



## Quality Management Certificate

For more information on the Quality Management Certificate Program, contact **Dr. S. Jimmy Gandhi** at the Manufacturing Systems Engineering & Management Dept

**Email:**

[sj.gandhi@csun.edu](mailto:sj.gandhi@csun.edu)

**Phone:** (818)677-6157

**Jointly offered by the Manufacturing Systems Engineering & Management Department and The Department of Systems and Operations Management.**

### Program Description

The Quality Management Certificate program is designed for post-baccalaureate individuals seeking access to or advancement in quality-related professions.

### Areas of knowledge attained by certified professionals:

- Fundamental principles of quality management and control
- Lean processes
- Quality applications in project or service environments,
- Specialized quality management methods
- Six Sigma

### Program Requirements:

#### A. Requirements for Admission

Admission to the Quality Management certificate program requires that applicants:

Hold a bachelor's degree from an accredited institution.

Provide evidence of satisfactory completion of an undergraduate statistical methods course, such as SOM 307 or MSE 362, within four years of admission to the program.

Provide evidence of basic word processing and spreadsheet software skills.

Be approved by the department graduate coordinator.

#### B. Program Course Requirements

The Quality Management Certificate program is structured with 6 units of required coursework and 9 units of restricted elective courses for a total of 15 semester units. There are two sets of restricted elective courses, and at least one 3-unit course must be selected from each set.

##### 1. Required Core Classes (Total of 6 units)

**Complete the following course:**

MSE 507 Lean Manufacturing Systems (3)

**Select 3 units from the 2 courses listed below:**

SOM 467 Quality Management and Control (3)

SOM 667 Total Quality Management (3)

##### 2. Electives (Total of 9 units from Section A and Section B)

**Section A: Select at least 3 units from the courses listed below:**

MSE 513 NDE Methods and Analyses (3)

MSE 514 Reliability and Maintainability (3)

MSE 610 Engineering Supply Chain Systems (3)

MSE 617 Seminar in Quality Management (3)

MSE 618 Six Sigma Quality Engineering (3)

**Section B: Select at least 3 units from the courses listed below:**

SOM 466 Project Management (3)

SOM 468 Managing for Service Excellence (3)

SOM 666 Project Planning and Policy (3)

#### C. Certificate Program Completion Requirements

Criteria for the awarding of the Certificate in Quality Management are:

Complete the 15 units of program course requirements with a minimum program GPA of 3.0.

Earn no grade lower than a "B-" in any individual course.

Satisfactorily complete all program course requirements within 3 years of program admission.

Submit application for the award of the certificate to the department graduate coordinator.

**Total Units for the Certificate: 15**