

NAME: _____

FIRE PROTECTION ENGINEERING

UID: _____ __ A.A. __ A.S. __ Post-Bac

GENERAL EDUCATION REQUIREMENTS			
Fundamental Studies			
Academic Writing (AW)	ENGL 101		3
Professional Writing (PW)	ENGL 393		3
Oral Communication (OC)			3
GenEd Distributive Studies			
History/Social Sciences (HS*)			3
History/Social Sciences (HS*)			3
Humanities (HU*)			3
Humanities (HU*)			3
Scholarship in Practice (SP*) out of major			3
GenEd I-Series Courses			
I-Series (IS*)			0/3
I-Series (IS*)			0/3
GenEd Diversity			
Understanding Plural Societies (UP*)			0/3
Understanding Plural Societies (UP*) OR Cultural Competency (CC*)			0/3
MAJOR REQUIREMENTS			
Basic Sciences			
CHEM 135-Chem Engr or 131 & 134 -Fund & Prin			3/3&1
PHYS 161 - General Physics I (NS)			3
PHYS 260 and PHYS 261 - Gen Physics II & Lab (NL)			3 & 1
MATH 140 - Calculus I (MA/AR)			4
MATH 141 - Calculus II			4
MATH 206 - Introduction to MATLAB			1
MATH 240 - Linear Algebra or MATH 241 - Calculus III			4
MATH 246 - Differential Equations			3
Engineering Sciences			
ENES 100 - Intro to Eng Design (SP)			3
ENES 102 - Mechanics I			3
ENES 220 - Mechanics II			3
ENES 221- Dynamics			3
ENES 232 - Thermodynamics			3

MAJOR REQUIREMENTS		
ENFP 250 - Intro to Life Safety Analysis		3
ENFP 300 - FP Fluid Mechanics		3
ENFP 310 - Water Based FP Sys. Design		3
ENFP 312 - Heat & Mass Transfer		3
ENFP 320 - Fire Assessment Methods		4
ENFP 350 - Professional Dev Seminar		1
ENFP 405 - Structural Fire Protection		3
ENFP 410 - Advanced Fire Suppression		3
ENFP 411 - Risk Informed Perfm Base Des		3
ENFP 413 - Advanced Life Safety Analysis		3
ENFP 415 - Fire Dynamics		3
ENFP 425 - Enclosure Fire Modeling		3
ENFP 426 - Computational Methods in FPE		3
ENFP 440 - Smoke Mgmt & Fire Alarm Sys		3
Technical Requirements		
Approved Elective**		3
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Requirements for Graduation:

- ☐ Final 30 credits must be earned at UMD
- ☐ 15 of the final 30 credits must be earned at the 300-400 level
- ☐ 12 of the final 30 credits must be upper level major coursework
- ☐ A minimum 2.00 cumulative UM GPA and satisfactory completion of all degree requirements are required for graduation
- ☐ Students matriculating after Fall 2012 must have a 2.0 minimum GPA for all degree requirements, minor requirements, and undergraduate certificate requirements
- (Major courses are defined as: departmental courses, basic sciences, engineering sciences, specified degree tracks, technical requirements/ technical electives and ENGL 393)
- ☐ A minimum of 120 credits is required to earn the degree

*May satisfy more than one requirement. See www.gened.umd.edu

**Technical electives must include the following: at least 3 credits of: MATH or STAT 400+; at least 3 credits of: ENFP 400+; and at least 6 credits of: Engineering coursework 300+, CHEM 400+, or PHYS 400+." www.fpe.umd.edu

For Degree Clearance Only

Degree: B.S. ENFP Advisor: _____

Date: _____ Credits/GPA: _____