



Master of Science in Technical Management

Program Summary

The Master of Science in Technical Management (MSTM) program is designed to prepare students to become technical managers in their respective STEM fields. Program participants will gain new technical abilities and learn business acumen from seasoned faculty.

The backgrounds of students in the program range from experienced professionals preparing for the next promotion to recent graduates anticipating someday managing their own practices. The diversity of the students fuel a rich interdisciplinary experience in each class.

Admissions Requirements

The MSTM program accepts applicants that have an undergraduate degree in Science, Technology, Engineering or Mathematics (STEM) and have at least one year of industrial experience, research experience or permission of the Program Director. Applicants with degrees in physical sciences are encouraged to apply.

Degree Requirements

The MSTM degree requires 36 credit hours beyond the baccalaureate degree: 15 credit hours in MSTM core courses, 6 credits in Business Electives and 15 credit hours in STEM technical areas of interest.

Required Engineering Management Core Courses (15 credit hours)

EMGT 5010: Management and Leadership of a Technical Workforce	3 cr. hrs.
EMGT 5020: Economic Consideration of Technical Businesses	3 cr. hrs.
EMGT 5030: Financial Decision Making for Technical Industries	3 cr. hrs.
EMGT 5040: Administration of Technical Businesses	3 cr. hrs.
EMGT 5110: Technical Decision Analysis	3 cr. hrs.

Business Management Electives Courses (6 credit hours)

Choose two 5000-level courses from any STEM technical discipline.

Technical Electives Courses (15 credit hours)

Choose five 5000-level courses from any STEM technical discipline.

Concentrations: (9 credit hours) Concentrations are offered in the following areas:
Quality Management, Six Sigma Methodologies, or Innovation

For more information, please visit: eng-sci.udmercy.edu/academics/engineering/technical-management

Contact

Dr. Darrell Kleinke – Director of Graduate Programs
kleinked@udmercy.edu (313) 993-1140 Office: Engineering Building – Room 214

Dr. David Pistrui, Director, Graduate Recruiting, (313) 993-3378 Office: Engineering Building – Room 270
pistruda@udmercy.edu

Valarie Steppes-Glisson – MSTM Administrator
glissovs@udmercy.edu (313) 993-1128 Office: Engineering Building – Room 270