

MS QUALITY ASSURANCE



MASTER OF SCIENCE QUALITY ASSURANCE

- MSQA Concentration in Manufacturing
- MSQA Concentration in Service and Health Care

ADMISSIONS REQUIREMENTS:

- Hold a four-year baccalaureate degree in a technical field from an accredited institution (or, if in a non-technical field, receive approval from the QA Program Academic Coordinator).
- Have a background which includes preparation in both college level mathematics and computer concepts. (In some cases, conditional admission will be considered subject to completion of undergraduate prerequisite course work. All conditional admissions are subject to approval by the QA Program Academic Coordinator.)
- Achieve a grade point average of 2.5 (four point scale) in their bachelors degree. Students with a grade point average of below 2.5 and have a background in quality assurance may also be considered for admission.
- Be in official “good standing” at the last educational institution attended.

APPLICATION DEADLINES:

Fall - **July 15** and Spring - **November 1**

CONTACT INFORMATION

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The online **Master of Science in Quality Assurance (MSQA)** degree program is designed to prepare professionals in quality, engineering, science, management, health care, government, and service industries for career advancement.

Topics covered include Total Quality Management (TQM), Six Sigma, ISO 9000, reliability, benchmarking, process improvement, quality control, human factors in quality assurance, measurement and testing techniques, quality project management, productivity, quality function management, and customer satisfaction.

Quality Assurance is an interdisciplinary profession utilized in all areas of management in manufacturing, service, government, and health care organizations. The career opportunities in this rapidly growing field are excellent, as the demand for graduate Quality Assurance professionals continues to increase. Participants in the program receive education in both the technical and administrative foundations of this dynamic field. Graduates will have been trained in current practices and methods required by management for implementing and improving operational performance and customer satisfaction.

PROGRAM GOALS AND OBJECTIVES

In order to help manage and lead today's organization toward the objective of "total quality," an interdisciplinary approach is taken to blend study in management, quality concepts, and statistical tools. The curriculum is designed to meet the needs and interests of the working professional, with relevant theoretical and practical course work, independent study, interaction with fellow students and leading learning experience.

A unique feature of the program is the opportunity students have to customize their program of study to include areas of personal and professional interest.

BENEFITS

During the course of the program students will acquire knowledge and skills from among the following areas, chosen to appeal to professionals seeking a unique and satisfying interdisciplinary experience:

- Managing a quality organization.
- Planning and implementing a quality assurance program.
- Troubleshooting and solving quality problems both administrative and technical.
- Incorporating quality concepts and human factor techniques in the design of organizational operations.
- Creating and managing supplier control systems.
- Developing and analyzing statistical process control charts.
- Developing and analyzing acceptance sampling plans.
- Designing experiments (analysis of variance techniques).
- Performing quality cost analysis.
- Performing reliability, maintainability, and safety systems reviews.
- Performing quality system audits.