

The Institute for Security and Safety (ISS) is an institute of the Brandenburg University of Applied Sciences. It is located in Potsdam near Berlin, Germany. The Institute focuses on research, international education and training concepts in the areas of cyber security and nuclear security and security of critical infrastructures.

ISS is a member of IAEA INSEN and OSCE Network.

We believe that people make the difference as to whether or not security works. That is why we put great emphasis on training, exercises and exchange of educational experiences.

As an institute of the Brandenburg University of Applied Sciences we are able to offer sophisticated national and international education concepts with direct links to university programs and certificates and/or ECTS credits. Working together with ISACA, all courses can be used for further education and retention of certificates. We can also offer on and off-site training in security and safety.

Most of our lecturers, researchers and trainers are also practitioners with hands-on experience and a broad understanding of how to implement security.

If you provide ICT support for international organisations, nation states or regions, we are able to support you in terms of cyber security capacity building.

We also look forward supporting also in deepening the knowledge in Nuclear Security Management.

If aforementioned applies to you, please contact us:

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**Education And
Capacity Building
For Nation States**

International Cyber Security Capacity Building

The threat from cyber attacks is increasingly perceived as a problem of national and international security. Nation states need to seriously address the way to protect their information networks in particular those related to national security and critical infrastructure from any attacker. To achieve this goal for the nuclear sector a framework was developed following the “NS22 IT/cyber security” set out in IAEA Nuclear Security Series No. 12, Educational Programme in Nuclear Security. Based on this framework the ISS has developed an education format called **Professional Development Course**.

The course is based on the “train-the-trainer” approach: Experienced lecturers from academia in the nuclear academic community give lectures in a two week course.

The course modules follow the **IAEA Textbook “NS22 Computer Security for Nuclear Security Professionals”**.

Between classroom training sessions each participant prepares a teaching concept on one of the topics covered in the first week of the course. The course is wrapped up with feedback session on homework and delivery of certificate.

Security Management With Focus on Nuclear Security

Our main area of work is in the context of nuclear security with a strong focus on cyber security. These areas are linked together by “security management”. Security management is the overall discipline which addresses many essential aspects in the field of “security”.

In this regard we offer Master Courses in:

- **M.Sc. Security Management**

The course offers an M.Sc. degree and is taking place at the Brandenburg University of Applied Sciences, Germany. Working language is German.

- **M.Sc. Security Management Nuclear Security**

The course is based on the previous Masters Course with extensions on nuclear security. An M.Sc. degree of Brandenburg University of Applied Sciences is offered. The course is held in cooperation with international partners worldwide. Working language is English.

Educational Instruments Provided by ISS

- Professional Development Courses with certificates in IT/Cyber Security
- Security Management courses for students, executives, specialists
- Courses can be added credits based on the European ECTS model
- ISS has gained excellent bases of know-how for transferring its knowledge and experience as well as for guiding and supervising other institutions by starting their own IT/Cyber Security PDCs
- In this regard we offer courses upon request:
 - In desired format, for desired target group and meeting desired requirements, e.g. teaching experts, executives and/or nation state employees
 - courses from 1 day to several weeks including complete organization, e.g. travel arrangements, accommodation and catering
- Network of international lecturers and specialists that are working together with ISS
- Expertise in all questions concerning nuclear security and cyber security
- Research