



College of: Engineering, Architecture & Technology Degree/Major: B.S. - Fire Protection and Safety Technology  
 Option: n/a Academic Year: 2013-14

**Proposed\* Four-Year Degree Plan**

Year One					
Fall Semester			Spring Semester		
CHEM	1414	General Chemistry for Engineers	FPST	1373	Fire Suppression & Detection Systems
FPST	1213	Fire Safety Hazards Recognition	ENGR	1322	Engineering Design with CAD
MATH	1613	Trigonometry	ENGR	1412	Intro to Engineering Computer Programming
<sup>1</sup> ENGL	1113	English Composition I	MATH	2123	Calculus for Technology Programs I
HIST	1103	Survey of American History	POLS	1113	American Government
			<sup>2</sup> S/D/H/I		3 hours
Total: 16 credit hours			Total: 16 credit hours		

Year Two					
Fall Semester			Spring Semester		
FPST	2483	Fire Prot Hyd & Water Supply Analysis	FPST	2344	Elements of Industrial Hygiene
FPST	2023	Intro to Occupational Safety Techniques	FPST	2243	Design & Analysis of Sprinkler Systems
MATH	2133	Calculus for Technology Programs II	STAT	2013	Elementary Statistics
PHYS	1114	General Physics I	GENT	2323	Statics
<sup>2</sup> SPCH	2713	Intro to Speech Communication (S)	<sup>1</sup> ENGL	3323	Technical Writing
Total: 16 credit hours			Total: 16 credit hours		

Year Three					
Fall Semester			Spring Semester		
FPST	3373	Fire Dynamics	FPST	4403	Hazardous Materials Incident Management
FPST	3143	Structural Designs for Fire & Life Safety	CHEM	3013	The Chemistry of Organic Compounds
MGMT	3013	Fundamentals of Management	IEM	3503	Engineering Economic Analysis
GENT	3433	Basic Thermodynamics	PHYS	1214	General Physics II (3 hours)
<sup>2</sup> S/D/H/I		3 hours	<sup>2</sup> S/D/H/I		3 hours
Total: 15 credit hours			Total: 15 credit hours		

Year Four					
Fall Semester			Spring Semester		
FPST	4143	Industrial Ventilation & Smoke Control	FPST	4993	Advanced Fire and Safety Problems
FPST	3213	Human Factors in Accident Prevention	FPST	4684	Industrial Loss Prevention
FPST	3013	Safety Management	FPST	4333	System and Process Safety Analysis
SPEC ELECTIVE		See Degree Requirement Sheet, 3 hours	CONTR ELECT		See Degree Requirement Sheet, 3 hours
SPEC ELECTIVE		See Degree Requirement Sheet, 3 hours	CONTR ELECT		See Degree Requirement Sheet, 3 hours
Total: 15 credit hours			Total: 16 credit hours		

Note 1: If a 'B' or better is not earned in ENGL 1113 or 1313, ENGL 1213 or 1413 is also required (per Academic Regulation 3.5).

Note 2: 3 hours (S), 6 hours (H), meet (I) and (D) requirements in the selection of (S) and (H) coursework. Remaining 3 hours of (S), to meet General Education Requirements, are met with SPCH 2713.

See the 2013-14 Degree Requirement Sheet for variations to the courses listed above.

Total Hours = 125 hours

\*This plan is an example of how a student may successfully complete degree requirements in four years. Students are responsible for completing requirements in the official degree sheet for each major. It is mandatory for a student to meet with an academic advisor prior to course enrollment each semester.