WHAT IS FPSET?
The Fire Protection and Safety Engineering Technology (FPSET) curriculum provides preparation for assessing and reducing the loss potential with respect to fire, safety, industrial hygiene, and hazardous material incidents.

WHY FPSET AT OSU?
The FPSET program began at Oklahoma State University in 1937. The demand for loss control specialists has resulted in the evolution of the program into one that places emphasis on fire protection, safety, and occupational/environmental health. The program prepares graduates for careers in loss control, which is segmented into three major areas: loss from fire, physical accidents, and environmental exposure.

HIGHLIGHTS
• Home to the nation’s first ABET accredited FPSET program, OSU is still one of only a few accredited baccalaureate degree programs of its type in the United States.
• Chairman of the President’s Committee of the Arts and Humanities recognized OSU FPSET program as a “national treasure whose work is of great national importance” with graduates who safeguard art, history and the public.
• FPSET graduates are widely sought after by varied industries looking to reduce fire and safety losses. Students have a variety of career choices and flexibility due to the diversity of training the program provides.
• President of the National Fire Protection Association declared in 2010 that OSU Fire Protection and Safety Engineering Technology is the “Standard of Quality in the Profession.”

CAREER INDUSTRIES & FOCUS AREAS

CAREER OPPORTUNITIES
• Fire Protection Engineer
• Safety Specialist Engineer
• Risk Engineer
• Sprinkler Design
• Safety Coordinator
• Environmental Health & Safety Specialist Building Inspector
• Code Enforcement and Plan Reviewer
• Fire Inspector
• Fire Marshall
• Environmental Health & Safety Engineer Hazardous Materials Specialist
• Industrial Hygienist
• Loss Control Specialist
# Bachelor of Science in Engineering Technology

## Typical Four-Year Curriculum

### First Year

**Fall Semester**
- **CHEM 1414**: General Chemistry I
- **FPST 1213**: Fire Safety Haz Recon
- **MATH 2123**: Tech Calc I
- **HIST 1103**: American History
- **ENGL 1113**: Fresh Comp I

**Spring Semester**
- **POL 1113**: American Government
- **FPST 1373**: Fire Supp & Det Sys
- **ENGR 1322**: Graphics Design
- **MATH 2133**: Tech Calc II
- **XXX XXXX**: “H” elective
- **XXX XXXX**: “A” or “N” elective

### Second Year

**Fall Semester**
- **FPST 2483**: Fluid Mechanics for Fire Protection
- **FPST 2023**: Occup Safety Techn
- **STAT 2013**: Statistics
- **PHYS 1114**: Physics I
- **XXX XXXX**: “S” elective

**Spring Semester**
- **FPST 2343**: Industrial Hygiene
- **FPST 2243**: Sprinkler Sys Design
- **MATH 3263**: Linear Alg & Diff Eq
- **ENSC 2113**: Statics (or GENT 2323)
- **XXX XXXX**: “H” Elective

### Third Year

**Fall Semester**
- **FPST 3213**: Human Factors
- **PHYS 1214**: Physics II
- **MET 3433**: Thermodynamics
- **ENGL 3323**: Technical Writing
- **FPST 3143**: Life Safety Analysis

**Spring Semester**
- **GENT 3323**: Strength of Materials
- **MGMT 3013**: Management
- **FPST 3013**: Safety Management
- **FPST 3373**: Fire Dynamics
- **XXX XXXX**: “S” Elective

### Fourth Year

**Fall Semester**
- **FPST 4143**: Ind Vent & Smoke Control
- **IEM 3503**: Eng Economic Analysis
- **FPST 4403**: HazMat Incident Mgmt
- **FPST 4983**: Fire Protection & Safety Projects I
- **XXX XXXX**: Specialty Elective
- **XXX XXXX**: Specialty Elective

**Spring Semester**
- **FPST 4683**: Ind Loss Prevention
- **FPST 4333**: Sys & Process Safety
- **FPST 4992**: Fire Protection & Safety Projects II
- **XXX XXXX**: Controlled Elective
- **XXX XXXX**: Controlled Elective

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Total Hours: 125


This course plan is for general guidance only. An official course plan will be provided upon enrollment.

**Contact** | ceat.recruitment@okstate.edu | (405)-744-5279