FIRE PROTECTION TECHNOLOGY (2230)

2230:100. Introduction to Fire Protection. (4 Credits)
History and philosophy of fire protection; introduction to agencies involved; current legislative developments; discussion of current related problems, expanding future of fire protection and career orientation.

2230:102. Fire Safety in Building Design & Construction. (3 Credits)
Exploration of building construction and design with emphasis on fire protection concerns; review of related statutory and suggested guidelines local, state and national scope.

2230:104. Fire Investigation Methods. (4 Credits)
History of fire investigation; gathering of evidence and development of technical reports; fundamentals of arson investigation; processing of criminal evidence and procedures related to local and state statutes.

2230:202. Incident Management for Emergency Responders. (4 Credits)
Efficient and effective use of human resources, equipment and systems. Emphasis on preplanning, incident management, problem solving related to emergency preparation and response.

2230:204. Fire and Life Safety Education. (3 Credits)
Application and analysis necessary for the implementation of the Life Safety Code Handbook.

2230:205. Fire Detection & Suppression Systems. (3 Credits)
Design, installation, maintenance and utilization of portable fire extinguishing appliances and pre-engineered automatic systems; fire detection and alarm signaling systems operational capabilities, requirements.

2230:206. Fire Sprinkler System Design. (3 Credits)
Design, installation and operation of automatic fire suppression systems. Includes sprinkler, foam, carbon dioxide, dry chemical, halogenated agent systems.

2230:250. Hazardous Materials. (4 Credits)
Prerequisite: 2230:100. Study of chemical characteristics and reactions related to storage, transportation and handling of hazardous materials. Emphasis on emergency situations, firefighting and control.

2230:254. Fire Prevention. (3 Credits)
Prerequisite: 2230:100. Fire codes and standards relative to fire prevention, inspection, and code enforcement.

2230:257. Fire & Safety Issues for Business & Industry. (3 Credits)
Industrial fire and safety issues related to specialized hazards, federal and state regulations. Emphasis on emergency response team preparedness, confined space entry, and rescue.

2230:280. Fire Service Administration. (4 Credits)
Prerequisite: 2230:100. Fire officer professional qualifications; federal, state regulations governing department operations-OSHA, EPA; emergency and non-emergency operations procedures-ICS, IMS, Emergency Operations Center are presented.

2230:290. Special Topics: Fire Science Technology. (1-4 Credits)
(May be repeated for a total of four credits) Prerequisite: Permission. Selected topics or subject areas of interest in fire protection technology.

2230:294. Advanced Fire Investigation Methods. (3 Credits)
Prerequisites: 2230:100, 2230:104, 2230:205, and 2230:206. Designed to meet student and in service fire investigators need to understand new/updated technology and methodology in managing fire investigations.

2230:295. Field Experience I. (2 Credits)
Prerequisites: 30 credit hours of successfully completed course work in the Fire Protection Technology program which includes 2230:100, 2230:102, 2230:104, 2230:204, 2230:205, and 2230:280 and permission. Course designed to measure the knowledge, skills and abilities required to become a graduate of The University of Akron, Fire Protection Program.

2230:296. Field Experience II. (2 Credits)
Prerequisites: 30 credit hours of successfully completed course work in the Fire Protection Technology program which includes 2230:100, 2230:102, 2230:104, 2230:204, 2230:205, and 2230:280. If not currently an active fire fighter, you must take 2230:295 first. Course designed to measure the knowledge, skills and abilities required to become a front line supervisor, work in hazmat bureau or beginning arson investigator.

2230:297. Independent Study: Fire Protection. (1-3 Credits)
Prerequisite: 2230:100 and permission. Selected topics and special areas of study in fire protection technology under the supervision and evaluation of a selected faculty who assigns specific arrangements.