

## Master of Science in Engineering and Technology Management

Engineering Management Concentration			Management of Technology Concentration		
Core Courses		18	Quantitative Analysis and Management (Pick 4 Courses)		12
INEN 502	Operations Research Methods		INEN 502	Operations Research Methods	
INEN 505	Manufacturing and Operations Analysis		INEN 503	Management of Engineering Functions	
INEN 507	Engineering Administration		INEN 505	Manufacturing and Operations Analysis	
INEN 509	Economics and Decision Making		INEN 507	Engineering Administration	
INEN 514	Statistical Analysis for Six Sigma		INEN 509	Economics and Decision Making	
FINC 577	Accounting and Finance for Non-Financial Managers		INEN 514	Statistical Analysis for Six Sigma	
Electives (Pick 5 Courses)		15	INEN 518	Project Management	
BUSN 501	Global Perspectives in Business Management		FINC 577	Accounting and Finance for Non-Financial Managers	
CIS 510	Information Resource Management		MGMT 470	Personnel Management	
ENGR 566	Six Sigma and Quality Control		MGMT 510	Contemporary Management	
ENTR 510	Entrepreneurship for High-Tech Start-Ups		PSYC 513	Organizational Psychology	
ENTR 560	Innovative Venture Research		PSYC 516	Personnel Psychology	
INEN 503	Management of Engineering Functions		Science, Engineering & Entrepreneurship (Pick 4 Courses)		12
INEN 504	Simulation		ENTR 501	Introduction to Technology Transfer	
INEN 511	Facilities Planning		ENTR 510	Entrepreneurship for High-Tech Start-Ups	
INEN 512	Reliability Engineering		ENTR 560	Innovative Venture Research	
INEN 515	Logistics Planning		MSE 501	Fundamentals of Microfabrication Processes	
INEN 518	Project Management		MSE 505	Nanotechnology Principles	
MGMT 470	Personnel Management		MSNT 521	Principles of Cell and Molecular Biology	
MGMT 510	Contemporary Management		Other Technical Electives (with instructor approval)		
MGMT 577	Supply Chain Management		Electives (Pick 2 Courses)		6
MKTG 530	Marketing Management		ACCT 505	Accounting Analysis and Decision Making	
PSYC 513	Organizational Psychology		BUSN 501	Global Perspectives in Business Management	
PSYC 516	Personnel Psychology		CIS 510	Information Resource Management	
PSYC 523	Leadership Decision Making		ENGR 566	Six Sigma and Quality Control	
	<b>TOTAL</b>	<b>33</b>	FINC 515	Financial Management	
			INEN 504	Simulation	
			INEN 512	Reliability Engineering	
			MGMT 577	Supply Chain Management	
			MKTG 530	Marketing Management	
			PSYC 523	Leadership Decision Making	
			Other courses from first two sections and as approved by advisor		
			Design Component		3
			Design Project Approved by Committee		
			<b>TOTAL</b>		<b>33</b>

Since there is a large overlap in the material covered in some of the classes listed, the following pairs of classes may not be taken: FINC 577 Managerial Accounting and Finance for Non-Financial Managers and ACCT 505/FINC 515, MGMT 470 and PSYC 516, MGMT 510 and PSYC 513.

**Contact:** Dr. Beth Hegab  
318-257-3107  
[bhegab@latech.edu](mailto: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 below)