

Master of Science in Quality Assurance(30 units)

Admission Requirements

To be admitted into the Master of Science in Quality Assurance Program, students must meet the following requirements:

1. Meet all CSU Dominguez Hills graduate admission requirements.
2. A baccalaureate degree from a four-year accredited institution is required. An undergraduate major in engineering or science is preferred. Please see the note below.
3. A grade point average of at least 2.75 in the last 60 semester units of upper division course work attempted.
4. Good standing at the last institution attended.
5. Meet all other university admission requirements.

Note: Individuals from other undergraduate disciplines who demonstrate exceptional promise may be admitted to the program, pending completion of additional undergraduate prerequisite coursework or other demonstrations of competence as determined by the Quality Assurance Academic Program Committee. All special admissions are subject to approval by the Quality Assurance Academic Program Committee.

Degree Requirements

1. Complete 33 semester units of approved graduate work.
2. Complete at least 24 semester units in residence.
3. Successfully complete the major courses listed below.
4. Complete all coursework with a grade point average of at least 3.0 (B).
5. Complete a culminating project or thesis.
6. Successfully complete the Graduation Writing Assessment Requirement (GWAR).
7. In addition to the major requirements, students must meet all university requirements for the master's degree. Students should consult the section of the University Catalog entitled "Requirements for the Master's Degree."

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MSQA students choose from one of the following two programs. Each student should contact the MSQA coordinator prior to taking classes.

A. Common Courses (9 units)

- QAS 511 Quality Function Management and TQM (3)
- QAS 515 Human Factors in Quality Assurance (3)
- QAS 518 Quality Project Management and Productivity (3)

B. Manufacturing Option

1. Required Courses (15 units)

- QAS 510 Advanced Probability and Statistics (3)
- QAS 512 Reliability (3)
- QAS 513 Statistical Quality Control and Sampling (3)
- QAS 514 Advanced Experimental Design (3)
- QAS 516 Measurement and Testing Techniques (3)

C. Service and Health Care Option

1. Required Courses (9 units)

- QAS 530 Statistical Quality Control (SQC) for Service Professionals (3)
- QAS 531 Customer Satisfaction and Quality Assurance (3)
- QAS 532 Quality Assurance of the Service Delivery Process (3)

D. Electives (6 - 12 units)

Students in the Manufacturing Option take 6 units. Students in the Service & Health Care Option take 12 units

QAS 521 Process Control and Capability (3)
QAS 522 Applied Systems Reliability, Maintainability and Safety (3)
QAS 523 Software Reliability (3)
QAS 525 ISO 9000 & The Audit Function (3)
QAS 526 Supplier Quality Assurance (3)
QAS 527 Quality Measurement (3)
QAS 534 Change Management (3)
QAS 535 Lean Manufacturing (3)
QAS 536 Six Sigma Principles and Applications (3)
QAS 537 Quality Function Deployment: Understanding Customer Requirements (3)
QAS 538 Evaluation and Outcome Analysis for Healthcare Delivery (3)
QAS 539 Good Manufacturing Practices (3)
QAS 540 Food and Drug Law (3)
QAS 541 Biomedical Quality Control Methods (3)
QAS 542 Risk Management in FDA Regulated Industries (3)
QAS 594 Ind Study In Assurance Science (1-4)
QAS 595 Special Topics by Directed Study: Quality Assurance Applications (3)
QAS 598 Directed Research (3)
QAS 599 Project (3)

E. Capstone
Comprehensive Exam