

FS COURSE STUDENT LEARNING OUTCOMES

Students will be able to analyze real - world fire events to determine communication successes and failures in public outreach.

Students will be able to collaborate with partner organizations to develop outreach materials that support defensible space and home hardening.

FS 107 - Fire Service Communication Skills

Students will be able to develop skills for clear, concise, and professional communication within various fire service contexts.

Students will be able to apply proper radio communication protocols using ICS and NIMS technology.

Students will be able to produce accurate and professional reports, logs, and written records essential to emergency and administrative functions.

Students will be able to recognize and overcome barriers to effective communication in high-stress, diverse, and dynamic environments.

FS 150 - Physical Fitness and Nutrition for Fire Service

Students will be able to identify and describe the physical and mental performance requirements of Wildland firefighters, including the relationship between physical readiness and operational safety.

Students will be able to explain and demonstrate the five components of physical fitness, cardiovascular endurance, muscular strength, muscular endurance, flexibility, and body composition, as they apply to Wildland firefighting duties.

Students will be able to evaluate personal fitness levels using established NWCG and NFPA benchmarks, and develop an individualized fitness improvement plan that enhances field performance and reduces injury risk.

Students will be able to describe proper nutrition and hydration principles that support sustained energy, performance, and recovery during extended wildland fire operations.

Students will be able to apply knowledge of exercise physiology to create safe, effective, and sustainable fitness routines that meet the physical demands of fire suppression and incident support.

FS 198 - Special Topics in Fire Science

Students will be able to demonstrate the ability to do the skills and understand the knowledge that is presented in fire related topics.

Students will be able to exhibit knowledge of the specific substantive area of the fire related topic being offered by the course curriculum.

FS 265 - Public Education

Students will be able to explain the purpose and value of public education in community fire prevention and WUI risk reduction.

Students will be able to identify and apply the principles of community risk reduction (CRR) and public information planning.

Students will be able to design and present a community education program tailored to a specific Wildland fire risk area.