



Arab Academy for Science,
Technology & Maritime Transport
Productivity & Quality Institute



Post Graduate Studies



Master Program

Since 1994, Productivity and Quality Institute (PQI) is committed to provide quality solutions to its local and regional customers' to drive their business processes forward. PQI is targeting all levels of management as well as specialist and line level employees. To keep our prominent position in the market, PQI always maintain an exceptional learning environment that produces graduates with global mindset.

Accreditation

PQI Master degree program is accredited by the Egyptian Supreme Council of Universities



Master Program Structure

Program

The degree requires a minimum of two years (4 semesters) to study 12 courses, and submit a thesis to earn the degree.

Study Program

First Semester

- Contemporary Management
- Quality Assurance Concepts & Systems
- Statistics for Management decisions
- Competing in a global environment

Second Semester

- Management Information Systems
- Statistical Quality Control
- Quality Management
- Research Methodology

Third Semester

- Group Dynamics
- Customer Relationship Management
- Thesis Part I

Fourth Semester

- Advanced Topics In Quality Management
- Business Process Re-engineering
- Thesis Part II

Program Outcomes

PQI program offers master students the following:

1. Master Degree in Quality Management (after fulfilling the program requirements)
2. Bronze Lean Manufacturing Certificate (after passing its international assessed exam).
3. Green Belt Lean Six Sigma Certificate (after passing its international assessed exam).
4. Lead Auditor in ISO 27001(after passing its international assessed exam).
5. OSHA (after passing its international assessed exam).
6. Lead Auditor in ISO 9001(after passing its international assessed exam).
7. Lead Auditor in ISO 14001 (after passing its international assessed exam).

PQI program equips master students with the following practical/managerial skills:

- Ability to formulate organization strategic objectives and cascade these objectives among organization business units.
- Identifying performance measures required to monitor and improve organizational / departmental performance.
- Identifying market/customers' requirements and benchmark organization performance against competitors.
- Identify, select and use the appropriate tool(s) to analyze business processes/activities and investigate the root cause of an issue/constraint/problem and propose appropriate list of solutions.
- Effectively participate/manage multifunction teams to improve/redesign products/services that match customers' expectations.
- Prepare a professional risk assessment through identifying, prioritizing and responding to potential risks.

PQI program equips master students with the following practical/technical skills:

- Ability to interpret, implement, and review different international standards requirements.
- Ability to plan, organize, and execute effective audits against different international standards.
- Applying incremental improvement projects through applying Lean principles.
- Applying breakthrough improvement initiatives through applying Lean Six Sigma Methodology.
- Applying overall equipment effectiveness (OEE) to determine the causes for inappropriate effectiveness and identifying improvement paths.
- Use the EFQM model and RADAR scoring matrix technique to assess organizational strengths and identify required areas for improvement.

Admission Requirements

- Applicants must hold a university graduate degree from an accredited university or college.
- A total Grade of at least good or equivalent is required

Admission Process

- Official Certificate for each of the colleges or universities attended for review and a copy must be submitted.
- Copy of passport or identification card.
- Completed Student Details Application.
- Financial plan (if sponsored)
- Acknowledgement of not being registered in any other postgraduate track.
- An acceptance letter from the embassy council (for foreigners).