



Master of Science in Engineering Management pathway LONE STAR COLLEGE

To receive a Master of Science in Engineering Management, students must complete at least 58.5 quarter units of required courses. A total of 9.0 quarter units of graduate credit may be granted for equivalent graduate work completed at another accredited institution, as it applies to this degree, and provided the units were not used in earning another advanced degree. Candidates for the program must possess a bachelor’s degree in engineering, engineering technology or physical sciences or a closely related area from an accredited university. Interested students from other disciplines may be admitted to the program but may be required to complete additional courses.

- Each course is four weeks long.
- The MSEM program is 13-14 months long.

Click [here](#) for NU catalog and detail information about the program.

PROGRAM PREREQUISITES (1 course; 4.5 quarter units)	
Lone Star College	National University
No course equivalency	* CSC 220 Applied Probability & Stats.
CORE COMPETENCY COURSES (9 courses; 40.5 quarter units)	
ENM 600 Engineering Mgmt Concepts	Capstone Requirements
ENM 601 Project Management Principles	ENM 607A Capstone Course I
ENM 602 Risk, Contracts, and Legal Iss	ENM 607B Capstone Course II
PME 602 Skills Management	ENM 607C Capstone Course III
ENM 604 Quality Management	
TMG 610 Global Trends in Technology	
AREA OF SPECIALIZATION (4 courses; 18 quarter units) Stu All students must choose ONE Area of Specialization defined below.	
Specialization in Project Management	Specialization in Systems Engineering
ENM 603 Operation Management	SYE 600 Introduction to Systems Design
PME 601 Advanced Project Management	SYE 601 Systems Analysis & Design Eval
PME 603 Product Management	SYE 602 Advanced System Design
PME 604 Project Financing Management	SYE 603 System Dynamics

* This course may be waived if an equivalent has been completed at the undergraduate-level with a grade of “C” or better.