

# FIRE PROTECTION AND SAFETY TECHNOLOGY

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## 128 Semester Hours

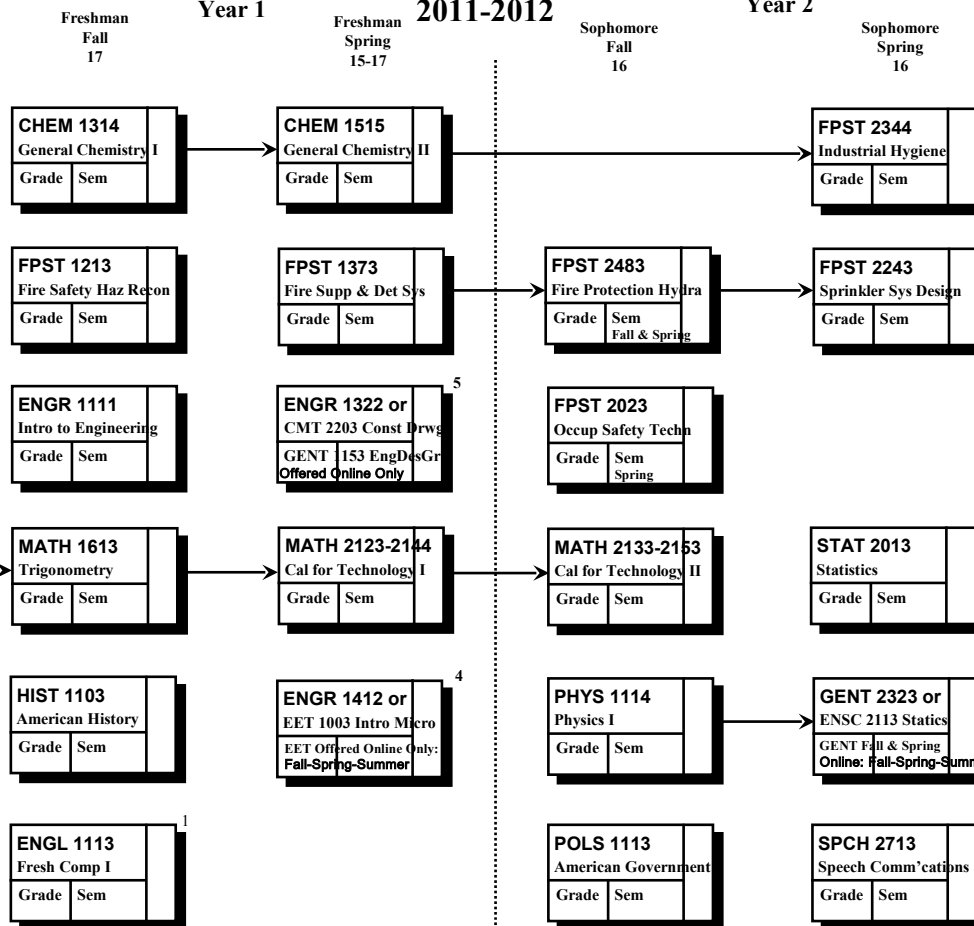
Oklahoma State University  
College of Engineering, Architecture & Technology

Name: \_\_\_\_\_

Advisor: \_\_\_\_\_

## Preparatory Courses

<b>MATH 1513</b>		
Coll Algebra		
Grade	Sem	



## College/Departmental Requirements Pre-Engineering.

In Fire Protection and Safety Technology (FPST), the lower-division course work is devoted to preparing the student for Professional school.

\* **Engineering 5hrs:** ENGR 1111; ENGR 13x2 or GENT 1153, ENGR 1412, CS 1103 or EET 1003.

\* **Engineering Science 6hrs:** ENSC 2113 or GENT 2323 Science ENSC 2213 or GENT 3433 or GENT 3323, EET 3104 or FPST 3383 or ENSC 2613.

\* **Specialty 28hrs:** FPST 3013, 3143, 3373 4133, 4333, 4403, 4684, 4993.

\* **Specialty Electives 6hrs.** Chosen from: CIVE 3813, CMT 4443, ECON 3903, ENGR 4123 ENSC courses not used elsewhere. FPST courses not used elsewhere. GENT 4433, IEM 3513. 5943, POLS 3733, 3813, 3893, 4363, 4403, POLS 5343, 5633, 5643.

\* **Communications 6hrs:** ENGL 3323, SPCH 2713, or 3703 or 3723.

\* **Controlled Electives 6hrs:** At Least 6 Upper-Division hours from: BCOM, CHEM, CS, Engineering, LSB, ENSC not used elsewhere. MATH (except MATH 3403 or 3603), MGMT, PHYS, STAT, Technology. SPCH 3733, ZOO 3204, 5323, or, if not used above: ECON 3903, POLS 3733, 3813, 3893, 4363, 5343, 5633, 5643.

### Other Requirements:

\* A minimum of 40 hours must be upper division.

\* A minimum 2.30 GPA is required in all courses with engineering and engineering technology prefixes.

\* **NOTE:** This flow chart is for planning purposes only. Students will be held responsible for degree requirements in effect at the time of matriculation (date at first enrollment) & any changes that are made, so long as these changes do not result in semester credit hours being added or do not delay graduation.

1. Students with less than a "B" in ENGL 1113 or 1313 must take ENGL 1213 or 1413; **and may not choose ENGL 3323 as a substitution for 1213..**

2. At least 6 hours designated (H) and at least 6 hours designated (S). Students must also meet the International Dimension "I" and Diversity "D" requirement. The total (H) and (S) program must satisfy ABET Accreditation criteria. Consult an advisor and the Departmental policy.

(H) = ARCH 2003 (spr only), MUSI 2573, ART 1603, PHIL 1013, 1213, (H-I) = ARCH 2003 (spr only), PHIL 3943, TH 2413, ENGL 2413

(S) = PSYC 1113, SOC 1113, ECON 2103, xxx3 (S-I) = GEOG 1113, 2253, (D) = POLS 3953, HIST 3673, 3683.

3. Achievement of an overall grade point average of 2.50 or higher in the required mathematics, physics, chemistry, engineering science and engineering technology courses completed prior to admission to professional school and final grades of "C" or better in each of these courses.

For these purposes, all GPAs are calculated using only the last grade in repeated courses.

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Oklahoma State University  
College of Engineering, Architecture & Technology

128 Semester Hours

2011-2012

Year 3

Year 4

College/Departmental Requirements  
Admission to the Professional School.

To be admitted to the professional school, the student must have:

- Completed a minimum of 60 credit hours in an accredited institution of higher learning.
- Demonstrated an acceptable level of competence in subject material comparable to that covered in Pre-engineering Technology, i.e., General Education and Common Pre-engineering Technology. Such demonstration may be by completion of course work or by examination, with not more than half the requirements satisfied by examination.
- Been formally accepted by the FPST professional school. An acceptable level of competence for admission to the professional school may be demonstrated by all of the following:

- Completion of the pre-professional school requirements as designated on the flow chart corresponding to the student's matriculation date, with an overall grade-point average of 2.30 or higher in these courses.
- Final grades of "C" or better in all courses submitted to meet the University's English composition requirement.
- Completion at OSU of at least 12 credit hours of courses required for the degree, with a grade-point average of 2.30 or higher in these courses. This must include at least nine hours of technical subjects with a GPA of 2.50 or higher.

## PREREQUISITES

CHEM 1225, PHYS 1114, FPST 2344

CHEM 1314, MATH 2123

ENGR 1322, FPST 1373, FPST 2483, FPST 2243, ENSC 2113

CHEM 1515, FPST 2023, FPST 2344

PHYS 1114

STATISTICS 2013/4013/4033, FPST 2344

MATH 2123

Junior  
Fall  
16

Junior  
Spring  
15

Senior  
Fall  
15

Senior  
Spring  
16

<b>FPST 3373</b>		
Fire Dynamics		
Grade	Sem	

<b>UPPER DIVISION</b>		
___ 3 Control Elective		
Grade	Sem	

<b>FPST 4143</b>		
Vent & Smoke Control		
Grade	Sem	Spring

<b>UPPER DIVISION</b>		
___ 3 Control Elective		
Grade	Sem	

<b>FPST 3143</b>		
Structure Design/F S		
Grade	Sem	Fall & Spring

<b>Specialty Elective</b>		
___ 3 Specialty Elective		
Grade	Sem	

<b>Specialty Elective</b>		
___ 3 Specialty Elective		
Grade	Sem	

<b>FPST 4993</b>		
Adv Fire/Safe Problem		
Grade	Sem	Fall - Spring - Summer

<b>PHYS 1214-2114</b>		
Physics II - ENSC 2613		
Grade	Sem	

<b>FPST 4403</b>		
HazMat Incident Mgmt		
Grade	Sem	

<b>MGMT 3013</b>		
Management		
Grade	Sem	Fall & Spring

<b>FPST 4684</b>		
Indust'l Loss Preventio		
Grade	Sem	Spring

<b>GENT 3433-3323</b>		
Thermodynamics or		
GENT 4433 Heat Transfer		
		Fall & Spring

<b>UPPER DIVISION</b>		
___ 3 Control Elective		
Grade	Sem	

<b>FPST 3013</b>		
Industrial Safety Org		
Grade	Sem	Spring

<b>FPST 4333</b>		
System Safety Analysis		
Grade	Sem	Spring

<b>"H" Elective</b>		
___ 3 Humanities		
Grade	"I" or "D"	

<b>ENGL 3323</b>		
Technical Report Wrtg		
Grade	Sem	

<b>"H" Elective</b>		
___ 3 Humanities		
Grade	Sem	

<b>"S" Elective</b>		
___ 3 Social Sciences		
Grade	Sem	

4. Courses available online.

5. CMT 2203 Construction Drawings: (**Available online only**) More applicable for FPST Students than GENT 1153. Principles of graphic communication are applied to reading and drawing construction plans. Techniques for measuring items of construction work from plans and specifications are also covered.

If the number of qualified professional school applicants to the FPST professional school exceeds the number that can be provided a quality program with the resources available, the number admitted each year to the professional school will be limited. In that event, priority for admission will be given to pre-engineering/engineering technology students on a best qualified basis as determined by the grade-point average in relevant courses taken and completed at OSU and professional potential. This practice preserves the high standards demanded of a quality educational experience sought by students and is necessary so that OSU graduates will continue to be highly regarded.

Students may enroll in no more than six hours of upper-division major requirements prior to admission to professional school unless they secure permission from the head of the school.