

Professional Technician in Mechatronics

Professional Profile

The Professional Technician in Mechatronics should be able to:

- Identify technical and technological artifacts (in harmony with the environment) for the automation of the industry.
- Install and handle high precision products, controlled by programmable electronic devices that operate under different conditions.
- Maintain, repair, install and select technical means of automation.
- Install, operate, repair and maintain mechatronic systems of limited technical complexity.
- Use low and high level software, as well as the ones for specific purposes.
- Use computer systems related to its line of action.
- Participate in the operation and maintenance of industrial automatic control systems.
- Operate and maintain automation equipment, training and other devices.
- Operate mechanisms with kinematic configurations such as manipulators with different degrees of freedom, robots, intelligent wheelchairs, artificial limbs for disabled people and other systems with advanced technologies such as artificial intelligence.
- Operate and maintain mechatronic devices applied to agriculture processes and especially to the agro-industrial process of coffee, banana, blackberry and naranjilla.
- Create his/her own company based on a product or process that is easily inserted within the productive chain of the region.
- Contribute to the development of culture preserving human ??, social, ethical and moral values.
- **Professional Profile**
- The Professional Technician in Mechatronics of the Universidad Tecnológica de Pereira will be able to develop professionally in the industry in the identification, installation, handling and maintenance of equipment, industrial processes and agribusiness in the region and country.

Occupational Profile

The Professional Technician in Mechatronics of the Universidad Tecnológica de Pereira can work in positions and / or production activities such as:

- Electromechanical Assistant in different machining processes.
- Maintenance Assistant in the industry and agribusiness.
- Operator in the assembly and maintenance of electromechanical devices.
- Pneumatic, hydraulic and electrohydraulic and electropneumatic Assistant.
- Instrumentalist Assistant.
- Automated systems Operator

Mode

Mixed Schedule. Mode: In site

Fuente:

<http://www2.utp.edu.co/english/academic-programs/189/professional-technician-in-mechatronics>

