



TEXAS A&M UNIVERSITY
SAN ANTONIO

COLLEGE OF BUSINESS

Fire and Emergency Services Administration Program

FESA 3336

Advanced Principles of Fire & Emergency Services Safety and Survival

August 25 – December 12, 2025

B. MAJOR COURSE DESCRIPTION/REQUIREMENT:

This course will look at the basic principles and history related to the National Fire Fighter life safety initiatives, focusing on the need for cultural and behavior change throughout the emergency services. The course will also emphasize their importance at the supervisory and managerial levels.

C. LEARNING OUTCOMES:

1. Demonstrate methodologies for advocating and implementing cultural change in the fire service.
2. Compare and contrast how personal and organizational accountability can influence health and safety in the fire service.
3. Design a policy by which all firefighters can initiate termination of unsafe conditions or practices.
4. Initiate adoption of applicable national standards for training, qualifications, certifications and recertification's at the local level.
5. Initiate the adoption of national medical and physical fitness standards for all firefighters at the local level.
6. Develop a local action plan for utilization of available and emerging technologies to enhance firefighter safety and survival.
7. Formulate a process for investigation of all firefighter fatalities, injuries, and near-misses.
8. Initiate the utilization of lessons learned from firefighter investigations in trainings, procedures and policies.

D. LECTURE OR DISCUSSION TOPICS

This course will examine and explore the role of the firefighter, fire officer and fire manger in relation to firefighter safety, health and wellness and firefighter death and injury's. The course will identify trends within the individuals and the emergency services that will have to be addressed to effectively reduce firefighter death and injury's. Emphasis will be put on individuals and organizations working together to address their roles and responsibilities in relation to this subject.

E. REQUIRED OR RECOMMENDED READINGS:

Fire and Emergency Services Safety and Survival by Travis Ford, 2nd Ed; Brady Fire/ Pearson Education, Upper Saddle River, New Jersey, 2012, ISBN 13 978-0-13-432333-6