Master in Nuclear Security (MiNS) at the Brandenburg University of Applied Sciences

A program overview

Institute for Security and Safety (ISS) – July 9, 2018
Marco Macori
Presentation overview

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- Program contributors
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MiNS at a glance

Master of Science (M.Sc.) from Brandenburg University of Applied Sciences

- 90 ECTS points
- English
- Required: Bachelor, English & work experience
- 6 courses
- 3 terms (full-time)
- Digital distance and e-learning

Target group:
e.g. academics, diplomatic staff, security professionals, employees of regulatory authorities, as well as nuclear security/safety officers in national authorities

Tuition fee: 16,958 €
## Career paths

<table>
<thead>
<tr>
<th>Senior professional position</th>
<th>Ph.D.</th>
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<tbody>
<tr>
<td>Master in Nuclear Security (MiNS)</td>
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<tr>
<td>Relevant work experience and proof of English skills</td>
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<tr>
<td>Bachelor’s degree</td>
<td>Master’s degree</td>
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Innovative program

- Curriculum is based on the lessons learned from the pilot EU program "Master in Nuclear Security", the results of the internal revision process of **IAEA NSS 12** and the teaching materials of INSEN.

- **Digital distance-learning** Master provided as virtual blended learning courses with digital study material; available on e-learning platform

- No physical presence at Brandenburg University required

- Close **cooperation with international experts** from renowned institutions (INSEN members)
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<tr>
<th>Course</th>
<th>Module</th>
<th>ECTS</th>
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<td>Security Management</td>
<td>Nuclear Security Management <em>(e-learning course)</em></td>
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<td>National Security and Counterterrorism</td>
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<tr>
<td>International Law and Risk Assessment</td>
<td>Threat Assessment and Planning</td>
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<td></td>
<td>International Cooperation, Legal Framework and Governance</td>
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<td>Fundamentals of Mathematics and Technology</td>
<td>Physical Protection <em>(e-learning course)</em></td>
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<td></td>
<td>Computer Security <em>(e-learning course)</em></td>
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<td>Nuclear Security</td>
<td>Nuclear Security in Transport and Storage</td>
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<td></td>
<td>Detection and Response to Nuclear and Other Radioactive Material out of Regulatory Control</td>
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<tr>
<td>Compulsory Facultative Courses (=electives)</td>
<td>Nuclear Forensics, Import/Export and Transit Control</td>
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<td></td>
<td>Mechanism and Regime, Nuclear Security at Major Public Events</td>
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<tr>
<td>Research and Academic Working</td>
<td>Research Paper</td>
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<td></td>
<td>Project</td>
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<tr>
<td>Master Thesis</td>
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<td>21</td>
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</tbody>
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Program contributors

• Dr. Jason T. **Harris**, Purdue University, U.S.
• Dr. Christopher **Hobbs**, King’s College London, Department of War Studies, Centre for Science and Security Studies (CSSS), U.K.
• Dr. Craig M. **Marianno**, Texas A&M University, Department of Nuclear Engineering, and Nuclear Security Science and Policy Institute (NSSPI), U.S.
• Dr. Johannes H. **Sterba**, Technische Universität Wien – Atominstitut, Austria (also a program co-manager)
• Dr. Edward J. **Waller**, University of Ontario Institute of Technology, Canada
MiNS prepares students to use the appropriate analytical tools to make **thorough decisions** in the various areas of nuclear security.

MiNS 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**.

MiNS will enable participants to work at a **strategic level** within the field of nuclear security.

> **MiNS is an effective way of educating and developing strategic talent and nuclear security managers in various functions.**
Application procedure

- Online application process for winter term 2018 has started.
- **Application deadline:** September 15.
- The winter term starts in October 2018.
- If you are interested, please fill out the **CONTACT US form** on [www.mins.study](http://www.mins.study)
- You'll then receive detailed information on the application procedure via email.
• After you have successfully applied, we'll forward your name to IAEA.
• Then, **IAEA in consultation with your national government** decides whom to financially support.
• Aside from applying for an IAEA fellowship, you may also consider inquiring financial support from your national government/authorities. Or apply for financial support from **non-governmental institutions, foundations, funds** etc.
ISS - THB Management Team

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Looking forward to your questions!