

Master of Science in Engineering and Technology Management			
Engineering Management Concentration		Management of Technology Concentration	
<b>Core Courses</b>		<b>24</b>	<b>Core Courses</b>
EMGT 507	Engineering Administration		EMGT 518
EMGT 509	Economics and Decision Making		INEN 514
EMGT 518	Project Management		
EMGT 525	Engineering Finance		<b>Quantitative Analysis and Management (Pick 3 Courses)</b>
INEN 502	Operations Research Methods		EMGT 507
INEN 505	Manufacturing and Operations Analysis		EMGT 509
INEN 511	Theory and Application of Lean Manufacturing and Management		EMGT 525
INEN 514	Statistical Analysis for Six Sigma		INEN 502
			INEN 504
<b>Electives (Pick 3 Courses)</b>		<b>9</b>	INEN 505
BUSN 501	Global Perspectives in Business Management		INEN 520
CIS 510	Information Resource Management		INEN 566
CIS 521	Introduction to Information System Assurance		MGMT 537
ENTR 501	Technology Transfer and Commercialization		MGMT 571
ENTR 510	Entrepreneurship and New Venture Creation		PSYC 513
ENTR 560	Innovative Venture Research		PSYC 516
INEN 504	Simulation		STAT 507
INEN 512	Reliability Engineering		
INEN 515	Logistics Planning		<b>Science, Engineering, and Entrepreneurship (Pick 3 Courses)</b>
INEN 520	Six Sigma Black Belt Project		ELEN 535
INEN 566	Six Sigma and Quality Control		ELEN 581
MGMT 537	Human Resource Management		ELEN 582
MGMT 571	Organizational Behavior		ENGR 554
MKTG 530	Marketing Management		ENTR 501
PSYC 513	Organizational Psychology		ENTR 510
PSYC 516	Industrial Psychology		ENTR 560
PSYC 523	Leadership Decision Making		MSE 501
STAT 507	Design and Analysis of Experiments		MSE 502
	Other electives approved by advisor		MSE 505
			MSNT 521
			Other technical electives approved by advisor
			<b>Elective (Pick 3 Courses)</b>
			ACCT 505
			BUSN 501
			CIS 510
			CIS 521
			FINC 515
			INEN 511
			INEN 512
			INEN 515
			MKTG 530
			PSYC 523
			Other electives approved by advisor
<b>Total</b>		<b>33</b>	<b>Total</b>
			<b>33</b>

Master of Science in Engineering and Technology Management						
Construction Concentration			Data Science Concentration			
Core Courses			6	Core Courses		6
EMGT 518	Project Management			EMGT 518	Project Management	
INEN 514	Statistical Analysis for Six Sigma			INEN 514	Statistical Analysis for Six Sigma	
Quantitative Analysis and Management (Pick 4 Courses)			12	Quantitative Analysis and Management (Pick 4 Courses)		12
EMGT 507	Engineering Administration			EMGT 507	Engineering Administration	
EMGT 509	Economics and Decision Making			EMGT 509	Economics and Decision Making	
EMGT 525	Engineering Finance			EMGT 525	Engineering Finance	
INEN 502	Operations Research Methods			INEN 502	Operations Research Methods	
INEN 504	Simulation			INEN 504	Simulation	
INEN 505	Manufacturing and Operations Analysis			INEN 505	Manufacturing and Operations Analysis	
INEN 520	Six Sigma Black Belt Project			INEN 520	Six Sigma Black Belt Project	
INEN 566	Six Sigma and Quality Control			INEN 566	Six Sigma and Quality Control	
MGMT 537	Human Resource Management			MGMT 537	Human Resource Management	
MGMT 571	Organizational Behavior			MGMT 571	Organizational Behavior	
PSYC 513	Organizational Psychology			PSYC 513	Organizational Psychology	
PSYC 516	Industrial Psychology			PSYC 516	Industrial Psychology	
STAT 507	Design and Analysis of Experiments			STAT 507	Design and Analysis of Experiments	
Construction and Civil (Pick 3 Courses)			9	Data Science (Pick 3 Courses)		9
CVEN 502	Infrastructure Management			CSC 530	Database Theory	
CVEN 503	Urban Hydrosystems Engineering			STAT 509	Statistical Learning	
CVEN 505	Buried Structures - Rehab and Management			Select one of the following two courses		
CVEN 506	Above Ground Structures: Assessment and Rehabilitation			CSC 475	Artificial Intelligence	
CVEN 542	Sustainable Construction			INEN 521	Introduction to Cognitive Systems Engineering	
CVEN 580	Trenchless Technology			Other technical electives approved by advisor		
MEMT 508	Finite Element Analysis			Elective (Pick 2 Courses)		6
Other technical electives approved by advisor				ACCT 505	Accounting Analysis and Decision Making	
				BUSN 501	Global Perspectives in Business Management	
Elective (Pick 2 Courses)			6	CIS 510	Information Resource Management	
ACCT 505	Accounting Analysis and Decision Making			CIS 521	Introduction to Information System Assurance	
BUSN 501	Global Perspectives in Business Management			FINC 515	Financial Management	
CIS 510	Information Resource Management			INEN 511	Theory and Application of Lean Manufacturing and Management	
CIS 521	Introduction to Information System Assurance			INEN 512	Reliability Engineering	
FINC 515	Financial Management			INEN 515	Logistics Planning	
INEN 511	Theory and Application of Lean Manufacturing and Management			MKTG 530	Marketing Management	
INEN 512	Reliability Engineering			PSYC 523	Leadership Decision Making	
INEN 515	Logistics Planning			Other electives approved by advisor		
MKTG 530	Marketing Management					
PSYC 523	Leadership Decision Making					
Other electives approved by advisor						
Total			33	Total		33
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Date: March 29, 2021						