

**WPI**Student ID Number _____ **Plan of Study (MS or PhD)**Student Name: _____ PT/FT, MS, BS/MS, PhD
(last) (first) ☐ Online

Background Courses Required: _____

Advisors: Academic _____ Thesis _____

| CORE COURSES | | PLAN | ACTUAL | |
|------------------------------|---|---------------|--------|-------|
| Course No. | Course Title | Semester/Year | Credit | Grade |
| FP 521 | Fire Dynamics I | | | |
| FP 553 | Fire Protection Systems | | | |
| FP 570 | Building Firesafety I | | | |
| INTEGRATION COURSES | | | | |
| Course No. | Course Title | Semester/Year | Credit | Grade |
| FP 571 | Performance-Based Design (Formerly Bldg. Firesafety II) | | | |
| FP 573 | Industrial Fire Protection | | | |
| FPE ELECTIVES / THESIS | | | | |
| Course No. | Course Title | Semester/Year | Credit | Grade |
| FP 520 | Fire Modeling (Formerly Fire Dynamics II) | | | |
| FP 554 | Advanced Fire Suppression | | | |
| FP 555 | Detection, Alarm, & Smoke Control | | | |
| FP 572 | Failure Analysis | | | |
| FP 575 | Explosion Protection | | | |
| FP 580 | | | | |
| FP 580 | | | | |
| FP 580 | | | | |
| FP 580 | | | | |
| FP | Independent Study | | | |
| FP 590 | Thesis | | | |
| FP 590 | Thesis | | | |
| FP 690 | PhD Dissertation | | | |
| Internship | From _____ to _____ at _____ | | N/A | |
| OTHER APPROVED COURSES | | | | |
| Course No. | Course Title | Semester/Year | Credit | Grade |
| | | | | |
| | | | | |
| | | | | |
| TOTAL CREDITS and QPA at WPI | | | | |

Advisor _____ Date _____ Student _____ Date _____

j/generalforms

INSTRUCTIONS

1. After consultation with and approval by the advisor, each admitted student must file a formal Plan of Study with the Department within the first semester if full-time, and within the first year if part-time.
2. Refer to the graduate catalog for a complete discussion of degree requirements.
3. Your Plan of Study may be changed at any time with the approval of your advisor, assuming that all degree requirements are met. Changes require the advisor's initials alongside the change. It is the student's responsibility to be sure the Plan of Study and any subsequent changes are approved by the advisor, recorded on this form and submitted to the department.

FPE CURRICULUM OUTLINE – MASTER OF SCIENCE

| BASIC TOOLS (CORE) | INTEGRATION AND APPLICATION (CORE) | ADVANCED KNOWLEDGE AND AND SPECIAL INTEREST (ELECTIVES) |
|--|--|---|
| Fire Prot. Systems (553) Fire Dynamics I (521) Building Firesafety I (570) | Industrial Fire Prot. (573) | Advanced Fire Suppression (554) |
| | -or- | Fire Modeling (520) |
| | Perf.-based Design (571) | Explosion Protection (575) |
| | and | Failure Analysis (572) |
| | Thesis (590) (9 credits) | Business Practices (580B) |
| | -or- | Independent Study |
| | Courses Only | Fire Risk Assessment(580R) |
| | | Detection, Alarm & Smoke Control (555) |
| | | Complex Decision Making (580 D) |
| | | Forensic Techniques(580F) |
| | | People in Fires (580P) |
| | | Risk Management & Decision Making (580G) |
| | | Combustion (580 Q) |
| | | [Process Safety Mgt. (574)] |
| | | [Fire Science Laboratory (587)] |

NOTE: The MSFPE degree requires 30 semester hours of credit with thesis or courses only.
The M.S. thesis is nine credit hours. [Courses not currently offered]