

FIRE PROTECTION TECH (FIRT)

FIRT 1303 Fire and Arson Investigation I 3 Credits (3 Lec, 1 Lab)

This is an in-depth study of basic fire and arson investigation practices, with an emphasis on fire behavior principles related to fire cause and origin determination. This includes 48 lecture hours and 16 hours of skills development.

Course Type: Technical

FIRT 1309 Fire Administration I 3 Credits (3 Lec, 0 Lab)

This is an introduction to the organization and management of a fire department and the relationship of government agencies to the fire service, with an emphasis on fire service leadership from the perspective of the company officer. It includes 48 lecture hours.

Course Type: Technical

FIRT 1315 Hazardous Materials I 3 Credits (3 Lec, 1 Lab)

This is a study of the chemical characteristics and behavior of various materials. Topics include storage, transportation, handling hazardous emergency situations, and the most effective methods of hazard mitigation. It is the equivalent to Hazardous Materials Operations Level Training, and includes 48 lecture hours, and 16 hours of skills development.

Course Type: Technical

FIRT 1319 Firefighter Health and Safety 3 Credits (3 Lec, 0 Lab)

This is a study of firefighter occupational safety and health in emergency and non-emergency situations. This course meets Fire and Emergency Services Higher Education (FESHE) Model Curriculum core requirements. It includes 48 lecture hours.

Course Type: Technical

FIRT 1327 Building Construction for the Fire Service 3 Credits (3 Lec, 0 Lab)

This course covers the exploration of building construction and design related to fire spread suppression in various structures, and examination of potential hazards resulting from construction practices and materials. The student will identify types of building construction; recognize hazards associated with construction practices; identify fire resistive levels of building materials; and recognize signs of potential structural collapse. It includes 48 lecture hours.

Course Type: Technical

FIRT 1338 Fire Protection Systems 3 Credits (3 Lec, 0 Lab)

This course is a study of design and operation of fire detection and alarm systems, heat and smoke control systems, special protection and sprinkler systems, water supply for fire protection, and portable fire extinguishers. This course meets Fire and Emergency Services Higher Education (FESHE) Model Curriculum core requirements. Includes 48 lecture hours.

Course Type: Technical

FIRT 1342 Fire Officer I 3 Credits (3 Lec, 1 Lab)

Meets the curriculum requirements of the Texas Commission on Fire Protection (TCFP) for Fire Officer I certification. ****THIS COURSE MAY BE OFFERED ONLY BY INSTITUTIONS CERTIFIED AS A TRAINING FACILITY BY THE TEXAS COMMISSION ON FIRE PROTECTION****

Course Type: Technical

FIRT 1343 Fire Officer II 3 Credits (3 Lec, 1 Lab)

Meets the curriculum requirements of the Texas Commission on Fire Protection (TCFP) for Fire Officer II certification. ****THIS COURSE MAY BE OFFERED ONLY BY INSTITUTIONS CERTIFIED AS A TRAINING FACILITY BY THE TEXAS COMMISSION ON FIRE PROTECTION****

Course Type: Technical

FIRT 1345 Hazardous Materials II 3 Credits (3 Lec, 1 Lab)

This is an in-depth study of mitigation practices and techniques to effectively control hazardous materials spills and leaks. It is the equivalent to Hazardous Materials Technician Level Training, and includes 48 lecture hours, and 16 hours of skills development.

Course Type: Technical

FIRT 1349 Fire Administration II 3 Credits (3 Lec, 0 Lab)

This is an in-depth study of fire service management as pertaining to budgetary requirements, administration, organization of divisions within the fire service, and relationships between the fire service and outside agencies. It includes 48 lecture hours.

Prerequisite(s): FIRT 1309

Course Type: Technical

FIRT 1370 Technical Rope Rescue I 3 Credits (2 Lec, 3 Lab)

This is an in-depth study of Technical Rope Rescue including extensive skills development. Upon successful completion of this course students should be able to identify, describe, and demonstrate rope rescue and confined space rescue procedures at the Technical Rescuer-Level I level. The content of this course meets and/or exceeds the job performance requirements specified in National Fire Protection Association 1006-Standard for Technical Rescuer Professional Qualifications, 2008 Edition including the specialty areas of rope rescue and confined space rescue. This course may be repeated in order to maintain student skill proficiency.

Course Type: Technical

FIRT 1408 Fire Inspector I 4 Credits (3 Lec, 3 Lab)

This course is one in a series of three courses required for Fire Inspector certification. Meets the curriculum requirements of the Texas Commission on Fire Protection (TCFP) for Fire Inspector I. ****THIS COURSE MAY BE OFFERED ONLY BY INSTITUTIONS CERTIFIED AS A TRAINING FACILITY BY THE TEXAS COMMISSION ON FIRE PROTECTION****

Course Type: Technical

FIRT 1440 Fire Inspector II 4 Credits (3 Lec, 3 Lab)

This course is one in a series of three courses required for Fire Inspector certification. Meets the curriculum requirements of the Texas Commission on Fire Protection (TCFP) for Fire Inspector II and Plan Examiner I. ****THIS COURSE MAY BE OFFERED ONLY BY INSTITUTIONS CERTIFIED AS A TRAINING FACILITY BY THE TEXAS COMMISSION ON FIRE PROTECTION****

Course Type: Technical

FIRT 2112 Hazardous Materials Incident Commander 1 Credit (1 Lec, 1 Lab)

This course meets the curriculum requirements of the Texas Commission on Fire Protection (TCFP) for Hazardous Materials Incident Commander certification. ****THIS COURSE MAY BE OFFERED ONLY BY AN INSTITUTION CERTIFIED AS TRAINING FACILITY BY THE TEXAS COMMISSION ON FIRE PROTECTION.****

Course Type: Technical

FIRT 2305 Fire Instructor I 3 Credits (3 Lec, 0 Lab)

This course prepares fire and emergency services personnel to deliver instruction from a prepared lesson plan, including the use of instructional aids and evaluation instruments to meet the Texas Commission on Fire Protection requirements for Fire Instructor I certification. It includes 48 lecture hours

Course Type: Technical

FIRT 2309 Firefighting Strategies and Tactics I 3 Credits (3 Lec, 0 Lab)

This course covers analysis of the nature of fire problems and selection of initial strategies and tactics including an in-depth study of efficient and effective use of manpower and equipment to mitigate the emergency. It includes 48 lecture hours

Course Type: Technical

FIRT 2331 Firefighting Strategies and Tactics II 3 Credits (3 Lec, 0 Lab)

This is a continuation of Firefighting Strategies and Tactics I with an emphasis on use of incident command in large-scale command problems and other specialized fire problems. It includes 48 lecture hours.

Prerequisite(s): FIRT 1311

Course Type: Technical

FIRT 2333 Fire and Arson Investigation II 3 Credits (3 Lec, 1 Lab)

This is a continuation of Fire and Arson Investigation I. Topics include reports, courtroom demeanor, and expert witnesses. Forty-eight lecture hours. Sixteen hours of skills development.

Course Type: Technical

FIRT 2345 Hazardous Materials III 3 Credits (3 Lec, 1 Lab)

This is a continuation of Hazardous Materials II. Topics include radioactive materials and radiation; poisons and toxicology; cryogenics; oxidizers; corrosives; flammable solids; hazards of Class A fuels, plastics and organic and inorganic peroxides and water reactivity, and polymerization and polymerizing substances. It includes 48 lecture hours and 16 hours of skills development.

Course Type: Technical

FIRT 2351 Company Fire Officer 3 Credits (3 Lec, 0 Lab)

This is a capstone course covering fire ground operations and supervisory practices. It includes performance evaluation of incident commander, safety officer, public information officer, and shift supervisor duties and 48 lecture hours.

Course Type: Technical

FIRT 2356 Fire Officer III 3 Credits (3 Lec, 1 Lab)

This course meets the curriculum requirements of the Texas Commission on Fire Protection (TCFP) for Fire Officer III certification. ****THIS COURSE MAY BE OFFERED ONLY BY INSTITUTIONS CERTIFIED AS A TRAINING FACILITY BY THE TEXAS COMMISSION ON FIRE PROTECTION.****

Course Type: Technical

FIRT 2357 Fire Officer IV 3 Credits (3 Lec, 1 Lab)

This course meets the curriculum requirements of the Texas Commission on Fire Protection (TCFP) for Fire Officer IV certification. ****THIS COURSE MAY BE OFFERED ONLY BY INSTITUTIONS CERTIFIED AS A TRAINING FACILITY BY THE TEXAS COMMISSION ON FIRE PROTECTION.****

Course Type: Technical

FIRT 2359 Fire Instructor III 3 Credits (3 Lec, 1 Lab)

This course meets the curriculum requirements of the Texas Commission on Fire Protection (TCFP) for Fire Instructor III certification. ****THIS COURSE MAY BE OFFERED ONLY BY INSTITUTIONS CERTIFIED AS A TRAINING FACILITY BY THE TEXAS COMMISSION ON FIRE PROTECTION****

Course Type: Technical

FIRT 2370 Technical Rope Rescue II 3 Credits (2 Lec, 3 Lab)

This is an in-depth study of Technical Rope Rescue including extensive skills development. Upon successful completion of this course, students should be able to identify, describe, and demonstrate rope rescue and confined space rescue procedures at the Technical Rescuer-Level I level. The content of this course meets and/or exceeds the job performance requirements specified in National Fire Protection Association 1006-Standard for Technical Rescuer Professional Qualifications, 2008 Edition including the specialty areas of rope rescue and confined space rescue.

This course may be repeated in order to maintain student skill proficiency.

Prerequisite(s): FIRT 1370

Course Type: Technical