

First Year

Semester 1

18 Units

COURSE	UNITS	PRE-REQS^	SEMESTERS OFFERED*
FT 300 Fire Protection Organization	3		F, S
FT 301 Fire Prevention Technology	3		F, S
FT 302 Fire Protection Equipment and Systems	3		F, S
FT 303 Building Construction for Fire Protection	3		F, S
FT 304 Fire Behavior and Combustion	3		F, S
FT 305 Firefighter Safety and Survival	3		F, S

Program Notes:

Upon completion of this program, the student will be able to:

- comprehend the qualifications for entry level skills, the discipline and evaluation process, fire service structure, history, and culture for the field of fire technology. Analyze, appraise, and evaluate fire incidents and components of emergency management and firefighter safety.
- comprehend laws, regulations, codes, standards and the regulatory and advisory organizations that influence fire department operations.
- analyze and determine the causes of fire, extinguishing agents, stages of fire, fire development, and methods of heat transfer. Synthesize and determine the appropriate use and flow requirement of hydraulic fire apparatus.
- describe the appropriate uses and maintenance for apparatus and equipment used in the fire service.
- assess the common types of building construction and conditions associated with structural collapse and firefighter safety.
- evaluate fire detection and fire suppression systems.

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Zero Textbook Costs (ZTC):

The Zero Textbook Costs designation and logo are added to any course that provides free access to all required instructional materials. These are typically shared with students through Canvas. Courses that are designated as ZTC may still require students to purchase supplemental materials such as lab coats, a calculator, art supplies, etc. See full definitions and searching tips on the [Zero Textbook Costs page](#) of the college website.