



Universidad de los Andes
Industrial Engineering Department
Multiple Open Faculty Positions

The Industrial Engineering Department of the Universidad de los Andes seeks applications for any faculty, visiting scholars, and postdoctoral (teaching-research) positions. The university, located in downtown Bogotá (Colombia), is ranked among the top ten universities in Latin America by both the QS University Rankings and the Times Higher Education World University Rankings. Its student body comprises 14,668 undergraduates, 3,960 graduate, and 411 doctoral students.

The School of Engineering has 5,599 undergraduates, 1,417 master's students, and 101 doctoral students, hosts seven departments and all of its programs are ABET-accredited: Biomedical, Chemical, Civil and Environmental, Electrical and Electronics, Industrial, Computing, and Mechanical Engineering. The School offers a Ph.D. degree in engineering. The Department of Industrial Engineering, home to 21 full-time faculty, 10 instructors, 31 adjunct (part-time lecturers) faculty, and 65 teaching assistants, is the largest unit, accounting for about one third of engineering students (1,565 undergraduate students in 2018). This department, which only accepts high school students that score in the top 10% on the Colombian national entrance exam, offers B.S., and M.S. 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 and systemic tools, 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. Interested candidates could also schedule a preliminary interview with our faculty at the INFORMS Annual Conference. Applications and questions related to the positions should be addressed to the Chair of the Search Committee, Camilo Olaya (SearchCommittee_IE@uniandes.edu.co).

Applications will be accepted until the positions are filled.

Departamento de Ingeniería Industrial

Carrera 1 Este No. 19 A 40 Bogotá, Colombia Tel. (57.1) 3324320 | (57.1) 3394949 Ext. 2880/2881
<http://industrial.uniandes.edu.co>