

# Master of Science Manufacturing Systems Management

COMPETING SUCCESSFULLY IN A GLOBAL ECONOMY

From Fortune 500 giants to independent job shops, manufacturing is undergoing a revolution driven by the need for rapid, flexible response to rising global competition, increasing supply chain complexity, outsourcing, off-shoring, consolidation, and automation.

This brave new manufacturing world places a very high value on professionals who understand the importance of six sigma and financial metrics to manufacturing in the 21st century. Without this expertise, your path to the future may be blocked or unrewarded. Now is the time to enroll in the Manufacturing Systems Management program at SMU.

Developed in consultation with industry leaders, this interdisciplinary Master of Science offering explores the role of manufacturing strategy within the overall enterprise. You'll learn how to more effectively speak the language and metrics of senior management... recognize the real and important distinction between professional managers and owner-entrepreneurs... adopt the latest concepts of organizational leadership... successfully integrate available technology with your manufacturing problems... and improve your working relationships with peers, subordinates, and upper management, in order to gain the support your initiatives deserve.



## 30 Hours to a Richer Future

Located in Dallas, a vibrant international city and center for high technology companies, SMU has developed a reputation for providing 30 hour Master of Science programs that go beyond the basics — programs that produce truly imaginative and innovative leaders needed by existing and emerging businesses. If you're interested in taking the courses, but not in obtaining a complete Masters degree, you can enroll as a non-degree student. On successful completion of requisite coursework, you will receive a Professional Certificate in Manufacturing Management Fundamentals.

**At SMU, we're engineering leaders...shaping tomorrow. Enrollment is limited. Apply today.**

## Hybrid Executive Format Delivery System

SMU's MSM program is carefully designed to meet customer requirements, delivering the ideal blend of live Web conferencing and recorded lecture via streaming media to busy professionals at home and across the nation. For each 3-hour course, students receive 40 hours of instruction in a total of five 8-hour sessions during the semester in which they are enrolled. The five class sessions are split into four hours of recorded lecture and four hours of virtual conferencing with the professor and other students in the program. Participants have Internet access to lecture content one to two weeks prior to a Web conferencing session conducted live every other Saturday, following the off-weekend schedule of the Fortune 100 defense corporations with operations in the Dallas/Fort Worth metro area. Students take only one course at a time with Course A held during the first half of the term and Course B during the second half. Students may take either one or two courses during the semester, setting their own pace for career advancement in a rapidly evolving business climate.

## ADMISSION REQUIREMENTS

Bachelor of Science in one of the engineering disciplines, or in a closely related scientific field with a GPA of at least 3.00 on a 4.00 scale.

## Degree Plan

Entrepreneurship and Business Development in Manufacturing\*  
Organizational Leadership\*  
Computer Integrated Manufacturing Systems  
Manufacturing Methods and Systems  
Manufacturing Management\*  
Lean Manufacturing and Six Sigma  
Strategies for Manufacturing  
Global Manufacturing  
Innovation Management  
Finance and the Manufacturing Enterprise\*

\*A Professional Certificate may be earned upon successful completion of three of the four courses denoted.

For more information, please contact Michael Paulk (817-601-7224) or Abigail Smith (214-768-4661), or email [engineeringleaders@smu.edu](mailto:engineeringleaders@smu.edu).

Or visit [www.lyle.smu.edu/me/msm](http://www.lyle.smu.edu/me/msm)



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