

# HIGHER UNIVERSITY TECHNICIAN IN INDUSTRIAL PROCESSES MANUFACTURING AREA GRADUATION PROFILE

## MISSION

Provide a quality education to train professionals of Higher Technical Level University in Industrial Processes Manufacturing Area to generate integral competences in the technical and the human, in order make innovative proposals for the management of manufacturing processes and the supply chain through operations management techniques and quality assurance. To have a technological and sustainable approach that contributes to improving the operational and competitive efficiency of organizations, and / or carry out technological or social entrepreneurship projects assuming commitments to professional and labor development.

## VISION

To be the best educational option with recognized prestige for the integral formation of its students in the technical and human aspects; with a high level of relevance; with perspective of their environment and with the ability to respond according to the new skills that human resources require to face the technological and market changes of 4.0 Industry. Assume the commitment to the labor integration of the graduates, sustainability and social responsibility.

## GRADUATION PROFILE BY COMPETENCES

### GRADUATION ATTRIBUTES

Manage production through administration tools, to meet customer requirements.

Manage the supply chain, through logistics systems, to ensure the availability of materials and products.

Manage manufacturing processes, through operations management and quality assurance techniques, to contribute to the competitiveness of the organization.

Basic Sciences. Raise and solve problems based on the principles and theories of physics, chemistry and mathematics, through the scientific method to support decision-making in the scientific and technological fields.

Oral and Written Expression. Communicate feelings, thoughts, knowledge, experiences, ideas, reflections and opinions, in a clear and detailed way, on concrete and abstract topics in their professional and sociocultural context, according to level B2, independent user, of the European Framework of Reference, to base and propose improvements in organizations and contribute responsibly to sociocultural development.

Management. Act with proactive values and attitudes of excellence in their personal, social and organizational development, in harmony with their environment to develop their personal, social and organizational potential.

English. Communicate feelings, thoughts, knowledge, experiences, ideas, reflections, opinions, through simple and commonly used expressions, in a productive and receptive way in the English language according to level A2, basic user, of the European Framework of Reference to contribute to the performance of their functions in their work, social and personal environment.

### EDUCATIONAL OBJECTIVES

1. Develop innovative proposals in the management of manufacturing processes and the supply chain under a technological and sustainable approach that contributes to the improvement of continuous improvement in the organization.
2. Manage manufacturing processes, through operations management and quality assurance techniques, to contribute to the competitiveness of the organization.

3. Develop technological entrepreneurship and innovation projects oriented to their graduation profile for the creation of companies that contribute to the development of the region.
4. Maintain a permanent training that allows their updating in the technological advances of their field of work.
5. Participate in multidisciplinary groups in a collaborative manner, applying communication and leadership skills for the development of projects that contribute to the continuous improvement of the organization.

## PERFORMANCE SCENARIOS

- Public and private sector companies.
- Companies in the industrial sector of Services.
- Companies in the industrial sector of Transformation.
- Small and medium-sized industrial enterprises.
- Their own companies.

## PROFESSIONAL OCCUPATIONS

- Head of Logistics, warehouses, planning and control of production.
- Coordinator of new products and projects.
- Analyst of methods and processes.
- Head of quality assurance.
- Production Coordinator.