

# TBE

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## Courses

### **TBE 101 Introduction to Incident Management Operations** **1 Credit. 1 Lecture Hour. 0 Lab Hour.**

This course based on NFPA Standards 1026 & 1670. This is an introductory course on Incident Management Operations Topics include: Hazard Identification and Risk Assessment, Incident Response Planning, roles and responsibilities of Incident Command System staff officers, FEMA NIMS, rescue operations strategy & tactics, and responder safety  
Prerequisites: None

### **TBE 102 Rope Rescue Operations** **2.5 Credits. 2 Lecture Hours. 1 Lab Hour.**

A course based on NFPA Standards 1006 and 1670. Topics include: rope design, rescue knots, anchoring systems, mechanical advantage, load calculations, rappelling, and vertical rescue techniques.  
Prerequisites: None

### **TBE 103 Water Search and Rescue Operations** **2.5 Credits. 2 Lecture Hours. 1 Lab Hour.**

A course based on NFPA standards 1006 and 1670 for Swift Water Rescue operations to rescue victims from a hazardous water environment. Topics include: using rescue lines, tactics of rescue swimming operations, water-rope operations, and rescue boat operations.  
Prerequisites: None

### **TBE 104 Permit-Required Confined Space Entry and Rescue** **2 Credits. 2 Lecture Hours. 1 Lab Hour.**

A course on entry and rescue operations pertaining to permit-required confined spaces. Topics include: confined space entry techniques, air monitoring, rescue equipment, and rescue techniques.  
Prerequisites: None

### **TBE 105 Search and Rescue Operations** **1 Credit. 1 Lecture Hour. 1 Lab Hour.**

A course based on NFPA Standards 1006 and 1670 for Search and Rescue Operations to search for lost individuals in a rural or wilderness environment. Topics include: search operations tactics, map reading, land navigation, use of GPS, helicopter search operations, and search dogs.  
Prerequisites: None

### **TBE 106 Trench Rescue Operations** **2 Credits. 2 Lecture Hours. 1 Lab Hour.**

A course on trench rescue operations as outlined in the 1006 & 1670 NFPA standards. Topics include: soil typing, trench safety, trench shoring, rescue equipment, air monitoring, victim packaging and extrication and rescue strategy techniques.  
Prerequisites: None

### **TBE 107 Structure Collapse Rescue** **2 Credits. 2 Lecture Hours. 1 Lab Hour.**

A course on FEMA and NFPA structural collapse rescue standard. Topics include: building design, civil engineering principles, structural shoring, structural concrete, and rescue techniques.  
Prerequisites: None

### **TBE 108 Vehicle Extrication Operations** **1 Credit. 1 Lecture Hour. 1 Lab Hour.**

A course, based on NFPA Stanrads 1006 & 1670, on vehicle design and entrapped victim rescue techniques. Topics include: truck, car and bus design; pneumatic and hydraulic equipment; structural shoring; and victim stabilization and extraction.  
Prerequisites: None

### **TBE 109 Machinery Rescue Operations** **1 Credit. 1 Lecture Hour. 1 Lab Hour.**

A course based on NFPA Standards 1006 & 1670. Machinery rescue techniques involving victims trapped in machinery. Topics include: design and operations, crushed and amputations, victim extractions, pneumatic and hydraulic tools, and use of pneumatics and hydraulic rescue equipment.  
Prerequisites: None

### **TBE 198 Special Topics in Rescue and Safety** **0.5-7 Credits. 0 Lecture Hour. 0 Lab Hour.**

A course on selected topics related to Rescue and Safety that gives students opportunities to study information not currently covered in other courses. Grades issued are A, B, C, D, or F.  
Prerequisites: Vary by section

### **TBE 199 Special Projects in Rescue and Safety** **0.5-7 Credits. 0 Lecture Hour. 0 Lab Hour.**

A course on selected topics related to Rescue and Safety that gives students opportunities to study information not currently covered in other courses. Grades issued are Satisfactory or Unsatisfactory.  
Prerequisites: Vary by section

### **TBE 298 Year 2 Special Topics in Technical Rescue & Incident Command** **1-4 Credits. 0 Lecture Hour. 0 Lab Hour.**

An advanced course on selected topics related to Technical Rescue & Incident Command that gives students opportunities to study information not currently covered in other courses.  
Prerequisites: None  
Instructor Consent Required