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**Program Summary Sheet for Assessment**

**Associate of Applied Science Fire Science with Academy**

Degree:

AA

AS

AAS

ABS

ABA

Program Description:

This program is designed to impart the skills, knowledge, and understanding necessary to be successful in, and to increase the professionalization of the fire protection field.

This program develops technical competency and prepares the student for managerial and leadership positions in municipal, industrial, and business areas of fire protection, suppression, and prevention.

Program Outcomes and Objectives:

**Outcome 1.** Based on professional and industry standards the student successfully completing this program will be able to explain currently used fire suppression technology and its impact on the fire service mission.

**Outcome 2.** Based on industry and professional standards the successful student completing this program will be able to analyze a fire department budget.

**Outcome 3.** Based on industry and professional standards the successful student completing this program will be able to locate specific applicable standards and regulations, including those issued by the National Fire Protection Association's (NFPA) and the Occupational Safety and Health Administration's (OSHA) , as well as federal, state, and local laws as they apply to specific areas of the fire service.

**Outcome 4.** Based on industry and professional standards the successful student completing this program will be able to identify construction types and structural components used in the built environment.

**Outcome 5.** Based on industry and professional standards the successful student completing this program will be able to evaluate the impact of fire behavior, smoke and heat removal, and fire suppression techniques upon a specific construction type as it relates to fire resistance, safe occupant removal, fire fighter safety, and building collapse.

**Outcome 6.** Based on professional and industry standards the student successfully completing this program will be able to execute basic fire fighting tactics described in NFPA 1001 Firefighter I & II.

**Outcome 7.** Based on the criteria provided by the Department of Homeland Security the successful student completing this program will be able to explain the National Incident Management System and the role of the All Hazard Approach in emergency response planning.

Common Degree Outcomes:

- 1. The graduate can integrate the knowledge and technological skills necessary to be a successful learner.
- 2. The graduate can demonstrate how to think competently.
- 3. The graduate can demonstrate how to employ mathematical knowledge.
- 4. The graduate can demonstrate how to communicate competently.
- 5. The graduate is sensitive to issues relating to a diverse, global society.

Department Contacts:

Program Advisor(s):

Associate Dean:

Dean: Charlene McPeak

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