



**Universidad de los Andes  
Industrial Engineering Department  
Multiple Open Faculty Positions**

The Industrial Engineering Department of the Universidad de los Andes seeks applications for faculty, visiting scholar, and postdoctoral (teaching-research) positions. The university, located in downtown Bogotá (Colombia), is ranked among the top ten universities in Latin America by 2015 QS University Rankings, and among the top 300 universities worldwide by both the 2014 QS World University Rankings (rank 262) and the 2013-2014 Times Higher Education World University Rankings (rank 251-275). Its student body comprises 13,500 undergraduates, 3,000 graduate, and 400 doctoral students.

The School of Engineering, which has 5,300 undergraduates, 900 master's students, and 100 doctoral students, hosts seven departments (with eight ABET-accredited programs): Biomedical, Chemical, Civil and Environmental, Electrical and Electronics, Industrial, Information Technology, and Mechanical Engineering. The Department of Industrial Engineering, home to 30 full-time faculty, 40 adjunct (part-time) faculty, and 66 teaching assistants, is the largest unit, accounting for about one third of engineering students. This department, which only accepts high school students that score in the top 10% on the Colombian national entrance exam, offers B.S., M.S., and Ph.D. degrees in industrial engineering.

As an ABET-accredited program, the industrial engineering curriculum prepares students to design, develop, implement, and improve integrated systems that include humans, materials, information, equipment, and energy. Our combined teaching-research is based on a contemporary *core* built on four pillars: (i) formal analytical tools that allow the construction of mathematical models, (ii) the computational simulation paradigm (broadly interpreted), (iii) the transformation of raw data into information for decision support (data analysis), and (iv) the systems perspective in complex and uncertain environments. This core manifests in the form of system design or improvement applications developed in both mainstream and emerging fields. We are explicitly looking for candidates with strong methodological grounding in areas such as optimization, stochastic modeling, simulation, statistics (with an analytics perspective), systems modeling, manufacturing, production and logistics, and computational and quantitative finance.

Successful candidates will have initiative and effective leadership skills with a strong commitment to high-quality, collaborative, interdisciplinary, and globally competitive teaching and research. Candidates will be expected to develop and maintain a vigorous, externally funded research program; teach courses at the undergraduate and graduate levels; supervise undergraduate, master's, and doctoral students; contribute to departmental and university administration; and support outreach activities.

Applicants should submit a cover letter, curriculum vitae, research proposal, and teaching statement, and arrange to have three recommendation letters sent directly to the Chair of the Search Committee. Questions related to the positions should be addressed to the Chair of the Search Committee, Professor Andrés Medaglia (SearchCommittee\_IE@uniandes.edu.co).

Applications will be accepted until the positions are filled. We encourage applicants to schedule interviews at the INFORMS Annual Meeting in Philadelphia (by November 1, 2015).