

## Master of Science in Engineering and Technology Management

Engineering Management Concentration			Management of Technology Concentration		
Core Courses		21	Core Courses		6
EMGT 507	Engineering Administration		EMGT 518	Project Management	
EMGT 509	Economics and Decision Making		INEN 514	Statistical Analysis for Six Sigma	
EMGT 518	Project Management				
EMGT 525	Engineering Finance		Quantitative Analysis and Management (Pick 3 Courses)		9
INEN 502	Operations Research Methods		EMGT 507	Engineering Administration	
INEN 505	Manufacturing and Operations Analysis		EMGT 509	Economics and Decision Making	
INEN 514	Statistical Analysis for Six Sigma		EMGT 525	Engineering Finance	
			INEN 502	Operations Research Methods	
Electives (Pick 4 Courses)			INEN 504	Simulation	
BUSN 501	Global Perspectives in Business Management	12	INEN 505	Manufacturing and Operations Analysis	
CIS 510	Information Resource Management		INEN 566	Six Sigma and Quality Control	
ENTR 501	Entrepreneurship and New Venture Creation		MGMT 537	Human Resource Management	
ENTR 510	Entrepreneurship and New Venture Creation		MGMT 571	Organizational Behavior	
ENTR 560	Innovative Venture Research		PSYC 513	Organizational Psychology	
INEN 504	Simulation		PSYC 516	Industrial Psychology	
INEN 511	Theory and Appl. of Lean Manufacturing and Mgmt.				
INEN 512	Reliability Engineering				
INEN 515	Logistics Planning		Science, Engineering, and Entrepreneurship (Pick 3 Courses)		9
INEN 520	Six Sigma Black Belt Project		ELEN 525	Telecommunication Theory and Application	
INEN 566	Six Sigma and Quality Control		ELEN 526	Modern Wireless and Optical Networking	
MGMT 537	Human Resource Management		ELEN 527	Optical Communication Systems	
MGMT 571	Organizational Behavior		ELEN 581	Semiconductor Technology Management	
MKTG 530	Marketing Management		ELEN 582	Micro/Nanotechnology Management	
PSYC 513	Organizational Psychology		ENGR 554	Modern Energy Grand Challenges	
PSYC 516	Industrial Psychology		ENTR 501	Technology Transfer and Commercialization	
PSYC 523	Leadership Decision Making		ENTR 510	Entrepreneurship and New Venture Creation	
STAT 507	Design and Analysis of Experiments		ENTR 560	Innovative Venture Research	
	Other electives approved by advisor		MSE 501	Fundamentals of Microfabrication Processes	
			MSE 505	Nanotechnology Principles	

	TOTAL	33	MSNT 521	Principles of Cell and Molecular Biology	
				Other technical electives approved by advisor	
				Electives (Pick 3 Courses)	9
			ACCT 505	Accounting Analysis and Decision Making	
			BUSN 501	Global Perspectives in Business Management	
			CIS 510	Information Resource Management	
			CIS 521	Introduction to Information System Assurance	
			FINC 515	Financial Management	
			INEN 511	Theory and Appl. of Lean Manufacturing and Mgmt.	
			INEN 512	Reliability Engineering	
			INEN 515	Logistics Planning	
			INEN 520	Six Sigma Black Belt Project	
			MKGT 530	Marketing Management	
			PSYC 523	Leadership Decision Making	
			STAT 507	Design and Analysis of Experiments	
				Other courses from first two sections and as approved by advisor	
				Total	33

**Contact:** Dr. Beth Hegab  
318-257-3107  
bhegab@latech.edu

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**Degree Codes:** ES MSEM EMGT

**SCH Requirements:** 33 SCH

**Thesis Option:** Not available

**Practicum Option:** Not available

**Course-work only option:** Yes (as specified above)