

Mechanical Engineering

Professional Profile

Technology: Manufacturing processes, solids handling, fluid handling and energy manipulation processes.

Humanistic: In regards to research, administration, recreation and interpersonal relationships and environmental conservation.

Intellectuals: Analysis of operations, technical language comprehension, synthesis and applications.

Operational: Mechanical assembly and maintenance, manufacturing processes, instrument calibration, personnel management, mechanical design, quality inspection of raw materials and products, design, selection and operation of machines.

Attitudinal: Work efficiently in the operations involved, with an ecological vision and understanding of the surrounding context and contributing to the maintenance of a climate of respect and understanding with their partners. Constant interest in being updated and improving in their profession

Occupational Profile and Competences

- Mounting management and mechanical maintenance
- Inspection and control of manufacturing processes
- Inspection and calibration of measuring instruments
- Managing the staff
- Machine Design
- Quality manager of raw materials and products
- Selection and control of thermal machines
- Instrumentation and control systems integration
- Entrepreneurship

Fuente: <http://www2.utp.edu.co/english/academic-programs/163/mechanical-engineering>