



**L E B A N E S E  
INTERNATIONAL  
UNIVERSITY**

**Major Title:** Masters of Science in Industrial Engineering  
**Major Code:** MIENG  
**Level:** graduate  
**Number Of Credits:** 52  
**Date:** 18-05-2017

**Masters of Science in Industrial Engineering (MIENG)**

**First Year**

**Fall Semester**

Code	Title	Credits	Prerequisites	Corequisites
	Major Elective	3		
EENG500L	Industrial Systems Automation and Control Lab	1		EENG500
IENG510	Manufacturing Systems	3		
IENG515	Organizational Environments	3		
EENG500	Industrial Systems Automation and Control	3		EENG500L
Total		13		

**Spring Semester**

Code	Title	Credits	Prerequisites	Corequisites
IENG570	Occupational Safety Engineering	3		
IENG555	Advanced Concepts in Quality Improvement	3		
IENG560	Infrastructure and Facilities Management	3	IENG510	
IENG550	Industrial Engineering Field Visit	1		
IENG565	Industrial Waste Management	3		
Total		13		

**Second Year**

**Fall Semester**

Code	Title	Credits	Prerequisites	Corequisites
	Major Elective	3		
	Major Elective	3		
IENG695A	Master Thesis Project (Part I)	3	IENG570-IENG565-IENG560-IENG555-IENG550-IENG515-IENG510	
IENG615	Operations Research	3	IENG555-IENG510	
IENG600	Industrial Engineering Graduate Seminar I	1		
Total		13		

**Spring Semester**

Code	Title	Credits	Prerequisites	Corequisites
IENG660	Industrial Engineering Graduate Seminar II	1	IENG600	
IENG695B	Master Thesis Project (Part II)	3	IENG695A	
	Major Elective	3		
	Major Elective	3		
ENGG650	Engineering Profession & Ethics	3		
Total		13		

**Major Elective Courses**

Code	Title	Credits	Prerequisites	Corequisites
ENGG500	Engineering Economics	3		
ENGG510	Methods of Optimization	3		EENG500
IENG610	Selected Topics in Industrial Engineering	3		

IENG625	Data Analysis and Decision Models	3		
IENG630	Financial Engineering	3		EENG500L
IENG635	Food Engineering	3		
IENG640	Fundamentals of Petroleum and Petrochemical Engineering	3		
IENG655	Simulation of Production and Service Systems	3	IENG510	
IENG665	Oil and Gas Production Logistics	3		
IENG670	Advanced Engineering Economic Analysis	3		
IENG675	Computational Optimization	3		
IENG680	Food Manufacturing Processes	3		