

# MASTER OF SCIENCE DEGREE IN APPLIED MANUFACTURING ENGINEERING

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This program is designed for engineering and science professionals and new graduates who desire to improve their ability to solve real-world problems in manufacturing. The program will emphasize key and essential engineering concepts and allow students to pursue discipline specific subjects consistent with their employment environment or interest.

Students with 4 year degrees from an ABET accredited engineering program will be admitted without any additional requirements. Students from STEM disciplines may be admitted if they have passed at least two courses in Calculus.

## Curriculum requirements for the MS in Applied Manufacturing Engineering

Code	Title	Hours
ENMF 506	Quality Management and Six Sigma	3
ENMF 600	Applied Engineering Programming	3
ENMF 602	Advanced Applied Engineering Mathematics	3
ENMF 603	Advanced Engineering Principles	3
ENMF 604	Precision Control and Automated Manufacturing	3
or ENMF 606	Bio-Engineered Products	
ENMF 605	3D Modeling for Manufacturing Industries	3
or ENMF 607	Advanced Applied Chemical Process Engineering	
ENMF 608	Manufacturing Systems Design and Economics	3
ENMF 609	Preventative Maintenance and Reliability Engineering	3
ENMF 610	Engineering Analysis and Simulation	3
MG 585	Project Management	3
or MG 670	Leading High Performance Teams	
or CIS 644	Business Process Integration with ERP Systems	
Total Hours		30