



COLLEGE OF
ENGINEERING, ARCHITECTURE
AND TECHNOLOGY

FPSET

FIRE PROTECTION & SAFETY ENGINEERING TECHNOLOGY



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



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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

POLS	1113	American Government
FPST	1373	Fire Supp & Det Sys
ENGR	1322	Graphics Design
MATH	2133	Tech Calc II
XXXX	XXXX	"H" elective
XXXX	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
XXXX	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)
XXXX	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
XXXX	XXXX	"S" Elective

FOURTH YEAR

Fall Semester

FPST	4143	Ind Vent & Smoke Control
IEM	3503	Eng Economic Analysis
FPST	4403	HazMat Incident Mgmt
FPST	4982	Fire Protection & Safety Projects I
XXXX	XXXX	Specialty Elective
XXXX	XXXX	Specialty Elective

Spring Semester

FPST	4683	Ind Loss Prevention
FPST	4333	Sys & Process Safety
FPST	4992	Fire Protection & Safety Projects II
XXXX	XXXX	Controlled Elective
XXXX	XXXX	Controlled Elective

TOTAL HOURS: 125

Accredited by the Engineering
Technology Accreditation
Commission of ABET,
<http://www.abet.org>.

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