

## Ph.D. in Environmental Sciences

### Introduction

The Ph.D. in Environmental Science offered by UTP seeks to develop strategies for the integration of different disciplines that study the environmental dimension from the point of view of engineering, natural, social, cultural and economic sciences to understand the complexity of the problems of the environment.

The research process suggested by this doctorate, shall be addressed from the relationship between society-environment-culture, focusing on the interactions that occur in the three bases of the environmental dimension: the eco-systemic base, the cultural base and the sustainable development.

### General Objective

The general objective of the Doctoral Program in Environmental Science is to train high-level researchers, linked to the environmental sector, which will be able to work in interdisciplinary teams from a technological, ethical, social, political and economic dimension, to generate knowledge and propose alternative solutions to the problems associated with seeking environmentally sustainable development.

### Specific Objectives

- Generate knowledge from an interdisciplinary, holistic and systemic vision of the relation man-society-nature, to consolidate perspectives and theoretical and scientific positions to promote the resolution of national and regional environmental problems.
- Promote sustainable development patterns that contribute to improving environmental quality through the development and adaptation of innovative environmental technologies.
- Promote and strengthen mechanisms for interagency and intersectoral cooperation in a national and international level for the creation and consolidation of research groups in the environmental area.

### General information

**Title Awarded:** Doctor in Environmental Science

**Program Duration and Dedication:** The doctoral curriculum lasts eight semesters, full-time during the day and in site.

**Program Features:** The program consists of different cycles that are integrated into subjects and research processes, as seen in the curriculum. The candidate must make his/her research focused on one of the interests of the program:

- Environment and culture.
- Planning and Environmental Management.
- Cleaner production and sustainable human development.

**Fuente:** <http://www2.utp.edu.co/english/phd/121/ph-d-in-environmental-sciences>

