MS Engineering Management
Revised Competencies/Outcomes 7/10/23

This major prepared me to:

Become a technically competent managerial professional.

Demonstrate excellence in oral and written communication.

Recognize the basic theories and principles of science, mathematics, engineering, and technology.

Apply concepts and develop skills in a variety of technical disciplines, including leadership, technical processes, operations, projects, systems, quality, risk, and self-management.

Apply human, social, and behavioral science theories, concepts, and principles.

Demonstrate knowledge of technological processes and applied contexts.

Engage in decision-making using data collection, scientific modeling, and analysis.

Practice advanced techniques for projects, operations, resource allocation, and quality management.

Show evidence of engineering technology management expertise in one or more areas of study.

In addition, the following competencies are generally applicable.

Program graduates will be able to:
- Communicate effectively
- Demonstrate critical thinking and problem solving skills
- Demonstrate knowledge of global cultural diversity
- Recognize health and safety issues as practiced in the business and industrial sectors
- Utilize fundamental research skills and qualitative and quantitative analysis as part of problem solving
- Practice fundamental managerial skills used leaders in business and industry
- Use information technology in the performance of their role as a supervisor /manager.
- Promote fiduciary responsibility and practice conservation in the workplace
- Demonstrate an understanding of legal industry practices while working in an ethical manner
- Promote civic and professional responsibilities as member of society