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ENGINEERING TECHNOLOGY: FIRE SAFETY AND EXPLOSION PROTECTION, MS

Requirements for Students Matriculating in or before Academic Year 2023-2024. Learn more about Graduate College Academic Regulation 7.0 (http://catalog.okstate.edu/graduate-college/#70).

Thesis Option

Total Hours: 30

Code	Title	Hours		
Engineering Techn	Engineering Technology 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 Exp	olosion Protection Core Courses			
Select 9 hours from	n FSEP core courses.	9		
Hours Subtotal		18		
Electives				
committee.	raduate courses approved by the advisory	3		
Select 3 hours from	n FSEP courses.	3		
Hours Subtotal		6		
Master's Thesis				
FSEP 5000	Master's Thesis	6		
it before a tilesis c	ommittee of at least three faculty members			
(minimum two from must satisfy the re and structure. The oral presentation, f	ommittee of at least three faculty members in the FPST program). The written document quirements of the Graduate College for format thesis defense consists of a twenty-minute followed by questions from the committee.	6		
(minimum two from must satisfy the re and structure. The oral presentation, f Hours Subtotal	n the FPST program). The written document quirements of the Graduate College for format thesis defense consists of a twenty-minute	6		
(minimum two from must satisfy the re and structure. The oral presentation, f	n the FPST program). The written document quirements of the Graduate College for format thesis defense consists of a twenty-minute	6 30		
(minimum two from must satisfy the re and structure. The oral presentation, f Hours Subtotal	n the FPST program). The written document quirements of the Graduate College for format thesis defense consists of a twenty-minute			
(minimum two from must satisfy the re and structure. The oral presentation, f Hours Subtotal Total Hours	n the FPST program). The written document quirements of the Graduate College for format thesis defense consists of a twenty-minute followed by questions from the committee. Title	30		
(minimum two from must satisfy the reand structure. The oral presentation, for Hours Subtotal Total Hours	n the FPST program). The written document quirements of the Graduate College for format thesis defense consists of a twenty-minute followed by questions from the committee. Title	30		
(minimum two from must satisfy the reand structure. The oral presentation, for Hours Subtotal Total Hours Code FSEP Core Courses	n the FPST program). The written document quirements of the Graduate College for format thesis defense consists of a twenty-minute followed by questions from the committee. Title Risk Analysis	30 Hours		
(minimum two from must satisfy the reand structure. The oral presentation, for Hours Subtotal Total Hours Code FSEP Core Courses FSEP 5033	n the FPST program). The written document quirements of the Graduate College for format thesis defense consists of a twenty-minute followed by questions from the committee. Title	30 Hours		
(minimum two from must satisfy the reand structure. The oral presentation, for Hours Subtotal Total Hours Code FSEP Core Courses FSEP 5033 FSEP 5113	n the FPST program). The written document quirements of the Graduate College for format thesis defense consists of a twenty-minute followed by questions from the committee. Title Risk Analysis Fire and Explosion Hazard Recognition	30 Hours 3 3		
(minimum two from must satisfy the reand structure. The oral presentation, for Hours Subtotal Total Hours Code FSEP Core Courses FSEP 5033 FSEP 5113 FSEP 5143	n the FPST program). The written document quirements of the Graduate College for format thesis defense consists of a twenty-minute followed by questions from the committee. Title Risk Analysis Fire and Explosion Hazard Recognition Structural Design for Fire and Life Safety	30 Hours 3 3 3		
(minimum two from must satisfy the reand structure. The oral presentation, for the two forms subtotal) Total Hours Code FSEP Core Courses FSEP 5033 FSEP 5113 FSEP 5143 FSEP 5043	n the FPST program). The written document quirements of the Graduate College for format thesis defense consists of a twenty-minute followed by questions from the committee. Title Risk Analysis Fire and Explosion Hazard Recognition Structural Design for Fire and Life Safety	30 Hours 3 3 3		
(minimum two from must satisfy the reand structure. The oral presentation, for the two forms subtotal) Total Hours Code FSEP Core Courses FSEP 5033 FSEP 5113 FSEP 5143 FSEP 5043 FSEP Electives	n the FPST program). The written document quirements of the Graduate College for format thesis defense consists of a twenty-minute followed by questions from the committee. Title Risk Analysis Fire and Explosion Hazard Recognition Structural Design for Fire and Life Safety Principles and Impacts of Explosions	30 Hours 3 3 3 3 3		
(minimum two from must satisfy the reand structure. The oral presentation, for the two forms subtotal total Hours Code FSEP Core Courses FSEP 5033 FSEP 5113 FSEP 5143 FSEP 5043 FSEP Electives FSEP 5060	n the FPST program). The written document quirements of the Graduate College for format thesis defense consists of a twenty-minute followed by questions from the committee. Title Risk Analysis Fire and Explosion Hazard Recognition Structural Design for Fire and Life Safety Principles and Impacts of Explosions Emerging Topics in Engineering Technology Advanced Special Hazard Suppression and	30 Hours 3 3 3 3 3		
(minimum two from must satisfy the reand structure. The oral presentation, for the two forms subtotal total Hours Code FSEP Core Courses FSEP 5033 FSEP 5113 FSEP 5143 FSEP 5043 FSEP 5060 FSEP 5060 FSEP 5123	n the FPST program). The written document quirements of the Graduate College for format thesis defense consists of a twenty-minute followed by questions from the committee. Title Risk Analysis Fire and Explosion Hazard Recognition Structural Design for Fire and Life Safety Principles and Impacts of Explosions Emerging Topics in Engineering Technology Advanced Special Hazard Suppression and Detection	30 Hours 3 3 3 3 3 3		
(minimum two from must satisfy the reand structure. The oral presentation, for the two forms subtotal total Hours Code FSEP Core Courses FSEP 5033 FSEP 5113 FSEP 5143 FSEP 5043 FSEP 5043 FSEP 5060 FSEP 5123 FSEP 5153	n the FPST program). The written document quirements of the Graduate College for format thesis defense consists of a twenty-minute followed by questions from the committee. Title Risk Analysis Fire and Explosion Hazard Recognition Structural Design for Fire and Life Safety 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		

Non-Thesis Option

Total Hours: 33		
Code	Title	Hours
Engineering Technolo	ogy 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 Explo	sion Protection Core Courses	
Select 9 hours from FSEP core courses.		9
Hours Subtotal		18
Electives		
Select one of the two options:		15
Coursework only option	n	
Select 6 hours of good committee.	graduate courses approved by the advisory	
Select 9 hours from	m FSEP courses.	
Creative component o	ption	
Select 6 hours of good committee.	graduate courses approved by the advisory	
Select 6 hours from	m FSEP courses	
FSEP 5990	Directed Studies (3 hours)	
report (a "mini-the	urse is used for a creative component. A sis") must be submitted, prepared in the sis, but not submitted for Graduate College	
Hours Subtotal		15
Total Hours		33
Code	Title	Hours
FSEP Core Courses		
FSEP 5033	Risk Analysis	3
FSEP 5113	Fire and Explosion Hazard Recognition	3
FSEP 5143	Structural Design for Fire and Life Safety	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	3

Graduate College Master's Program Requirements

Detection

FSEP 5153

FSEP 5163

FSEP 5213

FSEP 5383

Learn more about Graduate College 2023-2024 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.

Advanced Exposure Assessment

Advanced Building Design and Analysis

Building Electrical Systems

Fire and Evacuation Modeling