

Fire Protection

On-Campus

Master of Engineering: 30 Credits or 10 Courses

Students taking courses on campus for the Master of Engineering Degree work with an advisor to identify a course of study based on the student's professional interests. Fire protection engineering courses are available to explore basic processes of fire behavior, prediction of fire development, the combustion of materials and furnishings, the effects of fire on structures and the environment, smoke management, evacuation and tenability analysis and the law. Courses may also be approved from other engineering departments or technical areas, e.g. mathematics.

On-Campus or Remote Site: The degree requirement is to complete ten approved courses, including a minimum of six fire protection engineering ENFP courses. No thesis is required for the degree.

Graduate Certificate in Engineering: 12 credits or 4 courses

On-campus or Remote Site: Four courses are required for the Graduate Certificate in Engineering. The requirements for the four courses are:

- All courses must be fire protection engineering ENFP courses.
- One of the courses must be ENFP 651.
- The three remaining courses can be from any other ENFP 600 level courses.

Fire Protection Core Courses (choose six):

ENFP415 Fire Dynamics

ENFP425 Enclosure Fire Modeling

ENFP426 Computational Methods in Fire Protection or **ENFP626** Computational Fire Modeling

ENFP611 Fire Induced Flows

ENFP613 Human Response to Fire

ENFP620 Fire Dynamics Laboratory

ENFP621 Analytical Procedures of Structural Fire Protection

ENFP627 Smoke Detection and Management

Fire Protection Technical Electives (choose four):

Additional technical electives must be approved by academic advisor.

Preliminary 10-Course Plan

Fire Protection—On Campus

Name:			Date:					
UID:								
Fall			Spring			Summer		
Course	Core/ Elective	Credit	Course	Core/ Elective	Credit	Course	Core/ Elective	Credit
Fall			Spring			Summer		
Course	Core/ Elective	Credit	Course	Core/ Elective	Credit	Course	Core/ Elective	Credit
Fall			Spring			Summer		
Course	Core/ Elective	Credit	Course	Core/ Elective	Credit	Course	Core/ Elective	Credit
Fall			Spring			Summer		
Course	Core/ Elective	Credit	Course	Core/ Elective	Credit	Course	Core/ Elective	Credit
Fall			Spring			Summer		
Course	Core/ Elective	Credit	Course	Core/ Elective	Credit	Course	Core/ Elective	Credit