UNIVERSIDAD ANA G. MÉNDEZ
UAGM

Maestría en Ciencias en Gerencia de Ingeniería
Master of Science in Engineering Management
30 créditos

Academic Division: Engineering, Design & Architecture **Department:** Engineering **Effective:** August 2025

CURRICULUM

Core Component - 12 credits

Cursos	Créditos	Título	Prerrequisito
IMEN 510	3	Engineering Management	Admission to program
IMEN 551 or TCOM 513	3	Engineering Project Management or Information Technology (IT) Project Management	Admission to program
IMEN 610	3	Statistics for Decision Modeling	Admission to program
IMEN 620	3	Advanced Enterprise Continuous Improvement	Admission to program

Specialization Component - 12 credits

Cursos	Créditos	Título	Prerrequisito
IMEN 630	3	Supply Chain Management for Engineers	Admission to program
IMEN 617	3	Risk Management Process	Admission to program
IMEN 618	3	Entrepreneurship & Management	Admission to program
IMEN 645	3	Analytics for Decision Making	IMEN 610

MSEM Electives - 6 credits

Cursos	Créditos	Título	Prerrequisito
IMEN 503	3	Cost Analysis and Estimating for Engineering and Management	Admission to program
IMEN 504	3	Industrial Safety	Admission to program
IMEN 515	3	Data Mining and Predictive Analytics	Admission to program
IMEN 516	3	Design of Experiments	Admission to program
IMEN 530	3	Process Validation for Quality Management Systems	Admission to program
IMEN 640	3	Design and Operation of Logistics Networks	Admission to program
IMEN 660	3	Thesis	18 credits approved & advisor's permission
IMEN 650	3	Graduate Project	Approved proposal & advisor's permission
CIEN 570	3	Construction Management	Admission to program
ACCO 515	3	Managerial Accounting	Admission to program
HURM 710	3	Human Resources Management	Admission to program
MANA 501	3	Organizational Development and Behavior	Admission to program
MSPA 520	3	Administrative Law and Ethics	Admission to program
MEEN 641	3	Sustainable Energy	Admission to program
MEEN 642	3	Grid Integration & Sustainable Systems	MEEN 641
MEEN 643	3	Energy Management, Policy & Ethics	Admission to program
MEEN 644	3	Photovoltaic Energy Conversion	Instructor's permission
MEEN 645	3	Wind Energy	Instructor's permission
MEEN 646	3	Solar Refrigeration and Air Conditioning	Instructor's permission

EVALUACIÓN ACADÉMICA PRELIMINAR DISCUTIDA CON EL ESTUDIANTE.
LA MISMA PUEDE ESTAR SUJETO A CAMBIOS.

Total de créditos:
_____ Aprobados
_____ Por aprobar

Firma del estudiante: _____ Fecha: _____

Firma del Consejero Académico: _____
Fecha: _____

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CURRICULAR SEQUENCE

First Year

First Semester				Second Semester			
Course	Credits	Approved	In Progress	Course	Credits	Approved	In Progress
IMEN 510	3			IMEN 620	3		
IMEN 630	3			IMEN 617	3		
				IMEN 551 o TCOM 513	3		
Total	**6**			**Total**	**9**		

Second Year

First Semester				Second Semester			
Course	Credits	Approved	In Progress	Course	Credits	Approved	In Progress
IMEN 618	3			IMEN 645	3		
IMEN 610	3			Elective	3		
Elective	3						
Total	**9**				**6**		

Notes:

1. Subject to change.