

M.S. in Healthcare Systems Management

Degree Requirements

A minimum of 30 credits beyond a baccalaureate degree is required. A master's thesis or independent research is optional.

M.S. in Healthcare Systems Management (courses only)

Code	Title	Credits
Core Courses		
EM 602	Management Science	3
IE 686	Intro to Healthcare Systems	3
IE 687	Healthcare Enterprise Systems	3
EM 636	Project Management	3
HRM 601	Managing Organizational Behavior in Technology-Based Organizations	3
IE 604	Advanced Engineering Statistics	3
Electives		
Select four of the following:		12
EM 637	Project Control	
IE 682	Industrial Safety and Health Evaluation	
IE 672	Industrial Quality Control	
IE 688	Healthcare Sys Perfor Modeling	
IE 650	Advanced Topics in Operations Research	
IE 621	Systems Analysis and Simulation	
EM 633	Legal Aspects of Health and Safety	
IE 673	Total Quality Management	
MIS 648	Decision Support Systems for Managers	
IE 615	Industrial Hygiene and Occupational Health	
Total Credits		30

M.S. in Healthcare Systems Management (independent research)

Code	Title	Credits
Core Courses		
IE 699	Special Topics in Industrial Engineering	3
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EM 602	Management Science	3
EM 636	Project Management	3
HRM 601	Managing Organizational Behavior in Technology-Based Organizations	3
IE 604	Advanced Engineering Statistics	3
Independent Research		
IE 725	Independent Research	3
Electives		
Select three of the following:		9
IE 699	Special Topics in Industrial Engineering	
EM 637	Project Control	
IE 682	Industrial Safety and Health Evaluation	
IE 672	Industrial Quality Control	
IE 650	Advanced Topics in Operations Research	
IE 621	Systems Analysis and Simulation	
IE 673	Total Quality Management	
MIS 648	Decision Support Systems for Managers	

MGMT 620	Strategic Management of Technological Innovation	
Total Credits		30

M.S. in Healthcare Systems Management (Master's thesis)

Code	Title	Credits
Core Courses		
IE 699	Special Topics in Industrial Engineering	3
IE 699	Special Topics in Industrial Engineering	3
EM 602	Management Science	3
EM 636	Project Management	3
HRM 601	Managing Organizational Behavior in Technology-Based Organizations	3
IE 604	Advanced Engineering Statistics	3
Thesis		
IE 701B & 701B or IE 701C	Master's Thesis and Master's Thesis Master's Thesis	6
Electives		
Select two of the following:		6
IE 699	Special Topics in Industrial Engineering	
EM 637	Project Control	
IE 682	Industrial Safety and Health Evaluation	
IE 672	Industrial Quality Control	
IE 650	Advanced Topics in Operations Research	
IE 621	Systems Analysis and Simulation	
IE 673	Total Quality Management	
MIS 648	Decision Support Systems for Managers	
MGMT 620	Strategic Management of Technological Innovation	
Total Credits		30