

## Educational partnerships

There is a wide range of possibilities to partner or cooperate with MiNS. The possibilities include, for example, to provide a joint or double degree or by integrating MiNS distance-learning courses into your curriculum or by integrating your courses as compulsory facultative courses into MiNS (for distance or classroom learning).

## Supporting MiNS

We address all organizations or individuals that would like to support our educational activities and the efforts linked to them. Anyone who sees a value in educating students and professionals in terms of nuclear security is welcome to support us, e.g. with promotion, funding or scholarships – in particular with a focus on the Master in Nuclear Security (MiNS) at the Brandenburg University of Applied Sciences. Various ways are possible in this regard.

## [www.mins.study](http://www.mins.study)

Find more information on MiNS for students, companies and other employers, as well as educational institutions on [www.mins.study](http://www.mins.study). Here, you can also find ideas on how to promote or support the program.

Furthermore, you may provide your contact information through the form on the website, and we will then get back to you to answer your individual inquiries.



## Contact

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# Master in Nuclear Security (MiNS)

Master of Science (M.Sc.)

## Program overview

The Master in Nuclear Security (MiNS) at the Brandenburg University of Applied Sciences is an innovative and unique distance learning program, which equips participants with the theoretical and practical knowledge on the interconnected dynamics in the field of nuclear security. It prepares participants to use appropriate analytical tools to make thorough decisions in the various areas connected to nuclear security.

MiNS spans over three terms (full-time) and covers modules such as nuclear security management, physical protection or computer security. It usually takes 12 months of learning and up to 6 months for writing the thesis to conclude the program. Students will receive solid knowledge in nuclear security, which enables them to find synergy in thinking between security, safety and business, as well as risk management and corporate governance.

The Master's program structure and content are based on the results of an internal revision process of the IAEA Nuclear Security Series No. 12 (NSS 12): "Educational Programme in Nuclear Security" and the teaching materials of the International Nuclear Security Education Network (INSEN). Furthermore, MiNS builds upon the lessons learned from the pilot EU program "Master in Nuclear Security". Therefore, it is one crucial step ahead of the current state of the art in teaching nuclear security.

MiNS will be conducted as a digital distance-learning program. This will allow students from anywhere in the world to participate. All the necessary study material will be available online.



To enhance the positive learning outcomes of each student, the courses will be provided as virtual blended learning courses with academic letters (digital study material). Moreover, the interactive web-based teaching sessions will be led by highly experienced international experts.

## MiNS program contributors

The Master's program is organized and implemented by the ISS in close cooperation with international partners. Each of them possesses excellent experience and knowledge in the nuclear security field. The partners are experts from the following institutions, which all are members of INSEN:

- Technische Universität Wien – Atominstitut, Austria
- King's College London, U.K.
- Purdue University, U.S.
- University of Ontario Institute of Technology, Canada
- Texas A&M University, U.S.

## MiNS at a glance

Institution providing the degree	Brandenburg University of Applied Sciences
Target group	e.g. international diplomatic staff, security professionals, employees of regulatory authorities, as well as nuclear security/safety officers in national authorities and federal ministries
Degree awarded	Master of Science (M.Sc.)
ECTS points	90
Program start	summer term 2018
Mode of study	digital distance learning
Program duration	3 terms (full-time) or 5 terms (part-time)
Prerequisites	Bachelors degree or equivalent; relevant work experience; sufficient command of English
Language of instruction	English
Tuition fees	€ 16,958 (incl. VAT) for the whole program

## Curriculum

<b>Security Management</b>	
Nuclear Security Management	6 ECTS
National Security and Counterterrorism	6 ECTS
<b>International Law and Risk Assessment</b>	
Threat Assessment and Planning	6 ECTS
International Cooperation, Legal Framework	6 ECTS
<b>Fundamentals of Mathematics and Technology</b>	
Physical Protection	6 ECTS
Computer Security	6 ECTS
<b>Nuclear Security</b>	
Nuclear Security in Transport and Storage	6 ECTS
Detection and Response to Nuclear and Other Radioactive Material Out of Regulatory Control	6 ECTS
<b>Compulsory Facultative Course</b>	
CFM I-III	9 ECTS
<b>Research and Academic Working</b>	
Research Paper	6 ECTS
Project	6 ECTS
<b>Master Thesis</b>	21 ECTS
<b>Σ 90 ECTS</b>	

## Certificate program

Besides the full Master's program, we provide standardized certificate programs in nuclear security for the courses Security Management, International Law and Risk Assessment, Fundamentals of Mathematics and Technology, Nuclear Security, and the CFMs.

We are also able to develop bespoke certificate programs for academia, operators, technical support organisations, regulatory authorities or nation state representatives that will be an individual composition of modules which strengthen the knowledge base of employees, widens their academic expertise and fulfils the regulatory requirements in terms of scientific education in nuclear security.

The formal prerequisites (e.g. bachelor degree and work experience) are not relevant.