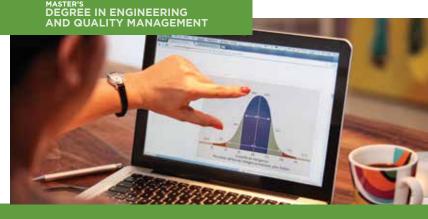
MASTER'S DEGREE IN ENGINEERING AND QUALITY MANAGEMENT, ITESO



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:

ITESO, Jesuit University of Guadalajara Graduate School Admissions Office (33) 3669 3569 / 01 800 364 2900 posgrados@iteso.mx posgrados.iteso.mx iteso.mx



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:

Research, Development, and Innovation (final project):

Four required RDIs.



Term 1

Economy, industry, and strategy
Applied statistics

Research, Development, and Innovation I

Term 2

Sustainable quality management
Regression analysis

Research, Development, and Innovation 2

Term 3

Elective

Elective

Research, Development, and Innovation 3



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

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 4

Elective

Elective

Research, Development, and Innovation 4

Program coordinator:

Rafael Velázquez Atilano Tel. (33) 3669 3434, ext. 3115 rafael@iteso.mx

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.





