

Electrical Technology

Professional Profile

- Perform the Electrical Technology in the framework of an integrated concept defined by the set of actions conducive to technological, industrial, and commercial developments.
- To act responsibly in its area of competence, with humanistic sense and within the accepted ethical standards in the profession.
- Maintain a critical attitude based on good training that allows to analyze, understand and contribute to solving problems related to the exercise of the profession
- Communicate clearly and effectively, orally and in writing, taking into account the diversity and limitations that may difficult the communication with non-experts within the community.
- To act with social rationality and responsibility in relation to the use and management of resources.
- Adequately use IT tools to enhance the access to information and lifelong learning.
- Find the constant personal and professional growth, acquiring methodologies for self-evaluation and updating of knowledge, in order to act competently in the industrial environment.

Introduction

The Electrical Technology Program is a part of the Faculty of Technology. It was created by the agreement number 20 of November 21, 1961 of the Superior Council of the Universidad Tecnológica de Pereira and was authorized to begin operating by the agreement Number 10 of February 28, 1962, issued by the Administrative Committee of the Colombian Association of Universities.

The Electrical Technology Program began operating the first half of 1966 and is accredited by the Ministry of Education by resolution 1819 of August 4, 2003 for a period of five years.

Mission

Within the institutional framework, the Electrical Technology program educates and promotes its learners through the application of current methods of learning and by teaching innovative technologies, so as to meet the industrial and socio-economic needs in an environment of globalization

Vision

The program will be widely recognized as a center of academic, research and extension aimed at proposing and implementing innovative interdisciplinary projects that allow to solve scientific and technological problems of regional and national interest in areas related to

electrical power, electronics, communications and automation and control systems, while maintaining the highest standards of quality and following the guidelines of the Ministry of Education and the scientific community.

Objectives

General Objective

Educate an overall professional who is able to apply, adapt and update the technology systems of: electric power, automation, control, communications and electronics, which contribute to economic and social development, both regionally and nationally.

Specific Objectives

- Provide the basic scientific knowledge that provides the concepts and tools needed for understanding the technique, technology and science.
- Provide training through a comprehensive educational theory - practical process.
- Development of social and humanistic training, through attitudes and values of social harmony.
- Provide solutions to the production processes.
- Strengthen the bond between the future professional and the business and industrial environment.
- Maintain outreach programs to enhance lifelong learning and the institutional link with graduates.
- Perform self-evaluation and continuous improvement processes, to maintain the quality profiles established in the State re-accreditation process.

Fuente: <http://www2.utp.edu.co/english/academic-programs/191/electrical-technology>