

Sarasota County Technical Institute presents



Air Monitoring for Hazardous Materials Technicians

Shift Friendly Schedule

Session 1 November 10 & 11 – 8:30 to 5:30

Session 2 November 12 & 13 – 8:30 to 5:30

Session 3 November 14 & 15 – 8:30 to 5:30

(Attend either day of each session)

Sarasota County Technical Institute
Health Occupations – Building 15
4748 So. Beneva Road • Sarasota, FL 34233
Online Registration at:

<http://www.responsetechnologies.com/Calendar.asp>

Program Goal:

This program is designed to provide the participants with an understanding of the principles and proper use of air monitoring and analytical equipment for hazardous materials emergency response. The program steps the participant through the hazard assessment and verification process necessary for effective air monitoring operations. Once provided with the basic understanding of the principles, they are provided opportunities for hands-on application during both tabletop and simulation settings. Topics include:

Basic Principles

- Chemistry related to air monitoring
- Establishing action levels
- Instrument factors and inherent safety
- Field maintenance and documentation
- Application of air monitoring strategy

Common Instruments and Applications

- Corrosivity and radiological
- Ludlums 2241-2RK
- Oxygen and combustible gas detectors
- Instrument calibration procedures

Toxicity Monitoring

- Exposure limits and calculations
- Photo ionization detectors
- Flame ionization detector and the TVA 1000B
- Dräger® CDS and simultaneous applications
- Military detection (M8, M9)
- Personal sampling monitors

Advanced Instruments

- Ion Mobility Spectrometry (APD 2000)
- Surface Acoustical Wave (HazMat CAD)
- IR Spectrometry (Miran & Field FTIR)

Target Audience:

The target audience for this program includes emergency response personnel responsible for the implementation of air monitoring procedures and the analysis of identified and unidentified hazardous materials during incidents involving the release of potentially hazardous substances. It addresses those instruments purchased in Florida through DHS funding

Scheduling and Program Costs: \$ 700.00/participant

This program will be provided in a shift friendly schedule format if sufficient registrations are received. If 20 or greater participants are registered prior to the cut off date of November 2, 2007, then both deliveries (Nov 10, 12, 14 and Nov 11, 13, 15) will take place. **If less than 20 participants register, then one delivery will be eliminated and only one class will be provided (November 12, 13 & 14). Minimum registration is 12 participants. Agencies committing to filling seats agree to the registration fee for “no shows”.**

How to Register for a Seat:

All registrations must be made on the Response Technologies website at <http://www.responsetechnologies.com/Calendar.asp>. Select the “Register Now” link next to the class desired and complete the requested information. You will receive an immediate confirmation of registration. If you have questions or, if you need to cancel a previously made registration prior to November 2nd, please call Response Technologies at 941-371-7849.