

# Essential Skills Fire Science

#### (Fire Science Technology/Public Safety Leadership/Fire Officer Leadership/Wildland)

The essential skill sheets are lists of the most commonly encountered qualities and skills typically necessary to be successful in a particular program or area of interest. The information contained in an essential skills sheet is not all-inclusive and is intended to be used as a guide only. Individual programs may have specific requirements or technical standards that must be met.

### Physical

See objects 20 inches to more than 20 feet away Distinguish colors and changes in its variation Feel differences in surface characteristics Detect odors (faint, strong, noxious) Maintain balance (sit, stand, squat) Pinch, grasp, squeeze, and manipulate objects Push, pull, lift, and/or support up to 125 pounds Maintain safety of self and others Maintain physical endurance Sustain repetitive movements Move within confined spaces Stand/walk for long periods of time Reach above shoulders Reach below waist Stand/walk for long periods of time Push, pull, lift and/or support a minimum of 25 pounds Push, pull, lift, and/or support up to 125 pounds

Write with pen/pencil Key/Type Twist Bend Climb Move quickly Use peripheral vision Feel vibrations

### Cognitive

Provide emotional support to others Cope with unexpected situations and emotions Perform multiple responsibilities concurrently Apply knowledge from one situation to another Accurately recall information Combine knowledge and skills Negotiate interpersonal conflict Focus attention on task Adaptability Process information Evaluate outcomes Problem solve Evaluate the complexity of jobs Organize tasks to meet deadlines (hourly, daily, long-term) Sequence outcomes Focus attention on task Tell time Take measurements using specialized equipment

Count whole numbers Measure weight or mass Measure temperature Measure liquid volume Measure time



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### Communication

Read, write, speak, and comprehend English effectively Verbalize clear and appropriate information to others Influence others Direct activities of others Explain procedures Communicate in a professional/tactful manner Communicate using a telephone Communicate using a two-way radio Communicate in a professional/tactful manner Record written information

#### **Behavioral**

Exhibit honesty and fairness Establish rapport with others Promote physical and emotional well-being of others Exhibit patience Maintain professional boundaries Maintain professional appearance Respect social, cultural, and spiritual diversity Exhibit compassion Work carefully while maintaining efficiency and organization Respect individual values/opinions without showing bias or preference



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### Other

Cleared background investigation/drug screen (see program for specifics) May be on call or work nights, weekends, and holidays No felony or domestic violence convictions See program or desired area of employment for specifics - Certifications/Licenses See program or desired area of employment for specifics - Immunizations

See program or desired area of employment for specifics - Prerequisites