Master of Technology Management – Quality Systems Specialization

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

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

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 BGSU thesis requirements guide the MTM project requirements but does 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.