



MASTER'S IN **PROCESS IMPROVEMENT**

RPC-SO-28-No. 356-2015

Choose **ESPOL**



INSTITUTIONAL
PRESTIGE



INTERNATIONAL
PARTNERSHIPS
AND ALLIANCES



EXCLUSIVE CAMPUS
LOCATION



MODERN
INFRASTRUCTURE



ENGAGEMENT
WITH SOCIETY



EMPLOYABILITY

6,897
GRADUATES

126
INTERNATIONAL
ALLIANCES

Institutional **Awards:**



**SUSTAINABLE
DEVELOPMENT GOALS**

About the **program**

The **Master's in Process Improvement** program is designed to develop technical skills in manufacturing and service organizations' professionals engaged in continuous improvement activities. This is achieved by applying quality engineering tools and continuous improvement methodologies.

The program's modules are structured to enable students to become change agents in their organizations. They learn to apply globally proven continuous improvement methodologies, supported by advanced technological tools, to effectively and efficiently manage business processes.



****FIMCP - Graduate Follow-up Survey.***



Hear from our **graduates:**

"When I decided to pursue the Master's in Process Improvement, I chose a program that would equip me with the knowledge needed to drive real transformation and improvement in processes. Thanks to the tools acquired during the program, I am now an active advocate for change and continuous improvement within my organization."

Alex **Pacheco Bajaña**
Senior Process Specialist - **Grupo INTACO**



¿Why are we your **best option**?

Lean Six Sigma Green Belt Certification

As part of the master's program, students can earn the Lean Six Sigma Green Belt Certification. Participants complete 4 courses from the curriculum and carry out a project using Lean Six Sigma methodologies.

The Program Includes:

- ✓ A diploma upon successful completion of all required modules.
- ✓ Digital learning materials for each course.
- ✓ Lean Six Sigma Green Belt Certification upon completion of the relevant modules and project.



Licenses and **Learning Platforms**



Additional **Benefits**



ESPOL postgraduate students receive personal accident insurance. **More details about this benefit can be found [\[here\]](#).**



Program **Details**

¿Who Should **Apply?**

Graduates with a bachelor's degree who are currently working or wish to work in process improvement, production organization, work organization, quality management, logistics, decision-making, and related fields.

Potential candidates include Industrial, Mechanical, Electrical, Civil, Chemical, Naval, Agricultural, Food Engineers, Statisticians, IT professionals, or others who aspire to improve production and service processes.

Career **Opportunities**

Graduates of this program will be equipped to enhance manufacturing and service processes involving people, machines, information, and materials by leveraging knowledge of continuous improvement techniques, mathematical models, statistical tools, and computational resources.



Learning Mode: The program combines synchronous online classes, independent work, and in-person sessions focused on practical applications (on average, two in-person sessions per month, exclusively on Saturdays).



Class Schedule:

Wednesday: 19h00 a 22h00.
Thursday: 19h00 a 22h00.
Saturday: 08h30 a 14h00.

Academic Curriculum



Duration: 1 year + thesis

First Academic Term:

1

Statistical
Methods

2

Techniques
for Process
Improvement

3

Process
Control
Systems

4

Lean
Manufacturing

Second Academic Term:

5

Decision-
Making
Techniques
and Tools

6

Operations
Research

7

Discrete
Event
Simulation and
Optimization

8

Consulting
for Process
Improvement
Projects

9

Production
and Supply
Chain Planning

10

Plant Design

11

Production
Planning
and Control
Systems

12

Project
Evaluation

Capstone project:

13

Continuous
Improvement
Project
Development



**Master's Degree
in Process Improvement**



Our curriculum is designed to enable students to successfully develop continuous improvement projects from the first semester using the **DMAIC** methodology (**Define - Measure - Analyze - Improve - Control**). This approach empowers students to effectively solve real-world challenges in their work environments.



Our Faculty:

We have a distinguished faculty with over 10 years of experience applying continuous improvement methodologies in national and international companies.



Félix Morán Subía, M.Sc.

Senior Engineering Manager - LafargeHolcim: Responsible for consolidating monthly reports, developing tools, and training for CAPEX project execution.

International Master's in Industrial Management, KTH Royal Institute of Technology, Sweden.



Cinthia C. Pérez, Ph.D.

Operational Excellence Engineer - Lyteca (Chevron Corporation).

Team Leader - Industrial Assessment Center, University of Florida.

Ph.D. in Industrial and Systems Engineering, University of Florida, Gainesville, USA.



Nestor Giraldo, MBA

Manufacturing Manager - NESCAFÉ: Oversees manufacturing for NESCAFÉ at the NESTLÉ plant in Bugalagrande, Valle del Cauca, Colombia.

Master of Business Administration (MBA) - Universidad Libre Seccional Pereira.



Carlos Ines Bartolome, M.Sc

Senior Lean Engineer - PMO, Medical Device Sector: Project Director in the medical technology industry.

Master of Engineering - MEng, Industrial Mechanics - Universidad Carlos III de Madrid (Spain). Lean Six Sigma Black Belt - Higher Institute of Postgraduate Studies and Business Development.



Emma Juaneda Ayensa, Ph.D.

Director of Production Management, Department of Economics and Business, and Academic Coordinator of Quality and Improvement Programs - University of La Rioja (Spain).

Bachelor's Degree in Business Administration and Management, European Ph.D. in Business Economics.

Admission information and requirements:

Registration open - January 2025



Scan and learn more about the Admission Process here:



Requirements:

1. Application test.
2. Academic record from your last degree.
3. Interview.
4. Bachelor's degree registered on SENESCYT.
5. Disability ID Card (if able).
6. Professional resume.
7. Academic or professional's reference letter.
8. Statement of interest.
9. Copy of bill from basic utility service (printed or digital).

For Ecuadorian applicants:

Copy of the ID card and current voting certificate in color

For foreign applicants:

Copy of the ID card in color.

Copy of Bachelor's degree legalized through consular channels and registered on SENESCYT.



Scholarship and funding:

Total Cost: \$8,500 USD

Tuition fee: \$8,000 USD | **Admission Fee:** \$500 USD

Direct funding up to 18 installments.

Scholarships
up to
25%

20% ESPOL Alumni.
Full payment.

15%

Economic status.
Employee of ESPOL or a public
company affiliated with ESPOL.
Early application (up to 15%)

10%

Disability.
Alumni from other public universities
in Ecuador.

5%

Graduate of a certification or
diploma program from FIMCP

Alumni from other private
universities in Ecuador.

Family member of an
employee of FIMCP.

Our Scholarships

15% For a group of 3 or more students.

10% For a group of 2 students.

5% Worker or active member of institution
with an agreement with ESPOL

**The requirements and conditions outlined in the scholarship guidelines for FIMCP professional master's programs apply. Approved by the Academic Council in resolution CUA-FIMCP-2023-05-18-056. Installment amounts are subject to the specific program.*

Contact us to learn more about our financing plan:



Viviana Jalón
Sales Advisor

Whatsapp: +593 96 146 6574

Phone: 04-226900 ext. 1388

Email: postgradosfimcp@espol.edu.ec

Business hours: Monday to Friday,
08h00 a 16h30.

Campus Gustavo Galindo Velasco

Km 30.5 Vía Perimetral

Guayaquil - Ecuador

Postgrados
espol[®]

 [postgradosfimcp](#)  [postgradosfimcp](#)  [company/espolfimcp](#)  [espolfimcp](#)

postgrados.espol.edu.ec

