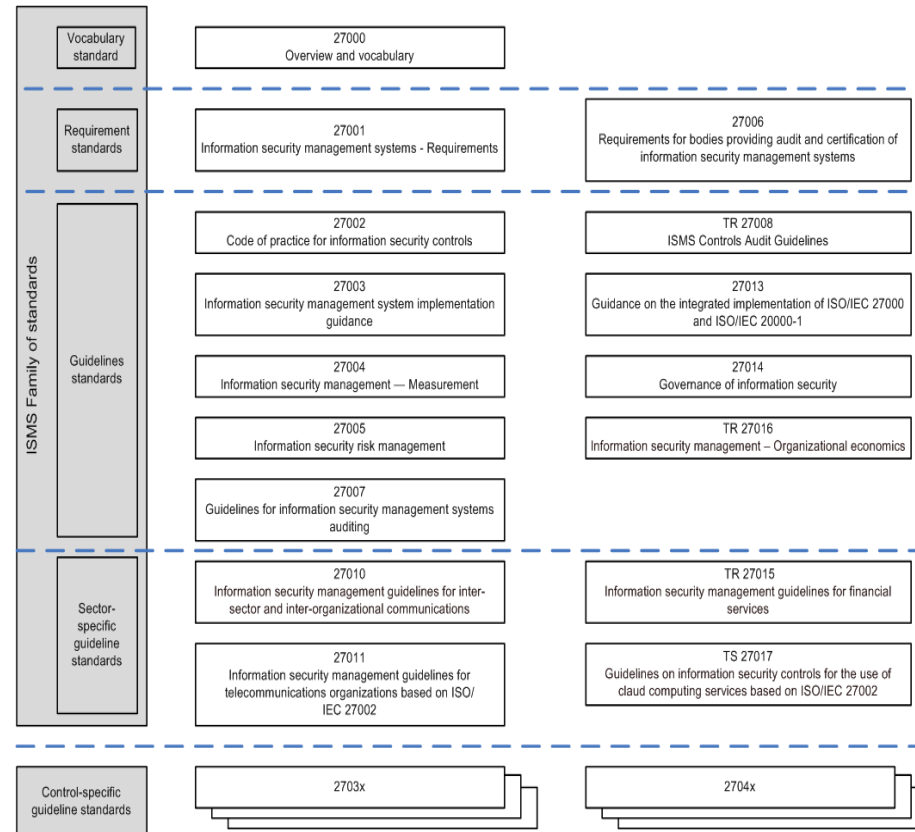Technische Hochschule Brandenburg
University of Applied Sciences
Institute for Security and Safety

LANGUAGE
ENGLISH

FEES
250 USD

MODE
ONLINE
SELF-PACED

This online course will provide introduction into ISO 27000 standard information security series as well as advanced theoretical knowledge and practical examples of development, integration as well as operation of ISMS according to ISO 27001 International Standard.

Students will learn about information security related processes as risk management, areas of standard application and necessary controls along with Annex of ISO 27001, which is compliance related.
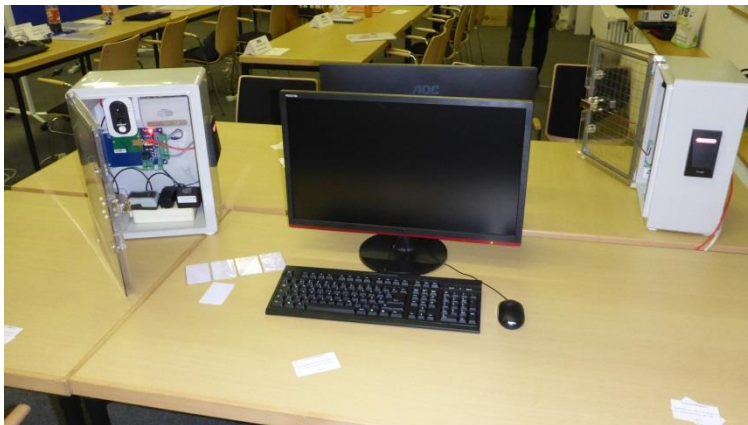

ISMS Family of standards

Vocabulary standard	**27000** Overview and vocabulary
Requirement standards	**27001** Information security management systems - Requirements
	27006 Requirements for bodies providing audit and certification of information security management systems
Guidelines standards	**27002** Code of practice for information security controls
	TR 27008 ISMS Controls Audit Guidelines
	27003 Information security management system implementation guidance
	27013 Guidance on the integrated implementation of ISO/IEC 27000 and ISO/IEC 20000-1
	27004 Information security management — Measurement
	27014 Governance of information security
	27005 Information security risk management
	TR 27016 Information security management – Organizational economics
	27007 Guidelines for information security management systems auditing
Sector-specific guideline standards	**27010** Information security management guidelines for inter-sector and inter-organizational communications
	TR 27015 Information security management guidelines for financial services
	27011 Information security management guidelines for telecommunications organizations based on ISO/IEC 27002
	TS 27017 Guidelines on information security controls for the use of claud computing services based on ISO/IEC 27002
Control-specific guideline standards	**2703x**
	2704x

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INDUSTRIAL CYBER SECURITY AND INCIDENT RESPONSE

INDUSTRIAL CYBER SECURITY AND INCIDENT RESPONSE
[September 9-11]

ORGANISED BY

Technische Hochschule
Brandenburg
University of
Applied Sciences
**Institute for Security
and Safety**

LANGUAGE
ENGLISH

FEES
1250 USD

MODE
FACE-TO-FACE

This course will provide students with unique expertise in area of critical infrastructure cyber security. Course will cover typical threats and vulnerabilities typical IT and industrial control systems.
Another part of the course will be dedicated to table-top exercise and case study on Incident Response in hypothetical environment. This will be continued by practical part, where students will play the role of a hackers, who a targeting industrial control and security system of the improvised company with the break-out session on consequences and potential mitigation strategies.

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Thank you for your attention!

d.cherkashyn@uniss.org
www.uniss.org