

Outcomes Assessment and Program Improvement

Master of Science in Technology Management

SECTION 1 – PAST ASSESSMENT RESULTS

The M.S. Technology Management is a new program. The first cohort began in fall 2005. Following is the initial assessment plan.

SECTION 2 – REVISED ASSESSMENT PLAN

1. Plan Development Process

Beginning in 2005, the Director of Assessment met with the faculty program director of the newly conceived Master of Science in Technology Management Program. As part of the campus approval process for new degree programs a plan for student assessment must be included. Through multiple iterations with the program director and instructional faculty for the capstone course, the following plan was developed.

2. Desired Student Outcomes

The Master of Science degree in Technology Management is a new degree program that, due to a recognized need for a specific focus on managing technology, grew out of Master of Science in Business Administration with an emphasis in Technology Management. The Technology Management Program is a curriculum specifically designed for current and future business leaders. This MS degree in Technology Management (MS Tech) illustrates the merging of business and technology in all industries and provides graduates the critical skills for future success. It equips students with the confidence and the competence to initiate, to anticipate, and to respond to the fast-evolving technological advances that define today's business landscape.

The M.S. in Technology Management curriculum program goals and learning outcomes are:

□ Basic Disciplinary Competence

Students will demonstrate a basic understanding of all the functional areas of business.

□ Specialized Disciplinary Competence

Students will understand how to utilize technology to solve business problems.

□ Critical Thinking & Problem Solving

Students will demonstrate an ability to integrate different functional areas in solving an enterprise-level business problem.

□ Leadership & Teamwork

Students will use team building and high-performance management behaviors to lead a team task those results in effective team performance.

□ Communication Skills

Students will demonstrate effective oral and written communication skills.

3. Measures and Methods Used to Measure Outcomes

□ Basic Disciplinary Competence

Course embedded assessment: Appropriate application of concepts & tools learned during the M.S. – Technology curriculum. Most specifically, the ability to apply:

- Porter’s Five Forces
- Strategic Coherence Mapping
- Sales Forecasting
- Project Planning, and,
- Organizational Strategy

This assessment is completed annually during the final semester of the program and includes 100% of the class.

□ Specialized Disciplinary Competence

Course embedded assessment: Evaluation of the final written report. The report must produce value-added solutions and recommendations that can be realistically implemented by the client.

This assessment is completed annually during the final semester of the program and includes 100% of the class.

□ Critical Thinking & Problem Solving

Course embedded assessment: Team capstone project that; (1) Clearly identifies the challenges of the issue presented, (2) Identifies integral relationships essential to analyzing the issue, and (3) Clearly proposes solutions to those issues.

This assessment is completed annually during the final semester of the program during the capstone course and includes 100% of the class.

□ Leadership & Teamwork

At the completion the program, students evaluate their group members anonymously on teamwork and leadership skills. Students must score >3 on a 5 point scale on the following attributes:

- Preparedness for meetings
- Timeliness of assignments

- Completion of assigned tasks
- Thoroughness of completed tasks
- Reliability
- Peer relationship
- Subordinate relationship
- Superior relationship

This assessment is completed annually during the final semester of the program and includes 100% of the class.

□ Communication Skills

Course embedded assessment: Written assignments are clear and concise with no grammatical errors.

Course embedded assessment: Oral presentations (per the videotaped student presentations) will be evaluated for proper attire, presentation skills, audio-visual quality of materials, and appropriate content.

This assessment is completed annually during the final semester of the program and includes 100% of the class.

SECTION 3 – PROCESS FOR USING THE RESULTS

1. Plans for Using Results

The Outcomes Assessment Process is managed by the Director of the Technology Management Program Education in consultation with the Business Administration’s Graduate Advisory Committee. Results are shared annually and recommendations for curriculum improvements are made if indicated.

2. Timeline for Implementation

The rubric was activated with the 2006-2007 graduating class and will continue to be refined going forward.

3. Results

Percent of M.S. Tech Students meeting standards on Program Goals

	'06-'07 (N=47)	'07-'08 (N=63)
Basic Disciplinary Competence	100%	
Advanced Disciplinary Competence	100%	
Critical Thinking & Problem Solving	100%	
Communication Skills	100%	
Teamwork	100%	