



Faculty Open Position No. 2021-03

The Systems Engineering Department at the Pontificia Universidad Javeriana (Bogotá, Colombia) announces a job opportunity to fill a full-time professor position. Although the position is temporary, suitable candidates can be considered for full professorship in the middle term. The selected candidate will conduct teaching, researching, and consulting work for government and industry. In teaching, particularly, the candidate must support courses in undergraduate and graduate knowledge areas such as **Artificial Intelligence, Machine Learning (statistical learning and deep learning) and Expert Systems**. Upon application, the candidate must provide an academic contribution and research proposal aiming at the strengthening of the department's undergraduate and graduate academic offer as well as knowledge creation (research) in the abovementioned areas.

Position's requirements and general profile: We are looking for a professional in Systems Engineering, Computer Science, or related areas with a doctoral degree, and with teaching and research experience in areas related to Artificial Intelligence. Candidates should show skills in leadership, teamwork, commitment to excellence and communication. The candidate must have a certificate of proficiency in English (a minimum level B2) or its equivalent such as TOEFL, Michigan or IELTS. Proficiency in other languages is also desirable.

General Conditions and Selection Process

| Step | Required Documentation | Procedure | Deadline |
|---------------------------------|---|---|--------------------|
| 1. Submit documentation. | MANDATORY: <ul style="list-style-type: none">- Resume.- Diplomas.- Experience certifications (academic and professional).- Certificate of proficiency in English.- Scientific production.- Two academic references. | Send these documents via email to the Systems Engineering Department. cbustaca@javeriana.edu.co ; barragan.geraldine@javeriana.edu.co | October 29th, 2021 |
| 2. Evaluation | <ul style="list-style-type: none">- Resume.- Experience certifications. <p>The committee could ask for document verification, clarifications, complementary information or additional tests.</p> | A committee made up of faculty members from the Department of Systems Engineering ¹ will initially select up to 6 candidates, for which it will consider the following evaluation parameters: <ul style="list-style-type: none">- Academic experience in the areas of knowledge of the call - up to 20 points (see annex 1).- Scientific production in the areas of knowledge of the call – up to 20 points- Professional experience in the areas of knowledge of the call - up to 10 points (see annex 1). | November 5th, 2021 |

¹ This committee is structured in accordance with Chapter III. Selection and Linkage of the Faculty Regulations, Issued by Agreement 690 of December 12, 2019 of the University Board of Directors, of the Pontificia Universidad Javeriana, available at: <https://www.javeriana.edu.co/documents/15832/0/Reglamento+Profesores/e8680943-d1af-4b13-9fd7-4062f8fa6e8e>



| Step | Required Documentation | Procedure | Deadline |
|--|--|--|-------------------------------------|
| 3. Teaching Test | All material (documents, videos, applications, etc.) needed to give a test lecture. | Selected candidates will prepare a lecture of 20 minutes on a selected topic (coordinated with the department head) in the areas of knowledge of the present offer. Candidates will be assessed by a group of faculty members - up to 20 points. | November 12th, 2021 |
| 4. Interview with a jury conformed by some faculty members of the Systems Engineering Department. | Research and academic proposal | In the knowledge areas of the present job offer – up to 20 points. | November 12th, 2021 |
| 5. Psychotechnical test. | Does not apply. | Human resources department will contact up to 3 candidates for the psychotechnical test – up to 10 points. | November 23rd, 2021 |
| 6. Interview with the Faculty's Dean. | Does not apply. | The 3 candidates will be summoned to an interview with the Faculty's Dean (*). | November 26th, 2021 |
| 7. Final Decision. | Does not apply. | The selected candidate will be the one who achieves the highest score throughout the entire process. In case of a tie, the selection will be based on 10 additional points , which will be valued based on additional degrees or academic credentials of the candidates in the areas of this offer. | November 30th, 2021 |
| 8. Hiring | The Human Resources will request the necessary documentation for this process. Wage assignment will be equivalent to the level that is assigned by the Academic Vice - Rector of the Pontificia Universidad Javeriana according to the assessment of the resume and supports, in accordance with the Manual of Faculty Members. | Human resources will contact the winning candidate to this end. | November 30th - December 15th, 2021 |
| 9. Job starts | Does not apply. | Does not apply. | January 11th 2022 |

(*) Interview with the Faculty's Dean is mandatory to advance in the process.



Pontificia Universidad
JAVERIANA
Bogotá

Facultad de Ingeniería
Departamento de
Ingeniería de Sistemas

Please do not send any documentation if you do not fully comply with all requirements.

Send your applications, questions, and documents to:

César Julio Bustacara Medina, Ph.D.

Director

Departamento de Ingeniería de Sistemas

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ANNEX 1

Academic experience assessment (Full-time equivalent - FTE).

| Academic experience (FTE) | Possible points |
|---------------------------|-----------------|
| More than 10 years | Up to 20 |
| 5 to 9 years | Up to 15 |
| 1 to 4 years | Up to 8 |
| No experience | 0 |

Scientific production assessment

| Scientific production | Possible points |
|-----------------------|-----------------|
| Outstanding | Up to 20 |
| Prominent | Up to 12 |
| Good | Up to 8 |
| Limited | Up to 2 |

Work experience assessment

| Work experience (other than academic experience) | Possible points |
|--|-----------------|
| More than 10 years | Up to 10 |
| 5 to 9 years | Up to 8 |
| 1 to 4 years | Up to 6 |
| No experience | 0 |