

MASTER'S DEGREE IN ENGINEERING AND QUALITY MANAGEMENT, ITESO



This degree program trains professionals who can improve efficiency and competitiveness in organizations through statistics, system design, and good quality management practices.

THIS PROGRAM IS FOR YOU:

Professionals working in business, government, teaching, or research settings; interested in developing skills for the continuous improvement of products, services and methodologies in order to increase competitiveness in your sector. Professional studies in the field of engineering are recommended.



This degree program offers you a healthy balance of professional updating, research, and innovation. It is consistent with social needs, and addresses and responds to the challenges in local and global environments.

REASONS TO STUDY AT ITESO:

- You develop competencies in the application of advanced statistical techniques, to identify, analyze, and bring about improvements in quality, influencing the productivity and competitiveness of companies and organizations. You learn and understand the organizational environment and design efficiently managed sustainable quality environments, in compliance with international standards, as well as humanistic values and attitudes.
- You take courses taught face-to-face by highly recognized research professors in the field of statistics, experienced consultants in the field of quality, who combine theory, case analysis, and practice in the workplace. Courses are taught regularly during the spring and fall semesters, and intensively in the summer period.

Contact Information:

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MASTER'S
DEGREE
IN ENGINEERING
AND QUALITY
MANAGEMENT, ITESO



Fundamentals:

Four required courses

Electives:

Choose four courses from this curricular program or from any ITESO graduate program, depending on your personal project and in coordination with your academic advisor.

! Examples of courses from other degree programs:



You can design your curricular route and strengthen different specialization areas by combining courses from different programs.

Economics, industry, and strategy
Applied statistics
Sustainable quality management
Regression analysis

Line of study: Engineering (statistics)

Statistical control for quality
Experiment design and optimization
Reliability
Lean Six Sigma

Line of study: Quality Management

Quality management techniques and tools
Integrated management systems
Management of organizational change processes
Customers and quality services

Business

Financial decisions
Innovation, opportunity, and entrepreneurship

Marketing

Marketing management

Applied Informatics

Cloud applications and services
Management of IT services

Research, Development, and Innovation (final project):

Four required RDIs.

RDI 1: Research, Development, and Innovation 1/ Define topic or problem
RDI 2: Research, Development, and Innovation 2/ Design project
RDI 3: Research, Development, and Innovation 3/ Develop project
RDI 4: Research, Development, and Innovation 4/ Develop and complete project

! Total: 8 courses plus 4 Research, Development, and Innovation seminars = 80 credits in two years following the suggested route.



Term 1

Economy, industry, and strategy
Applied statistics
Research, Development, and Innovation 1

Term 2

Sustainable quality management
Regression analysis
Research, Development, and Innovation 2

Term 3

Elective
Elective
Research, Development, and Innovation 3

Term 4

Elective
Elective
Research, Development, and Innovation 4

Program coordinator:

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The subjects in this study plan are subject to constant updating, and changes can be made to their order or content.

Recognition of Official Validity of Studies (RVOE) by the Ministry of Public Education as set forth in Ministerial Agreement No. 15018, published in the Official Journal of the Federation on November 29, 1976.



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