

HIGHER UNIVERSITY TECHNICIAN IN INDUSTRIAL PROCESSES PLASTIC AREA GRADUATION PROFILE

MISSION

Provide a quality education to train professionals of Higher Technical University level in Industrial Processes Plastics Area, with integral competences in the technical and the human, to generate innovative proposals for the management of their processes and development of plastic products through transformation technologies, under a technological and sustainable approach that contributes to improve 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. Face the technological and market changes of 4.0 Industry assuming 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.

Develop plastic products, through transformation technologies, applicable regulations and organizational policies, to contribute to the fulfillment of production goals.

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. Identify the process by which the different plastic products are made, the main variables of the transformation processes and their effect on the quality of the piece.
2. Perform the parameter setting of the machines used in the plastic transformation processes, as well as the peripheral equipment used in them.

3. Manage design software to model plastic products, selecting the right materials that guarantee the correct performance of the piece.
4. Maintain constant training in the technological advances of their field of work.
5. Participate in multidisciplinary groups in a collaborative manner, applying communication and leadership skills that contribute to the continuous improvement of processes.

▶ PERFORMANCE SCENARIOS

- Public and private companies in the industrial, commercial and service sectors.
- Areas of the organization such as: transformation and input.
- Project development, innovation.
- Design of prototypes, tools, molds and processes.
- Material logistics.
- Standardization of new products and training.

▶ PROFESSIONAL OCCUPATIONS

- Supervisor and Head of Area.
- Trainer.
- Assistant in the different areas of: manufacturing, quality, product engineering, design engineering, development and implementation of projects, innovation and development of new products.