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C & G Ed approval: November 30, 2018  
Board approval: December 12, 2018  
Semester effective: Fall 2019

Occupational Safety and Health (OSH) 1109 Emergency Response Technician Training (1Unit)  
[formerly Petroleum Technology 94Q and IES 1109]

Prerequisite: None

Total Hours: 18 hours lecture; 6 hours lab (24 hours total)

Catalog Description: This course is designed for employee training required by OSHA 29 CFR 1910.120(q)(6)(iii) hazardous materials technician for individuals who respond to releases or potential releases for the purpose of stopping the release. Course offered with a pass/no pass basis with a letter grade option.

Type of Class/Course: Degree Credit

Textbook: *USDOT 2016 North American Emergency Response Guidebook*. Neenah, WI: J.J. Keller & Associates. 2016.

Additional Required Materials: WESTEC generated handouts, unpublished

Course Objectives:

By the end of the course, a successful student will be able to

1. perform advanced control, containment, and/or confinement operations,
2. carry out the tasks of an assigned role in the incident command system,
3. successfully identify, verify, and classify known and unknown materials by using field survey equipment,
4. identify and explain behaviors of basic chemicals and toxicological elements, and
5. create and implement an emergency response plan (ERP).

Course Scope and Content:

- Unit I            Response Team Monitoring
- A.     Assuring Health and Safety of Response Team Members
  - B.     Execute Emergency Response Measures
- Unit II            Fundamentals of Emergency Response
- A.     Terminology and Abbreviations
  - B.     Protective Methodologies
  - C.     General Requirements
  - D.     Related Regulations

- Unit III Unified Command
- A. Definition
  - B. Functions
  - C. Incident Command Structure
  - D. National Interagency Incident Management System
  - E. Reporting and Relieving Protocols
  - F. Assuming Positions
  - G. Termination Procedures

- Unit IV North American Emergency Response Guide (NAERG)
- A. Purpose
  - B. Information Provided
  - C. How to Use

- Unit V Elements of Emergency Response
- A. Emergency Response Plan (ERP)
  - B. Recognizing Emergency
  - C. Reporting Releases
  - D. Isolation and Protection
  - E. Risk Assessment
  - F. Control Operations
  - G. Hazardous Substance Identification
  - H. Decontamination

Lab Content:

1. Practice scenarios for decision-making in response to HAZMAT spills and releases
2. Institution of the Incident command system
3. Set up and practice decontamination techniques
4. Use of NAERG in a field situation

Learning Activities Required Outside of Class: None

Methods of Instruction:

1. Lecture
2. Discussion
3. Multimedia Presentations
4. Hands-on practical exercises

Methods of Evaluation:

1. Written final exam
2. Performance observation of student operation

Supplemental Data:

TOP Code:	095670: Indus Occupational Safe Health
SAM Priority Code:	C: Clearly Occupational

Distance Education:	Not Applicable
Funding Agency:	Y: Not Applicable(funds not used)
Program Status:	2: Stand-alone
Noncredit Category:	Y: Not Applicable, Credit Course
Special Class Status:	N: Course is not a special class
Basic Skills Status:	N: Course is not a basic skills course
Prior to College Level:	Y: Not applicable
Cooperative Work Experience:	N: Is not part of a cooperative work experience education program
Eligible for Credit by Exam:	NO
Eligible for Pass/No Pass:	C: Pass/No Pass
Taft College General Education:	NONE