

## Master of Technology Management – Quality Systems Specialization

The Master of Technology Management degree requires a minimum of 30 credit hours

<u>MTM Core Courses (9 hrs.)</u>	<u>MTM – QS Program Electives (15-18 hrs.)</u>
<p><b>TECH 6200</b> Project Management in Applied Engineering (3)</p> <p><b>TECH 6030, IDT 6030 or STAT 6010</b> Data Analysis and Decision Making (3)</p> <p><b>TECH 6790 or IDT 6790</b> Research &amp; Development in Technology (3)</p>	<p>QS 5270      Synchronous Quality Planning</p> <p>QS 6160      Quality Culture Assessment</p> <p>QS 6260      Six Sigma Systems Analysis</p> <p>QS 6270      Lean Systems Analysis</p> <p>TECH 6020    Instrumentation and Control</p> <p>TECH 6040    Technology of Concurrent Engineering</p> <p>TECH 6280    Computer Automated Manufacturing</p> <p>TECH 6500    Seminar in Renewable Technologies</p> <p>TECH 6710    Automation &amp; Robotics in Manufacturing</p> <p>TECH 6440    Engineering Economics &amp; Technical Strategic Management</p> <p>TECH 6800    Seminar in Technology</p> <p>TECH 6820/30    Topics in Technology</p> <p>TECH 6840/50    Readings &amp; Problems in Technology</p> <p>TECH 6880/90    Graduate Internship—Ind study</p> <p>TECH 6905    Research Proposal Development Ind study</p> <p style="text-align: center;">Or select any other 5000 or 6000 level course with advisor approval</p>
<p style="text-align: center;"><u>Synthesis Courses (3-6 hrs.)</u></p> <p><b>Thesis Track</b></p> <p><b>TECH 6990</b> Thesis Research (6)</p> <p><b>Non-Thesis Track</b></p> <p><b>Project</b></p> <p><b>TECH 6910</b> Directed Research in Technology (3)</p> <p style="text-align: center;"><u>or</u></p> <p><b>Capstone</b></p> <p><b>TECH 6960</b> Supervised Practicum in Applied Engineering (Capstone) - (3)</p>	

**Notes:**

- 1) Thesis - A formal exposition advancing a new point of view resulting from research. A MTM thesis shall be compliant with the guidelines and requirements defined in the BGSU Thesis and Dissertation Handbook and the requirements of the program, school and College of Technology and Applied Engineering.
- 2) Project - A formal exposition conveying information learned through reading and/or experimentation. The MTM project requirements are guided the BGSU thesis requirements but does will not require a submission to the Graduate College following the departmental graduate faculty approval.
- 3) At least 18 credit hours of 6000 or higher-level courses must be taken.
- 4) No more than three independent study courses (TECH 6800/6820/6830/6840/6850 /6940/6950) and one internship (TECH 6880/6890) can be applied to this MTM program.
- 5) MTM core and a number of the elective courses have been approved for distance learning.
- 6) Quality Systems Students selecting the project track **must** take TECH 6905 prior to TECH 6910. Both courses must be taken in the project track.