

# Fire Science Technology

**Instructor:** Thomas Silva

**Location:** Calvin Hall Center 229 and the PE Complex – morning session

**Career Cluster:** Law, Public Safety, Corrections, and Security

## **Program Overview:**

This program of study will provide information that is essential for a non-operations individual interested in wild land and structural fire managements. Students will be provided with information on personal preparedness and responsibility, mobilization, incident command procedures, proper clothing, and fire suppression equipment. The program is designed to train firefighters in the basic fire behavior factors that will aid them in the safe and effective control of fires and emergency incidents. The Fire Science Technology Program will help students develop a foundation upon which to enable entry-level personnel to function appropriately in the performance of incident-related duties. Students will be actively engaged in physical activities. This program employs a portion of the FESHE – Fire and Emergency Services in Higher Education – Curriculum, which is endorsed by the National Fire Academy.

## **Academic Readiness:**

- The student must possess the ability to complete basic mathematical computations, which includes fractions, ratios, and proportions.
- It is desired that the student be able to read at the 10<sup>th</sup> grade level.
- Students will be required to make a 15- to 30-minute presentation in classroom sessions; this is considered a capstone project.

## **Considerations:**

- Enrolling students are making a commitment for two semesters. Openings may exist for the spring semester.
- The student must be willing to participate in weekly fitness training and engage in active, physical tasks on a daily basis.
- Students will be eligible to earn industry-recognized credentials from FEMA - ICS 100, 200, 700 and 800 – which will increase their employability levels and are pre-requisites for the UNM Emergency Medical Services program of study. Student successfully passing the FESHE courses are eligible for certification through the National Fire Academy.

## **Anticipated Course Offerings:**

- Fall semester
  - CRJS 293 – T: Fireline Fitness
  - FISC 101 - Principles of Emergency Services
  - FISC 102 - Fire Prevention
- Spring semester
  - BSTC 293 – T: Health & Safety of Firefighters
  - FISC 105 - Fire & Emergency Services Safety & Survival
  - BSTC 293 – T: Introduction to Structural Firefighting