ENGINEERING TECHNOLOGY: FIRE SAFETY AND EXPLOSION PROTECTION, MS

Requirements for Students Matriculating in or before Academic Year 2024-2025. Learn more about Graduate College Academic Regulation 7.0 (http://catalog.okstate.edu/graduate-college/#70).

Thesis Option

Total Hours: 30

FSEP 5383

Code	Title	Hours
Engineering Techno	logy Core Courses	
FEMP 5013	Research Design & Methodology	3
or FSEP 5013	Research Design & Methodology	
IEM 5603	Project Management	3
or FSEP 5023	Project Management	
FSEP 5133	Principles of Industrial and Process Safety	3
Fire Safety and Expl	osion Protection Core Courses	
Select 9 hours from	FSEP core courses.	9
Hours Subtotal		18
Electives		
committee.	aduate courses approved by the advisory	3
Select 3 hours from	FSEP courses.	3
Hours Subtotal		6
Master's Thesis		
FSEP 5000	Master's Thesis	6
Each M.S. candidate it before a thesis co	e must prepare a written thesis and defend mmittee of at least three faculty members the FPST program). The written document	
Each M.S. candidate it before a thesis con (minimum two from must satisfy the required and structure. The thoral presentation, for	mmittee of at least three faculty members	-
Each M.S. candidate it before a thesis co (minimum two from must satisfy the req and structure. The to oral presentation, fo Hours Subtotal	mmittee of at least three faculty members the FPST program). The written document uirements of the Graduate College for format hesis defense consists of a twenty-minute	6
Each M.S. candidate it before a thesis con (minimum two from must satisfy the required and structure. The thoral presentation, for	mmittee of at least three faculty members the FPST program). The written document uirements of the Graduate College for format hesis defense consists of a twenty-minute	6 30
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Each M.S. candidate it before a thesis co (minimum two from must satisfy the req and structure. The tl oral presentation, fo Hours Subtotal Total Hours	mmittee of at least three faculty members the FPST program). The written document uirements of the Graduate College for format hesis defense consists of a twenty-minute ollowed by questions from the committee.	30
Each M.S. candidate it before a thesis co (minimum two from must satisfy the req and structure. The tl oral presentation, for Hours Subtotal Total Hours Code	mmittee of at least three faculty members the FPST program). The written document uirements of the Graduate College for format hesis defense consists of a twenty-minute ollowed by questions from the committee.	30
Each M.S. candidate it before a thesis co (minimum two from must satisfy the req and structure. The ti oral presentation, fo Hours Subtotal Total Hours Code FSEP Core Courses	mmittee of at least three faculty members the FPST program). The written document uirements of the Graduate College for format hesis defense consists of a twenty-minute ollowed by questions from the committee. Title	30 Hours
Each M.S. candidate it before a thesis co (minimum two from must satisfy the req and structure. The ti oral presentation, fo Hours Subtotal Total Hours Code FSEP Core Courses FSEP 5033	mmittee of at least three faculty members the FPST program). The written document juirements of the Graduate College for format hesis defense consists of a twenty-minute sillowed by questions from the committee. Title Risk Analysis	30 Hours
Each M.S. candidate it before a thesis co (minimum two from must satisfy the req and structure. The tl oral presentation, for Hours Subtotal Total Hours Code FSEP Core Courses FSEP 5033 FSEP 5113	mmittee of at least three faculty members the FPST program). The written document juirements of the Graduate College for format hesis defense consists of a twenty-minute followed by questions from the committee. Title Risk Analysis Fire and Explosion Hazard Recognition Performance Based Design for Life Safety	30 Hours 3 3
Each M.S. candidate it before a thesis co (minimum two from must satisfy the req and structure. The tl oral presentation, fo Hours Subtotal Total Hours Code FSEP Core Courses FSEP 5033 FSEP 5113 FSEP 5143	mmittee of at least three faculty members the FPST program). The written document ruirements of the Graduate College for format hesis defense consists of a twenty-minute fillowed by questions from the committee. Title Risk Analysis Fire and Explosion Hazard Recognition Performance Based Design for Life Safety in Fire and Other Hazards	30 Hours 3 3 3
Each M.S. candidate it before a thesis col (minimum two from must satisfy the req and structure. The ti oral presentation, for Hours Subtotal Total Hours Code FSEP Core Courses FSEP 5033 FSEP 5113 FSEP 5143 FSEP 5043	mmittee of at least three faculty members the FPST program). The written document ruirements of the Graduate College for format hesis defense consists of a twenty-minute fillowed by questions from the committee. Title Risk Analysis Fire and Explosion Hazard Recognition Performance Based Design for Life Safety in Fire and Other Hazards	30 Hours 3 3 3
Each M.S. candidate it before a thesis co (minimum two from must satisfy the req and structure. The tl oral presentation, for Hours Subtotal Total Hours Code FSEP Core Courses FSEP 5033 FSEP 5113 FSEP 5143 FSEP 5043 FSEP 5043 FSEP Electives	mmittee of at least three faculty members the FPST program). The written document juirements of the Graduate College for format hesis defense consists of a twenty-minute illowed by questions from the committee. Title Risk Analysis Fire and Explosion Hazard Recognition Performance Based Design for Life Safety in Fire and Other Hazards Principles and Impacts of Explosions	30 Hours 3 3 3 3
Each M.S. candidate it before a thesis co (minimum two from must satisfy the req and structure. The tl oral presentation, fo Hours Subtotal Total Hours Code FSEP Core Courses FSEP 5033 FSEP 5113 FSEP 5143 FSEP 5043 FSEP 5043 FSEP 5060	mmittee of at least three faculty members the FPST program). The written document ruirements of the Graduate College for format hesis defense consists of a twenty-minute followed by questions from the committee. Title Risk Analysis Fire and Explosion Hazard Recognition Performance Based Design for Life Safety in Fire and Other Hazards Principles and Impacts of Explosions Emerging Topics in Engineering Technology Advanced Special Hazard Suppression and	30 Hours 3 3 3 3 3
Each M.S. candidate it before a thesis col (minimum two from must satisfy the req and structure. The ti oral presentation, for Hours Subtotal Total Hours Code FSEP Core Courses FSEP 5033 FSEP 5113 FSEP 5143 FSEP 5143 FSEP 5143 FSEP 5043	mmittee of at least three faculty members the FPST program). The written document juirements of the Graduate College for format hesis defense consists of a twenty-minute illowed by questions from the committee. Title Risk Analysis Fire and Explosion Hazard Recognition Performance Based Design for Life Safety in Fire and Other Hazards Principles and Impacts of Explosions Emerging Topics in Engineering Technology Advanced Special Hazard Suppression and Detection	30 Hours 3 3 3 3 3 3
Each M.S. candidate it before a thesis col (minimum two from must satisfy the req and structure. The ti oral presentation, for Hours Subtotal Total Hours Code FSEP Core Courses FSEP 5033 FSEP 5113 FSEP 5143 FSEP 5143 FSEP 5143 FSEP 5043 FSEP 5123 FSEP 5123 FSEP 5153	mmittee of at least three faculty members the FPST program). The written document juirements of the Graduate College for format hesis defense consists of a twenty-minute illowed by questions from the committee. Title Risk Analysis Fire and Explosion Hazard Recognition Performance Based Design for Life Safety in Fire and Other Hazards Principles and Impacts of Explosions Emerging Topics in Engineering Technology Advanced Special Hazard Suppression and Detection Advanced Exposure Assessment	30 Hours 3 3 3 3 3 3 3 3

Fire and Evacuation Modeling

Non-Thesis Option

Total Hours: 33

Code	Title	Hours
Engineering Technolo		riours
FEMP 5013	Research Design & Methodology	3
or FSEP 5013	Research Design & Methodology	Ü
IEM 5603	Project Management	3
or FSEP 5023	Project Management	O
FSEP 5133	Principles of Industrial and Process Safety	3
	osion Protection Core Courses	3
Select 9 hours from F		9
Hours Subtotal	-SEP Cole Courses.	
		18
Electives		
Select one of the two	options:	15
Coursework only optic	n	
Select 6 hours of committee.	graduate courses approved by the advisory	
Select 9 hours from	m FSEP courses.	
Creative component o	ption	
Select 6 hours of quantities.	graduate courses approved by the advisory	
Select 6 hours from	m FSEP courses	
FSEP 5990	Directed Studies (3 hours)	
report (a "mini-the	ourse is used for a creative component. A sis") must be submitted, prepared in the sis, but not submitted for Graduate College	
Hours Subtotal		15

Hours Subtotal		15
Total Hours		33
Code FSEP Core Courses	Title	Hours
FSEP 5033	Risk Analysis	3
FSEP 5113	Fire and Explosion Hazard Recognition	3
FSEP 5143	Performance Based Design for Life Safety in Fire and Other Hazards	3
FSEP 5043	Principles and Impacts of Explosions	3
FSEP Electives		
FSEP 5060	Emerging Topics in Engineering Technology	3
FSEP 5123	Advanced Special Hazard Suppression and Detection	3
FSEP 5153	Advanced Exposure Assessment	3
FSEP 5163	Building Electrical Systems	3
FSEP 5213	Advanced Building Design and Analysis	3
FSEP 5383	Fire and Evacuation Modeling	3

Graduate College Master's Program Requirements

Learn more about Graduate College 2024-2025 Master's Degree Program Requirements (http://catalog.okstate.edu/graduate-college/). Check the General Graduate College academic regulations for minimal GPA, language proficiency and other general requirements.