# TBE - Technical Rescue

## 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 responsibilties 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 entraped 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