



**COLLEGE**  
PONTIFICIA UNIVERSIDAD  
CATÓLICA DE CHILE

## **Faculty Position in STEM Higher Education**

The **Pontificia Universidad Católica de Chile**, one of the leading academic institutions in Latin America, ranked first in [QS Latin America University Ranking 2022](#), invites outstanding candidates for a full-time faculty position. This call is for a joint position shared by [College UC](#) and the [School of Engineering](#), with **primary affiliation with College UC**.

College UC is an Interdisciplinary Academic Unit focusing on the undergraduate level through its three degrees: Natural Sciences and Mathematics, Social Sciences, and Arts and Humanities.

### **Duties**

High-quality teaching (at undergraduate and graduate levels) and independent research. Teaching responsibilities must be agreed between the School of Engineering, College UC and the professor. The expected teaching load is three courses per year, at least two of which should be required Engineering courses for College students. Such courses could be Engineering Challenges; Research, Innovation, and Entrepreneurship; or other relevant courses to both schools. The academic is also expected to develop new courses, carry out teaching innovation, propose and lead new Majors and Minors for College UC. Additional duties include knowledge transfer, outreach, student counseling, professional education, and university administrative tasks.

Candidates should demonstrate experience and potential to develop independent and collaborative research in STEM Higher Education, talent attraction to STEM, in particular of underrepresented groups in Engineering and its majors. Areas of interest may include economics, public policy, educational program evaluation, gender and social equity, inclusion, diversity, student persistence, employability, interdisciplinarity, teaching methodologies and instructional design with and without technology, educational technologies, computing education research, and 21st century skills, among others.

### **Requirements**

- Candidates must have earned a Ph.D. degree at the time of hiring or must be pursuing a Ph.D. degree in the short term. If the selected candidate has a Ph.D., they will be hired as Assistant Professor. Otherwise, they will be hired as Adjunct Instructor until they graduate with a Ph.D.
- Applicants should state previous academic experience in the application.
- Applicants must demonstrate a strong commitment to all aspects of academic life and the public good of the institution, especially with the College's undergraduate educational model.
- Applicants must be highly motivated to continuously improve their teaching skills and have a genuine interest in getting involved with the graduate programs in Engineering and related areas.
- Applicants must demonstrate the capacity to undergo independent and interdisciplinary research in different areas of STEM Higher Education, such as the role of minorities.
- Applicants must demonstrate capacity to develop undergraduate teaching, ideally interdisciplinary.

- Applicants must demonstrate capacity to develop and lead outreach actions.
- Identification with the principles and mission of the Pontificia Universidad Católica de Chile.
- Candidates do not need to be fluent in Spanish at the time of application but should be prepared to learn the language well enough to teach in Spanish in the short term (two years maximum). English is a requirement.

### Selection Criteria

- Capacity and potential for interdisciplinary teaching at College UC.
- Capacity for organization and innovation in teaching methodologies, with and without technology.
- Trajectory and quality of applicant's scientific production, and the quality of their teaching.
- Academic references.
- Capacity and potential for interdisciplinary work in research.
- Capacity and potential for outreach.

### Application Instructions

Questions regarding the application can be addressed to the Academic Subdirector of the Natural Sciences and Mathematics Bachelor's degree program, Renato Lewin ([rlewin@mat.uc.cl](mailto:rlewin@mat.uc.cl)).

Applicants should submit the following documents to College UC [newfaculty\\_collegeuc@uc.cl](mailto:newfaculty_collegeuc@uc.cl) (in the email subject line, please indicate: **Faculty Position in STEM in Higher Education**) by August 31st, 2022 (applications will be considered until the position is filled). Although the call is primarily for candidates at the Assistant Professor level, exceptional applications at the Associate Professor level are also welcome. The application can be in Spanish or English and the documents must be submitted in PDF format.

1. A **research statement** (2 pages) indicating the immediate and long-term goals of the applicant's research plan and detailing potential collaboration networks with other researchers and plans for interactions with scientists in Chile and other countries.
2. A **teaching statement of purpose** (2 pages) indicating why the applicant should be considered for the position and the plans for teaching. The applicant should be as specific as possible by providing examples of the plan to transfer knowledge to undergraduate students in College UC, potential courses, majors, minors, etc.
3. Teaching portfolio, indicating teaching and curricular innovations implemented. Attach a copy of the most relevant material.
4. An updated **curriculum vitae** (in English), that includes:
  - i. Personal information: name, email address, web page (if any).
  - ii. Education: all academic and professional degrees, indicating the granting institutions and dates. If the applicant is currently enrolled in a doctoral program, please indicate the expected date for the degree. Please attach copies of academic certificates.
  - iii. Educational experience: university or institution, courses taught, years, and role in teaching (i.e., Professor, Teacher Assistant, Guest, etc.). Indicate teaching and curricular innovations implemented. Attach copies of the most relevant material.

- iv. Professional experience (employer, duties, years).
  - v. Research:
    - Complete list of publications (Web of Science, SCOPUS and others), reports, books, book chapters, conferences attended, research projects participated in, patents, etc. Attach copies of the three most relevant publications.
    - Participation in research projects specifying the level of involvement (IP, co-I, etc.), start and end dates, and institution.
  - vi. Other: awards, computer skills, languages, and relevant background information.
5. At least three letters of recommendation must be e-mailed directly by the signatories to College UC [newfaculty\\_collegeuc@uc.cl](mailto:newfaculty_collegeuc@uc.cl)

Once the complete set of application materials has been received, the applicant will be contacted within two months and informed whether the application has been accepted for further consideration. If this initial screening is successful, the candidate will be asked to continue the process following the steps described in **Appendix 1**.

### **EEO/AAP Policy Statement**

The Pontificia Universidad Católica de Chile welcomes and embraces diversity. It does not discriminate based on race, color, creed, religion, origin, disability, age, sexual orientation, or marital status.

Other employment benefits can be found in:

- Foreign workers in Chile: <https://www.dt.gob.cl/portal/1626/w3-article-93693.html>
- Labor laws in Chile: <https://www.dt.gob.cl/legislacion/1624/w3-propertyvalue-22764.html>
- University rules and regulations:  
[http://direcciondedesarrolloacademico.uc.cl/index.php?option=com\\_content&view=article&id=286&Itemid=178](http://direcciondedesarrolloacademico.uc.cl/index.php?option=com_content&view=article&id=286&Itemid=178)

All members of the Pontificia Universidad Católica de Chile subscribe the Code of Ethics found in <https://www.uc.cl/codigodehonor>

A foreign candidate who applies from abroad, if selected for the position, will require the corresponding visa obtained at the consulate of the origin country in order to be incorporated into the academic staff of the University.

## **Appendix 1. Application steps**

### 1) Interviews/Seminar:

- a. Seminar (open to faculty members)
- b. Interview with the Selection Committee
- c. Interview with faculty members
- d. Interview with College Director and the Dean of the School of Engineering
- e. Psychological Interview

The seminar and interviews are generally carried out within a week.

- 2) Selection of the final candidate by the Faculties involved and the Selection Committee
- 3) Ratification of the selected candidate by College and Engineering School Council
- 4) The selected candidate is informed (offer letter)

All these activities will be carried out online. The time that elapses from the interviews until the final resolution is typically around two months.