



Università di Roma Tor Vergata

## **INTERNATIONAL CBRNe MASTER COURSES**

Chemical, Biological, Radiological, Nuclear and explosive

Department of Industrial Engineering and Faculty of Medicine and Surgery

The Department of Industrial Engineering and  
the Faculty of Medicine and Surgery

cordially invites you  
to the Press Conference

on July 15th, 2013 11 a.m.

Sala Conferenze

INGV- Via di Vigna Murata, 605 Rome

Presentation of the International Master  
Courses in "*Protection against CBRNe events*"

*After the conference will be offered un vin  
d'honneur*

Please RSVP by July 12th by email at  
[info@mastercbrn.it](mailto:info@mastercbrn.it)

[www.mastercbrn.com](http://www.mastercbrn.com)

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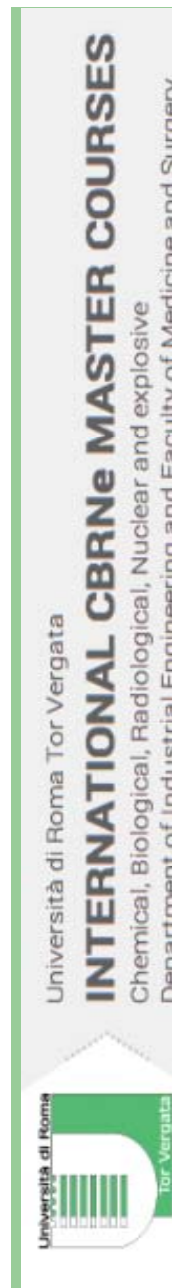
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**International Entities:**

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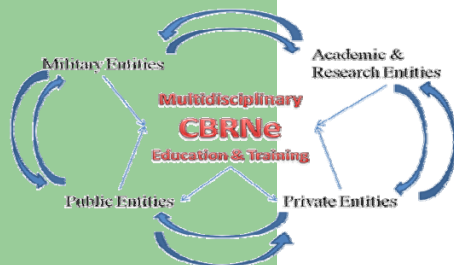


**Master Courses in:**  
*Protection against  
CBRNe events*

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## MASTER COURSES IN “PROTECTION AGAINST CBRNe EVENTS”



The evolution and the increase of *Safety and Security* threats on the national and international scenario pay attention to the need of answering to eventual crisis in a competent and professional way consequent to the ordinary and the non conventional events (Chemical, Biological, Radiological, Nuclear, and explosives).

Noted the global interest for these need, the Department of Industrial Engineering and the Faculty of Medicine and Surgery offer the international Master Courses in “Protection against CBRNe events”:

- **1st Level Master Course in “Protection against CBRNe events” (120 ECTS);**
- **2nd Level Master Course in “Protection against CBRNe events” (60 ECTS).**

These courses aim to complete competences, didactical and research activities in the sector of **Safety and Security** through a project, that answers to the needs of the job market.

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## MASTER COURSE IN “PROTECTION AGAINST CBRNe EVENTS”

### 1st Level Course for FIRST RESPONDERS



**Duration:** 2 years (January 15th, 2014 –December 15th 2015)

**ECTS:** 120 ECTS - At the end of course the final degree awarded is “Master of I Level in Protection against CBRNe Events (120 ECTS)”, with legal value, according to the Italian law.

**Curriculum (Tentative To be defined)**  
 (each module will last about one week per month, from Monday to Friday)

Lectures will start 13/01/2014 at University of Roma Tor Vergata.

MODULE 0: Introduction To CBRNe Risks

MODULE 1: Analysis of CBRNE Agents and Their

MODULE 2: The Effects of CBRNE Agents

MODULE 3: Software Applications

MODULE 4: Operating principles and trials of CBRN monitoring instrumentation

MODULE 5: Protection and Decontamination of Personnel/

Environment, Equipment and Infrastructure

Stage at Seibersdorf Laboratories

MODULE 6: The International Response System to CBRNE Events

MODULE 7: First Medical Aid

MODULE 8: Investigation of CBRNE events and communication on site of a CBRNe event

Practical Training at NBC School Rieti (Italy)

Practical Training at VVU-026 (Czech Rep.)

Practical Training Chornobyl Centre (Ukraine)

Individual Internship/stage with personal tutor in the enterprises or public entities (lasting 3 months)

Individual Master Thesis (lasting 3 months)

**Tuition Fee:** 15,144.62 euro (taxes included)

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## MASTER COURSE IN “PROTECTION AGAINST CBRNe EVENTS”

### 2nd Level Course for CBRNe ADVISORS OF DECISION MAKERS



**Duration:** 1 year (January 15th, 2014 –December 15th 2014)

**ECTS:** 60 ECTS—At the end of course the final degree awarded is “Master of II Level in Protection against CBRNe Events (60 ECTS)”, with legal value, according to the Italian law.

**Curriculum (Tentative To be defined)**

(each module will last about one week per month, from Monday to Friday)

Lectures will start 13/01/2014 at University of Roma Tor Vergata.

MODULE 0: CBRNe risk and the agents

MODULE 1: The Effects of CBRNe Agents and the sampling techniques

MODULE 2: CBRNe detection instrumentation

MODULE 3: Software in the case of event CBRNe and protection techniques

MODULE 4: Decontamination and remediation

MODULE 5: The international response to CBRNe events

MODULE 6: Critical infrastructure, investigation and communication in case of a CBRNe event

MODULE 7and 8: High Level Experiences in specialized European Facility

Individual Internship/stage with personal tutor in the enterprises or public entities (minimum 1 month)

Individual Master Thesis

**Tuition Fee:** 7,144.62 euro (taxes included)

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