



**Occupational Safety Health & Environmental Consultants Corp. T&T 1. 868. 749.3200**  
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**March 21, 2013**

**NEBOSH Syllabus International Oil and Gas Certificate Course: Macae; Brazil - May 20-24, 2013**

**The syllabus is divided into five elements:**

**ELEMENT 1:** Health, Safety and environmental management in context

- Learning from Incidents
- Hazards inherent in oil and gas
- Risk Management Techniques used in the oil and gas industries
- Safety cases and safety reports

**ELEMENT 2:** Hydrocarbon process safety 1

- Contractor management
- Process Safety Management (PSM)
- Role and Purpose of a permit-to-work system
- Key principles of shift handover
- Plant operations and maintenance

**ELEMENT 3:** Hydrocarbon process safety 2

- Failure modes
- Safety critical equipment controls
- Safe storage of hydrocarbons
- Furnace and boiler operations

**ELEMENT 4:** Fire protection and emergency response

- Fire and explosion risk in the oil and gas industries
- Emergency Response

**ELEMENT 5:** Logistics and Transport operations

- Marine Transport
- Land Transport

**Examination Details (course and exam is in English)**

The examination comprises of a 2-hour written examination. The written paper consists of one 'long-answer' question and ten 'short-answer' questions. All questions are compulsory. The course is will be scheduled for one (1) week **May 20-24, 2013** with an exam on the 5<sup>th</sup> day... The cost for this training is \$1,700 US before April 20, 2013 and \$1850 US until 2<sup>th</sup> May 2013. The venue is at the Comfort Suites Macae, Avenida Atlantica 3036 Praia dos Cavaleiros, Macae, BR, 27920-390

**If you have further questions, feel free to call me at 1.917.324.0746 or email at carlstien@gmail.com**

**Sincerely,**

*Carlstien Lutchmedial*



**Carlstien Lutchmedial, CSP CPP, CMIOSH**