

Fire Science

What can I do with this major?

AREAS	EMPLOYERS	STRATEGIES
<u>Firefighting/Emergency Management</u> Disaster Preparedness Fire Science Environmental Conservation Wildfire Management Firefighting Ranger Services City Management Public Safety	Federal Government: Forest Services National Park Services Environmental Protection Agency State and Local Government: Public Parks Local Fire Department Police Department Airports Military	Maintain knowledge of current environmental issues including policy, conservation, and industry trends.. Learn the basics of fire extinguishment, rescue procedures, and fire behavior. Develop a keen eye for fire safety hazards and understand the basics fire suppression equipment and fire hazards. Acquire specialized training in fire science, which can help you understand explosive materials, building plans, and arson criminal cases. Work on developing leadership and organizational skills focused on crisis management and large-scale emergency response. Education opportunities include certificates, associate's degree, bachelor's degree, or master's degree. To best prepare for this career, try to acquire an internship position with your local fire department.
<u>Fire Inspection and Prevention</u> Life and Property Protection Forest Fire Prevention Fire Safety Equipment Inspection Outdoor Fire Hazards Fire Safety Regulation and Prevention Installation Maintenance Codes	Fire Departments State and Federal Agencies Insurance Firms Damage Assessment Companies Property Law Firms	Conduct informational interviews with local and state employers to learn specific requirements for inspection and prevention positions. Apply for a fire training academy, which typically take 12-14 weeks to complete. Become a volunteer firefighter and learn the basics of firefighting tactics, necessary equipment, alarm systems, and more.

AREAS	EMPLOYERS	STRATEGIES
Compliance Inspection Legal Action Hazardous Materials Handling Structure Audits		Apply for fire science programs that have a specialization in fire inspection. Look for fire inspection training programs offered through The National Fire Protection Association (NFPA). Research fire safety regulations and state and federal building codes. Learn more about certifications levels and requirements through the National Fire Protection Association (NFPA).

Fire Investigation/Insurance

Risk Assessment Forensic Documentation Arson Crime Scene Investigation Psychology Actuary Science Consulting Property Loss Claims	Fire Department Local, State, and Federal Agencies Insurance Companies Private Corporations Law Enforcement Agencies	Research fire science programs that specialize in fire investigation and arson. Connect with the International Association of Arson Fire Investigators (IAAI). Become a volunteer firefighter and learn the basics of firefighting tactics, necessary equipment, alarm systems, and more. Apply for a fire training academy, which typically take 12-14 weeks to complete. Apply to be a volunteer firefighter to gain experience and receive strong references. Earn a credential from The National Association of Fire Investigators (NAFI) Review and apply for arson and fire investigator certifications offered through International Association of Arson Investigations (IAAI).
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GENERAL INFORMATION

- State and local research is necessary, as firefighter requirements vary by state
- In this competitive field, having a fire science degree can help you stand out among other candidates when applying.
- Many employers require previous experience in firefighting even with a fire science degree.
- Research the field to know learn educational requirements that include certificates and associates, bachelor's, and master's fire science degrees.
- Many fire chiefs or emergency services directors now need a master's degree in Fire Science or Fire Management.
- Research accreditation before enrolling in any fire science degree program.