



## **ATEX / IECEX Application Design Course (with NEC Comparison Optional)**

Course Number ATEC104-5A

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### **Course Overview**

This is an engineering-level competence-based course for designers of equipment / systems needing to meet ATEX or IECEX requirements. European Harmonized Standards (EN 60079-14) and IEC standards (IEC 60079-14) state that persons who design equipment or systems for use in potentially explosive atmospheres should be properly trained and certified as “competent”. Anyone who has the responsibility for ensuring that such equipment or systems is suitable and in compliance with the ATEX directive and / or EN (or IEC) standards will benefit from this course.

### **Course Content**

- Defining ATEX & IECEX
- Essentials of Area Classification
- Equipment protection concepts (electrical & non-electrical)
- Equipment selection, installation, and maintenance concepts
- Ignition Hazard Assessments
- Assessment and compliance for Assemblies & Mixed Systems
- Methods for compliance
- Practical Exercise—Assessment and Preparation of Technical File
- IECEX Unit EX001 Competence Assessment
- Optional Comparison to NEC Requirements (Day 5)

### **Course Details**

**Location: ATEC Training & Certification, Houston, Texas**

**Duration: 5 Days**

**Course Hours: 8:00 a.m. to 4:00 p.m.**

**Min / Max Students: 5 / 12**

**Competence Assessment: IECEX Unit EX001 Competence Assessment by Sira Certification (an approved IECEX Certification Body)**

**Certification: Successful candidates are awarded an IECEX Certificate of Personnel Competence**

**Price: \$3000 / Student (group rates can be negotiated)**