

### **Details of vacancies**

**Position:** Full-time professor  
**Closing date:** 2 November 2018

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The full-time teaching is required as part of the team from the area of mathematics, which will support the various programs of the University of Ibagué.

The Faculty of Natural Sciences and Mathematics from the University of Ibagué whose main function is to support the other powers in the subjects of basic cycle. We are responsible for providing support on subjects related to Mathematics, Physics, Biology, Chemistry and statistics; in this process, we move forward in the design and implementation of new teaching and learning strategies, in the implementation of online courses (MOOC), in the design of elective courses and support to the processes of research, interdisciplinary elective courses with the different faculties of the institution. (Faculty of Engineering - Faculty of Economic and Administrative Sciences - Faculty of Humanities, Arts and Social Sciences - Faculty of Law and Political Science). It is a strategic axis for the faculty developing activities aimed at boosting and promoting the Program for Environmental Biology at regional and national levels.

### **Details of the work**

**Job title:** Full-time teaching, in the area of Mathematics

**Faculty:** Natural Sciences and Mathematics  
**Program /academic area:** Mathematics

#### **Purpose of the job:**

Support for the activities of teaching mathematics in subjects such as statistics, Linear Algebra, Differentiate Equations, and subjects associated with mathematics in the program of environmental biology

Support for the research activities of the Faculty of Natural Sciences and Mathematics on differential equations, through linking to ongoing projects and the generation of new proposals to strengthen the line of studies in the area of applied mathematics.

Support to other academic processes required to the inside of the Faculty of Natural Sciences and Mathematics.

#### **Main responsibilities (approximate % of time)**

Minimum academic assignment of three courses, equivalent to 12 hours of face-to-face weekly chair more hours of preparation and advice (~30% of the total time). This assignment will depend on the additional responsibilities (e.g. research, consulting) assigned after the review undertaken by the Dean.

Support for the development of pedagogical strategies through participation in teams of professors of subjects of first semesters (~30% of the total time), and possible partnerships with regional projects.

Between the additional responsibilities are:

Contribution and active participation in the Research Group Naturatu, attached to the Faculty of Natural Sciences and Mathematics, through the structuring of projects and seedbeds that result in scientific publications, as well as the relevant advice.

Participation in curriculum committee and area, or other required in academic-administrative processes to allocate the Dean.

### **Knowledge, skills and experience needed for the job**

#### **Required profile:**

Professional in mathematics, a graduate in mathematics, a graduate in mathematics and physics, a graduate in mathematics and statistics or physical, or professional in mathematics with emphasis in statistics. With postgraduate studies in the area of competition preferably with a doctorate in mathematics, science, mathematics or applied mathematics.

#### **Essential experience:**

- University professor full time for at least one year.
- Accredited research experience (demonstrable through publications in journals of recognized scientific level or research products).
- Demonstrate a minimum level of B2 in English (according to the Common European Framework).

#### **Expected experience:**

- University professor full time longer than two (2) years.
- Publications in Scopus and Web of Science in a second language.
- Publications in books of wide national circulation.