

INDUSTRIAL ENGINEERING AND MANAGEMENT: OPERATIONS RESEARCH AND ANALYTICS, 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
Common Core		
IEM 5003	Probability and Statistics for Engineers	3
IEM 5013	Introduction to Optimization	3
IEM 5703	Discrete System Simulation	3
Hours Subtotal		9
Specialty Core Courses		
IEM 5063	Network Optimization	3
IEM 5133	Stochastic Processes	3
IEM 5723	Data, Process and Object Modeling	3
Hours Subtotal		9
Electives		
Select six hours (including at least one IEM graduate-level course)		6
Hours Subtotal		6
Thesis		
IEM 5000	Master's Research and Thesis	6
Hours Subtotal		6
Total Hours		30

Non-Thesis Option

Total Hours: 33

Code	Title	Hours
Common Core		
IEM 5003	Probability and Statistics for Engineers	3
IEM 5013	Introduction to Optimization	3
IEM 5703	Discrete System Simulation	3
Hours Subtotal		9
Specialty Core Courses		
IEM 5063	Network Optimization	3
IEM 5133	Stochastic Processes	3
IEM 5723	Data, Process and Object Modeling	3
Hours Subtotal		9
Electives		
Select six hours (including at least one IEM graduate-level course)		6
Hours Subtotal		6
Additional Requirements		

Select one of the following options: 9

Option 1

9 hours of additional approved electives

Option 2

IEM 5350 Industrial Engineering Problems

6 hours of additional approved electives

Option 3

3-6 hours of IEM 5020 and/or IEM 5030 plus additional electives to equal 9 hours

Hours Subtotal 9

Total Hours 33

Graduate College Master's Program Requirements

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.