

What to do with a degree in...

FIRE PROTECTION AND SAFETY ENGINEERING

A degree in Engineering, Architecture or Technology provides the knowledge and tools for problem solving. Be aware that the actual work that engineers perform will vary depending on the company and industry in which they work. Some engineers work

in a research or development capacity, while others serve in management roles. The work environment also varies, including outdoor work, work in an office setting, or a combination.

SKILLS

The FPSET program prepares graduates with understanding over loss control (Loss from Fire, Loss from Physical Accident, and Loss from Environmental Exposure), risk communication, evaluating and anticipating hazards, risk analysis, and control and mitigation strategies.

Graduates will understand common industrial processes including continuous process industries, assembly manufacturing, and agricultural/food processing. This includes the oil and gas industry processes, and agricultural operations with significant fire and/or health risks.

CAREER PATHS

DESIGN TECHNICIAN
DIRECTIONAL DRILLER
EMERGENCY RESPONSE ANALYST
ENGINEERING CONSULTANT
FIRE PROTECTION AND SAFETY ENGINEER
FIRE PREVENTION OFFICER
FIRE PROTECTION SALES
FIRE SPRINKLER DESIGNER
FIELD SAFETY COORDINATOR
H&E AUDITOR
HES PROFESSIONAL

HEALTH AND SAFETY COORDINATOR
HSE SPECIALIST
LOSS PREVENTION ANALYST
PROJECT ENGINEER
PROJECT MANAGER
RISK ENGINEER
SAFETY ENGINEER
SAFETY POSITION
SAFETY SUPERVISOR

WHO HIRES FIRE PROTECTION AND SAFETY ENGINEERING MAJORS

Ahern Fire Protection
CH2M Hill Plateau Remediation Company
Cheme Contracting Corporation
Chevron Phillips Chemical Company
CNS Pantex
Exelon
Fire Protection and Risk Alliance
Firetrol

Jensen Hughes
Koch Fertilizer
Kuwait Oil Company
Liberty Mutual
Maxwell Pipeline
Southland Industries
Valero Energy
US Marine Corp



STARTING AVERAGE SALARIES

(DATA GATHERED FROM
OSU CEAT GRADUATES)

2022 - \$75,275

2023 - \$69,725

2024 - \$64,960

TIPS FOR SUCCESS IN FIRE PROTECTION AND SAFETY ENGINEERING

- After enrolling into and completing the Fire Protection and Safety Engineering Program, as well as taking the Fundamentals of Engineering Exam, gain experience in the field by getting a position or serving as a volunteer with a firefighting agency.
- Get your license to practice by taking the Professional Engineering Exam.
- Look for opportunities to advance in your career and join organizations that will enhance your career such as the Society of Fire Protection Engineers.

GET INVOLVED ON CAMPUS

American Society of Safety Professionals (ASSP)

Fire Protection Society

Society of Fire Protection Engineers (SFPE)

Additional Resources About Fire Protection and Safety Engineering Careers:

www.asee.org

www.fpst.okstate.edu

www.sfpe.org

MARKETABLE SKILLS OF FIRE PROTECTION AND SAFETY ENGINEERING GRADUATES

- Ability to conduct training on loss control topics
- Understand and adhere to ethical and professional responsibilities
- Know the impact of engineering technology solutions in a societal and global context
- Evaluate hazards
- Conduct risk analysis and management activities
- Formulate control and mitigation strategies
- Apply and interpret applicable codes and standards
- Understand incident investigations including legal responsibilities and record keeping
- Maintain program/system effectiveness



For More Information About
Fire Protection & Safety Eng. at OSU:

Prospective Student Services:
(405) 744-5279

Career Services:
(405) 744-3858

HireOSUGrads.com