FIRE PROTECTION ENGINEERING, MASTER OF ENGINEERING (M.ENG.)

Non-thesis only: 30 credits required

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. Students are required to complete 10 approved courses, including a minimum of six fire protection engineering core courses.

All Professional Master of Engineering Programs consist of 10 courses/30 credits. All students are expected to complete a preliminary course plan for their intended degree program. Degree planning worksheets can be found here: https://mage.umd.edu/degree-planning-sheets (https://mage.umd.edu/degree-planning-sheets/)

Course	Title	Credits
Fire Protection Core Courses (choose six):		**18**
ENFP601	Introduction to Fire Protection Engineering	
ENFP613	Advanced Life Safety Analysis	
ENFP620	Fire Dynamics Laboratory	
ENFP621	Analytical Procedures of Structural Fire Protection	
ENFP627	Advanced Smoke Management and Fire Alarm Systems	
ENFP652	Fire Assessment Methods	
ENFP655	Smoke Control	
ENFP671	Material Flammability	
ENFP410	Special Hazard Suppression Systems	
or ENFP610	Advanced Special Hazard Suppression Systems	
or ENFP653	Advanced Fire Suppression	
ENFP415	Fire Dynamics	
or ENFP651	Advanced Fire Dynamics	
ENFP425	Enclosure Fire Modeling	
ENFP426	Computational Methods in Fire Protection	
ENFP625	Advanced Fire Modeling	
Fire Protection Pre-Approved Technical Electives (choose four):		**12**
(Please see degree planning sheet for additional details)		
ENPM672	Fundamentals for Thermal Systems	
ENPM808	Advanced Topics in Engineering	
ENFP 600-level or higher course (see degree planning sheet for details)		
Total Credits		**30**