

FIRE PROTECTION TECHNOLOGY (FIRT)

FIRT-1301. Fundamentals of Fire Protection. (3 Credits)

(3-3-0) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Orientation to the fire service, career opportunities, and related fields. This course meets Fire and Emergency Services Higher Education (FESHE) Model Curriculum core requirements.

FIRT-1303. Fire and Arson Investigation I. (3 Credits)

(3-3-1) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Basic fire and arson investigation practices. Emphasis on fire behavior principles related to fire cause and origin determination.

FIRT-1305. Public Education Programs. (3 Credits)

(3-3-1) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Preparation of firefighters and fire officers to develop public fire safety awareness. Emphasis on implementation of fire and public safety programs in an effort to reduce the loss of life.

FIRT-1307. Fire Prevention Codes and Inspections. (3 Credits)

(3-3-0) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Local building and fire prevention codes. Fire prevention inspections, practices, and procedures. This course meets Fire and Emergency Services Higher Education (FESHE) Model Curriculum core requirements.

FIRT-1309. Fire Administration I. (3 Credits)

(3-3-0) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Introduction to the organization and management of a fire department and the relationship of government agencies to the fire service. Emphasis on fire service leadership from the perspective of the company officer.

FIRT-1311. Fire Service Hydraulics. (3 Credits)

(3-3-1) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Application of hydraulic principles to analyze and solve water supply problems related to fire protection.

FIRT-1315. Hazardous Material I. (3 Credits)

(3-3-0) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. The chemical characteristics and behavior of various materials. Storage, transportation, handling hazardous emergency situations, and the most effective methods of hazard mitigation.

FIRT-1319. Firefighter Health and Safety. (3 Credits)

(3-3-1) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. 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.

FIRT-1327. Building Construction in the Fire Service. (3 Credits)

(3-3-1) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Components of building construction that relate to life safety. Includes relationship of construction elements and building design impacting fire spread in structures.

FIRT-1338. Fire Protection Systems. (3 Credits)

(3-3-0) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. 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.

FIRT-1349. Fire Administration II. (3 Credits)

(3-3-0) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. 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.

FIRT-1353. Legal Aspects of Fire Protection. (3 Credits)

(3-3-1) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Study of the rights, duties, liability concerns, and responsibilities of public fire protection agencies and personnel.

FIRT-2309. Firefighting Strategies and Tactics I. (3 Credits)

(3-3-0) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. 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 staffing and equipment to mitigate the emergency.

FIRT-2331. Firefighting Strategies and Tactics II. (3 Credits)

(3-3-0) This course is taken for academic credit. (Prerequisite: FIRT 2309) Students will earn an A, B, C, D, F, or W. Emphasis on the use of incident management in large scale command problems and other specialized fire problems.