

## Program Learning Outcomes Fire Science

WDT Core Ability	Program Learning Outcomes
Life Skills	Students will be able to:  Explain the principals of physical and psychological wellness and how they affect one's home and work environment.  Demonstrate the principles and values of duty, respect and integrity.
Analytic Techniques	<ul> <li>Students will be able to:         <ul> <li>Demonstrate the principles of Situational Awareness by gathering and processing information through communication and observation, and evaluate developing perceptions and change.</li> <li>Demonstrate critical thinking through the analysis and evaluation of the various fire behavior components in the structure and wildland fire environment.</li> <li>Identify effective problem solving techniques required for Firefighter I and II certification.</li> </ul> </li> </ul>
Communication Skills	Students will be able to:  Apply effective oral communication in a variety of settings including emergency and non-emergency situations.  Apply appropriate writing skills for a variety of purposes, to include developing fire reports and preparing pre-incident or
Technology Skills	structure protection plans.  Students will be able to:  • Use appropriate technology in order to collect data and prepare visual displays in order to compile and disseminate information.
Teamwork Techniques	<ul> <li>Students will be able to:         <ul> <li>Model the principles of teamwork as it relates to management, respect, relating to others, and unity of effort.</li> <li>Describe the functions of the National Incident Management System for All Hazard Incidents.</li> </ul> </li> </ul>
Social Values	Students will be able to:  Demonstrate an understanding of one's duty and the integrity required in order to interact in a professional and compassionate manner with people of diverse backgrounds, cultures and economic status.
Employability	<ul> <li>Students will be able to:         <ul> <li>Exhibit the skills and competencies of Firefighter I, Firefighter II, and EMT certifications to gain employment in the Fire Service field.</li> </ul> </li> </ul>