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
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 Engineers (ASSE)
Fire Protection Society
Society of Fire Protection Engineers (SFPE)
Student Association of Fire Investigators

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

STARTING AVERAGE SALARIES
(DATA GATHERED FROM OSU CEAT GRADUATES)

2017 - $66,000
2018 - $72,650
2019 - $69,050