

Master of Science in Engineering and Technology Management					
Thesis and Practicum Curriculum					
Concentration: Construction			Concentration: Aviation Management		
Contact: Dr. John Matthews			Contact: Dr. Mary Fendley		
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Core Courses		6	Core Courses		6
EMGT 5183	Project Management	3	EMGT 5183	Project Management	3
INEN 5143	Statistical Analysis for Six Sigma	3	INEN 5143	Statistical Analysis for Six Sigma	3
Quantitative Analysis and Management (Pick 2)		6	Quantitative Analysis and Management (Pick 2)		6
EMGT 5073	Engineering Administration	3	EMGT 5073	Engineering Administration	3
EMGT 5093	Economics and Decision Making	3	EMGT 5093	Economics and Decision Making	3
EMGT 5253	Engineering Finance	3	EMGT 5253	Engineering Finance	3
INEN 5023	Operations Research Methods	3	INEN 5023	Operations Research Methods	3
INEN 5043	Systems Simulation	3	INEN 5043	Systems Simulation	3
INEN 5053	Manufacturing and Operations Analysis	3	INEN 5053	Manufacturing and Operations Analysis	3
INEN 5203	Six Sigma Black Belt Project	3	INEN 5203	Six Sigma Black Belt Project	3
INEN 5213	Introduction to Cognitive Systems Engineering	3	INEN 5213	Introduction to Cognitive Systems Engineering	3
INEN 5663	Six Sigma and Quality Control	3	INEN 5663	Six Sigma and Quality Control	3
STAT 5073	Design and Analysis or Experiments	3	STAT 5073	Design and Analysis or Experiments	3
Concentration Courses (Pick 3 Courses)		9	Concentration Courses		9
CVEN 5023	Infrastructure Management	3	PRAV 5013	The Aviation System	3
CVEN 5033	Urban Hydrosystems Engineering	3	PRAV 5023	Human Error in Aviation	3
CVEN 5053	Buried Structures- Rehab and Management	3	Select One of the Following		
CVEN 5063	Above Ground Structures: Assessment and Rehabilitation	3	PRAV 5033	Regulatory Process of Aviation	3
CVEN 5423	Sustainable Construction	3	PRAV 5043	Current Issues in Aviation	3
CVEN 5803	Trenchless Technology	3	PRAV 5053	Legal Issues in Aviation	3
MEMT 5083	Finite Element Analysis	3			
Other courses approved by advisor			Other courses approved by advisor		
Total		21	Total		21

Thesis Options for both concentrations		
ENGR 5102	Introduction to Engineering and Science Research Methods	2
ENGR 5111	Engineering and Science Research Proposal Development	1
INEN 5516	Research and Thesis in INEN	6
Total		30

Practicum Options for both concentrations		
ENGR 5102	Introduction to Engineering and Science Research Methods	2
ENGR 5111	Engineering and Science Research Proposal Development	1
Two additional courses from the Quantitative Analysis and Management Category		6
INEN 5553	Practicum in INEN	3
Total		33