Thousands of people are killed or injured and billions of dollars of property are lost to the ravages of fire each year in the United States. Additionally, billions of dollars are lost from corporate profits due to accidents, injuries, occupational health problems and hazardous materials incidents. Although commonplace, these losses need not be accepted as inevitable. The number of lives lost, injuries sustained, buildings destroyed, and monetary losses could be reduced or prevented. This is what Fire Protection and Safety Technology at Oklahoma State University is all about — reducing losses. In a single phrase, Fire Protection and Safety Technology emphasizes loss control.

The Fire Protection and Safety Technology program was established at Oklahoma State University in 1937.

The curriculum is designed to immediately introduce the student to studies in fire protection and safety engineering. Therefore, students are able to measure early in their academic program their interest in fire protection and safety engineering as a career. The curriculum is rigorous in the areas of mathematics and physical sciences. Two semesters of calculus are required as well as two semesters of chemistry. Courses addressing the practical application of physics are integrated throughout the program. Interested high school students should design their high school programs to prepare themselves for college level mathematics and science classes.

**STUDENT ACTIVITIES**

Students enrolled in the Fire Protection and Safety Technology program have opportunities to participate in a number of student organizations and activities. Student chapters of national organizations such as the American Society of Safety Engineers and the Society of Fire Protection Engineers are active on campus. Student membership with the National Fire Protection Association and the American Industrial Hygiene Association are also encouraged. Unique to Oklahoma State University, are the Fire Protection Society and the Student Association of Arson Investigators, which provide students with public service opportunities, opportunities for academic and professional development, and social interaction with other students in the fire protection and Safety Technology program.

**FIRE PROTECTION & SAFETY TECHNOLOGY GRADUATES**

The graduates of the Fire Protection and Safety Technology program at Oklahoma State University are constantly recruited by the major businesses and industries of the United States. Historically, nearly 100% of the graduating seniors find positions as fire protection and safety engineering specialists with many receiving several offers of employment. The general loss-control emphasis of the program continues to make FPST graduates widely sought after by industries hoping to reduce fire and safety losses.

**CAREER OPPORTUNITIES**

The Fire Protection and Safety Technology Program at Oklahoma State University is the only accredited baccalaureate degree program of its type in the United States. For this reason, the employer competition for OSU graduates has boosted salary levels to a point where they compare favorably with any career field. Graduates have also shown a tendency toward rapid advancement into managerial positions.

**FOR CAREER INFORMATION**

Oklahoma State University
Fire Protection and Safety Technology
499 Cordell South
Stillwater, OK 74078-8017
(405) 744-5721
www.fpst.okstate.edu
# TYPICAL FOUR-YEAR PLAN

## FRESHMAN YEAR

### Fall Semester
- **FPST** 1213 Fire & Safety Hazards Recognition
- **MATH** 1613 Trigonometry
- **CHEM** 1314 General Chemistry I
- **ENGL** 1111 Freshman Composition I
- **HIST** 1103 American History
- **16 CREDIT HOURS**

### Spring Semester
- **FPST** 1373 Fire Suppression & Detection Sys
- **MATH** 2123 Calculus for Technology Programs I
- **CHEM** 1515 General Chemistry II
- **ENGR** 1322 Engineering Design Graphics
- **ENGR** 1412 Engineering Computer Programming
- **15–17 CREDIT HOURS**

## SOPHOMORE YEAR

### Fall Semester
- **FPST** 2023 Occupational Safety Techniques
- **FPST** 2483 Fire Protection Hydraulics
- **PHYS** 1114 General Physics I
- **MATH** 2133 Calculus for Technology Programs II
- **POLS** 1113 American Government
- **16 CREDIT HOURS**

### Spring Semester
- **FPST** 2344 Industrial Hygiene
- **FPST** 2243 Sprinkler System Design
- **ENSC** 2113 Statics
- **STAT** 2013 Statistics
- **SPCH** 2713 Speech Communications
- **16 CREDIT HOURS**

## JUNIOR YEAR

### Fall Semester
- **FPST** 3373 Fire Dynamics
- **PHYS** 1214 General Physics II
- **FPST** 3143 Structure Design/Fire Safety
- **ENSC** 2213 Thermodynamics
- **(H)** xxx3 Humanities Elective
- **16 CREDIT HOURS**

### Spring Semester
- **(CE)** xxx3 Controlled Elective
- **(SE)** xxx3 Specialty Elective
- **FPST** 4403 Hazardous Materials Incident Mgmt
- **(CE)** xxx3 Controlled Elective
- **ENGL** 3323 Technical Report Writing
- **15 CREDIT HOURS**

## SENIOR YEAR

### Fall Semester
- **FPST** 4143 Industrial Vent & Smoke Control
- **(SE)** xxx3 Specialty Elective
- **MGMT** 3013 Management
- **FPST** 3013 Industrial Safety Organization
- **(H)** xxx3 Humanities Elective
- **15 CREDIT HOURS**

### Spring Semester
- **(CE)** xxx3 Controlled Elective
- **FPST** 4993 Advanced Fire/Safety Problems
- **FPST** 4684 Industrial Loss Prevention
- **FPST** 4333 System Safety Analysis
- **(S)** xxx3 Social Sciences Elective
- **16 CREDIT HOURS**

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### General Education Requirements

Students in Engineering, Architecture and Technology must complete at least six credit hours of courses designated as (H) and six credit hours of course work designated (S). The student must also satisfy the international dimension requirement either by taking a course designated (I) or by approved international experience and complete a diversity (D) course. If this course work is taken at Oklahoma State University, the course must have been designated as (H), (S) and/or (I) respectively at the time it was taken. If one or more of the courses were taken at another institution the course must transfer as equivalent to an Oklahoma State University course that was designated (H), (S) and/or (I) respectively at the time that the transfer course was taken. Engineering students should verify their course selections in these categories with advisors in the CEAT Office of Student Academic Services before enrollment.

*Note: FPST Department Advises All FPST Students to Enroll into: CMT 2203 Construction Drawings.

Principles of graphic communication are applied to reading and drawing construction plans, with emphasis to fire protection systems. This course is offered only online.

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### Transfer Credit Evaluation

Transfer credit evaluation in the Office of Undergraduate Admissions determines acceptable transfer credit on a course-by-course basis for college-level credit earned at institutions who are fully accredited by any of the six US regional associations. The evaluation is based on course content, as described in the catalogs of those institutions and in consultation with appropriate academic units at OSU. All transferred courses are recorded on the student’s academic record. No part of the previous collegiate record may be disregarded. Courses completed at institutions located outside of the US will be reviewed for transfer credit based on US regional accreditation standards or post-secondary recognition in the country for which the institution is located. It is highly recommended that the program requirements and course syllabi be submitted for all courses completed overseas.