			Mas	ter of Science	in	Engir	eering and Te	ch	nolog	y Management				
						Course	Work Only Curricul	Jm						
				Contact: E	Betl	h Hegab	318-257-3107 bheg	gab	@latech	.edu				
Engineer	ing Management Concentratio	on	Managem	ent of Technology Concentratio	n	Co	onstruction Concentration		Da	ta Science Concentration		Aviatio	n Management Concentration	
	Core Courses	24	ŀ	Core Courses	6		Core Courses	6		Core Courses	6		Core Courses	6
EMGT 5073	Engineering Administraiton	3	EMGT 5183	Project Management	3	EMGT 5183	Project Management	3	EMGT 5183	Project Management	3	EMGT 5183	Project Management	3
EMGT 5093	Economics and Decision Making	3	INEN 5143	Statistical Analysis for Six Sigma	3	INEN 5143	Statistical Analysis for Six Sigma	3	INEN 5143	Statistical Analysis for Six Sigma	3	INEN 5143	Statistical Analysis for Six Sigma	3
EMGT 5183	Project Management	3	Quantitativ	e Analysis and Management (Pick 3 Courses)	9	Quantitativ	ve Analysis and Management (Pick 3 Courses)	9	Quantitativ	e Analysis and Management (Pick 3 Courses)	9	Quantitativ	e Analysis and Management (Pick 3 Courses)	9
EMGT 5253	Engineering Finance	3	B EMGT 5073	Engineering Administraiton	3	EMGT 5073	Engineering Administraiton	3	EMGT 5073	Engineering Administraiton	3	EMGT 5073	Engineering Administraiton	3
INEN 5023	Operations Research Methods	3	EMGT 5093	Economics and Decision Making	3	EMGT 5093	Economics and Decision Making	3	EMGT 5093	Economics and Decision Making	3	EMGT 5093	Economics and Decision Making	3
INEN 5053	Manufacturing and Operations Analysis	3	EMGT 5253	Engineering Finance	3	EMGT 5253	Engineering Finance	3	EMGT 5253	Engineering Finance	3	EMGT 5253	Engineering Finance	3
INEN 5113	Theory and Application of Lean Manufacturing and Management	3	NEN 5023	Operations Research Methods	3	INEN 5023	Operations Research Methods	3	INEN 5023	Operations Research Methods	3	INEN 5023	Operations Research Methods	3
INEN 5143	Statistical Analysis for Six Sigma	3	INEN 5043	Systems Simulation	3	INEN 5043	Systems Simulation	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 5053	Manufacturing and Operations Analysis	3	INEN 5053	Manufacturing and Operations Analysis	3
			INEN 5203	Six Sigma Black Belt Project Six Sigma and Quality	3	INEN 5203	Six Sigma Black Belt Project Six Sigma and Quality	3	INEN 5203	Six Sigma Black Belt Project Six Sigma and Quality	3	INEN 5203	Six Sigma Black Belt Project Six Sigma and Quality	3
			INEN 5663	Control	3	INEN 5663	Control	3	INEN 5663	Control	3	INEN 5663	Control	3
			MGMT 5373	Human Resource Management	3	MGMT 5373	Human Resource Management	3	MGMT 5373	Human Resource Management	3	MGMT 5373	Human Resource Management	3
			MGMT 5713	Organizational Behavior	3	MGMT 5713	Organizational Behavior	3	MGMT 5713	Organizational Behavior	3	MGMT 5713	Organizational Behavior	3
			PSYC 5133	Organizational Psychology	3	PSYC 5133	Organizational Psychology	3	PSYC 5133	Organizational Psychology	3	PSYC 5133	Organizational Psychology	3
			PSYC 5163	Industrial Psychology	3	PSYC 5163	Industrial Psychology	3	PSYC 5163	Industrial Psychology	3	PSYC 5163	Industrial Psychology	3
			STAT 5073	Design and Analysis of Experiments	3	STAT 5073	Design and Analysis of Experiments	3	STAT 5073	Design and Analysis of Experiments	3	STAT 5073	Design and Analysis of Experiments	3
				nce, Engineering, and neurship (Pick 3 Courses)	9	Constructi	on and Civil (Pick 3 Courses)	9		Data Science	9	A	viation Management	9
			ELEN 5353	Advanced Topics in Microelectronics	3	CVEN 5023	Infrastructure Management	3	CSC 5303	Database Theory	3	PRAV 5013	The Aviation System	3
			ENGR 5543	Modern Energy Grand Challenges	3	CVEN 5033	Urban Hydrosystems Engineering Burned Structures - Babab	3	STAT 5093	Statistical Learning	3	PRAV 5023	Human Error in Aviation	3
			ENTR 5013	Technology Transfer and Commercialization	3	CVEN 5053	Buried Structures - Rehab and Management	3	Select one	of the following two courses		Select one	of the following three courses	

							Above Ground Structures:	,						
			ENTR 5103	Entrepreneurship and New Venture Creations	3	CVEN 5063	Assessment and Rehabilitation	3	CSC 5763	Data Analytics Tools and Applications	3	PRAV 5033	Regulatory Process of Aviation	3
			ENTR 5603	Innovative Venture Research	3	CVEN 5423	Sustainable Construction	3	INEN 5213	Introduction to Cognitive Systems Engineering	3	PRAV 5043	Current Issues in Aviation	3
			MEMT 5083	Finite Element Analysis	3	CVEN 5803	Trenchless Technology	3				PRAV 5053	Legal Issues in Aviation	3
			MSE 5013	Fundamentals of Fabrication Processes	3	MEMT 5083	Finite Element Analysis	3						
			MSE 5023	Microsystems Principles	3	Other cour	ses approved by the advisor							ł
			MSE 5053	Nanotechnology Priciples	3									
			MSNT 5183	Molecular Biotechnology	3									
			Other cour	ses approved by the advisor										
Elec	tives (Pick 3 Courses)	9	Elec	tives (Pick 3 Courses)	9	Elec	tives (Pick 2 Courses)	6	Elec	tives (Pick 2 Courses)	6	Elect	ives (Pick 2 Courses)	6
3USN 5013	Global Perspectives in Business Management	3	ACCT 5053	Accounting Analysis for Decision Making	3	ACCT 5053	Accounting Analysis for Decision Making	3	ACCT 5053	Accounting Analysis for Decision Making	3	ACCT 5053	Accounting Analysis for Decision Making	3
	Advanced Business Analytics			Global Perspectives in Business Management			Global Perspectives in			Global Perspectives in Business Management			Global Perspectives in Business Management	
CIS 5063	Auvaliceu Busiliess Allaiylics	3	BUSN 5013	Business Management	3	BUSN 5013	Business Management	3	BUSN 5013	Busiliess Management	3	BUSN 5013	Business Management	3
CIS 5213	Introduction to Information System Assurance	3	CIS 5063	Advanced Business Analytics	3	CIS 5063	Advanced Business Analytics	3	CIS 5063	Advanced Business Analytics	3	CIS 5063	Advanced Business Analytics	3
ENTR 5013	Technology Transfer and Commercialization	3	CIS 5213	Introduction to Information System Assurance	3	CIS 5213	Introduction to Information System Assurance	3	CIS 5213	Introduction to Information System Assurance	3	CIS 5213	Introduction to Information System Assurance	3
	Entrepreneurship and New	5	010 02 10		5	010 32 13	Technology Transfer and		010 02 10	Technology Transfer and	5	010 02 10	Technology Transfer and	
ENTR 5103	Venture Creation	3	FINC 5153	Financial Management	3	ENTR 5013	Commercialization	3	ENTR 5013	Commercialization	3	ENTR 5013	Commercialization	З
ENTR 5603	Innovative Venture Research	3	INEN 5113	Theory and Application of Lean Manufacturing and Management	3	ENTR 5103	Entrepreneurship and New Venture Creation	3	ENTR 5103	Entrepreneurship and New Venture Creation	3		Entrepreneurship and New Venture Creation	3
NEN 5043	Systems Simulation	3	INEN 5153	Logistics Planning	3	ENTR 5603	Innovative Venture Research	3	ENTR 5603	Innovative Venture Research	3	ENTR 5603	Innovative Venture Research	3
NEN 5153	Logistics Planning	3	INEN 5213	Introduction to Cognitive Systems Engineering	3	FINC 5153	Financial Management	3	FINC 5153	Financial Management	3	FINC 5153	Financial Management	3
NEN 5203	Six Sigma Black Belt Project	3	INEN 5573	Design for Six Sigma	3	INEN 5113	Theory and Application of Lean Manufacturing and Management	3	INEN 5113	Theory and Application of Lean Manufacturing and Management	3	INEN 5113	Theory and Application of Lean Manufacturing and Management	3
NEN 5213	Introduction to Cognitive Systems Engineering	3	MKTG 5303	Marketing Management	3	INEN 5153	Logistics Planning	3	INEN 5153	Logistics Planning	3	INEN 5153	Logistics Planning	3
NEN 5573	Design for Six Sigma	3	PSYC 5233	Leadership and Decision Making	3	INEN 5213	Introduction to Cognitive Systems Engineering	3	INEN 5213	Introduction to Cognitive Systems Engineering	3	INEN 5213	Introduction to Cognitive Systems Engineering	3
NEN 5663	Six Sigma and Quality Control	3	Other ele	ctives approved by advisor		INEN 5573	Design for Six Sigma	3	INEN 5573	Design for Six Sigma	3	INEN 5573	Design for Six Sigma	3
/GMT 5373	Human Resource Management	3				MKTG 5303	Marketing Management	3	MKTG 5303	Marketing Management	3	MKTG 5303	Marketing Management	3
/IGMT 5713	Organizational Behaviour	3				PSYC 5233	Leadership and Decision Making	3	PSYC 5233	Leadership and Decision Making	3	PSYC 5233	Leadership and Decision Making	3
		-												_

PSYC 5133	Organizational Psychology	3								
	Industrial Psychology	3								
PSYC 5233		3								
	Design and Analysis of Experiments	3								
Other ele	ctives approved by advisor									
Total		33	Total	33	Total	33	Total	33	Total	33