

NorthWest Arkansas Community College
Allied Health/Fire Science

FIRE 1003 Introduction to Fire Science

Catalog Description

This course will study the philosophy and history of fire science, the review and analysis of fire losses, the introduction to fire protection agencies, career possibilities, the use of protective clothing and equipment, the use and identification of basic fire fighting equipment, and current technological developments.

Credit Hours/Contact Hours/Load Hours

3/3/3

Required Methods of Instruction

Majority of instruction will utilize classroom lecture. Selected videos and Power Point Presentations will reinforce the curriculum.

Target Audience and Transfer

This course is designed for students desiring a career in the fire service or related areas. Students working towards a two-year degree in fire science, as well as those planning to transfer to a four-year college, will benefit from this course.

Essential Course Outcomes

Knowledge:

1. Acquire a broad-based introduction to the Fire Service, fire chemistry and behavior, and fire related safety and protection equipment.

Skills:

2. Demonstrate attainment of knowledge acquired through successful testing and evaluation.

Attitudes:

3. Develop an appreciation for the importance of fire and its uses in society, its dangers when uncontrolled, and the opportunities to pursue a career in the field of fire protection.

Required Text

Introduction to Fire Protection, 2nd Ed., Robert Klinoff, Delmar/Thompson Learning, Inc., 2003.

Topics

- A. Fire Technology Education and the Firefighter Selection Process
- B. Fire Protection Careers
- C. Public Fire Protection
- D. Chemistry and Physics of Fire
- E. Support Organizations
- F. Fire Department Resources
- G. Fire Department Administration
- H. Support Functions
- I. Training
- J. Fire Prevention/Codes and Ordinances
- K. Fire Protection Systems and Equipment
- L. Emergency Incident Management
- M. Emergency Operations

Resources

<u>Item</u>	<u>Description</u>	<u>Location</u>
Video Tapes	Various Videos that Reinforce Subjects	NWACC