

Master of Science in Engineering and Technology Management

Degree Codes: ES MSEM EMGT

Concentration: Engineering Management

Contact: Dr. Beth Hegab

Overall requirements for the specific options are as follows:

Course Category	Number	Course Name		SCH
Core Courses	FINC 577**	Introduction to Engineering and Science Research Methods	3	21
	INEN 502	Engineering and Science Research Proposal Development	3	
	INEN 505	Manufacturing and Operations Analysis	3	
	INEN 507	Engineering Administration	3	
	INEN 509	Economics and Decision Making	3	
	INEN 514	Statistical Analysis for Six Sigma	3	
	INEN 518	Project Management	3	
Electives*	Four courses (12 semester hours) from electives list or others approved by advisory committee*			12
				Total 33

*The maximum number of variable credit Independent Study courses that can be applied towards the degree is 6 SCH.

Suggested Electives

BUSN 501	Global Perspectives in Business Management	3	INEN 520	Six Sigma Black Belt Project	3
CIS 510	Information Resource Management	3	INEN 566	Six Sigma and Quality Control	3
ENTR 501	Technology Transfer and Commercialization	3	MGMT 537**	Human Resource Management	3
ENTR 510	Entrepreneurship and New Venture Creation	3	MGMT 571**	Organizational Behavior	3
ENTR 560	Innovative Venture Research	3	MKTG 530	Marketing Management	3
INEN 503	Management of Engineering Functions	3	PSYC 513**	Organizational Psychology	3
INEN 504	Simulation	3	PSYC 516**	Industrial Psychology	3
INEN 511	Theory and Appl. of Lean Mfg. and Mgmt.	3	PSYC 523	Leadership and Decision Making	3
INEN 512	Reliability Engineering	3	STAT 507	Design and Analysis of Experiments	3
INEN 515	Logistics Planning	3			

**Certain course pairs cannot be both taken for credit due to a large amount of material overlap. These include FINC 577 and ACCT 505/FINC 515; MGMT 537 and PSYC 516; PSYC513 and MGMT 571.

Coursework Only Option is all that is Available

No Thesis Option Available

No Practicum Option Available

Plan of Study Important Information: When entering information in the plan of study, it is important to note that only core courses and all core courses need to be put in section 1.1, while all others are put in section 1.2 (i.e. special topics, seminar, and research courses).

Updated 7/10/2018