



COLLEGE
PONTIFICIA UNIVERSIDAD
CATÓLICA DE CHILE

FACULTY POSITION

BACHELOR OF NATURAL SCIENCES AND MATHEMATICS

COLLEGE UC

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 full-time faculty positions. This call is for joint positions shared by [College UC](#) and another Academic Unit, with **primary affiliation with College UC** and will be ruled by the University's joint positions regulation and the College's complementary regulations.

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.

The Bachelor of Natural Sciences and Mathematics is a flexible program that provides students with critical and analytic thinking with solid scientific foundations that allows them to face complex problems, develop innovation tasks in Science and Technology, as well as develop high level scientific research. The program begins with a set of Required Disciplinary Courses in Biology, Physics, Chemistry and Mathematics. At the same time, students can take Exploratory Courses that allow them to discover and choose the disciplines through majors and minors. Natural Sciences and Mathematics majors can be interdisciplinary (for example, Sustainable Development and Data Science) or disciplinary (for example, Astronomy and Astrophysics, Marine Biology, Structural Engineering, among others). Students can pursue one or two majors simultaneously and choose minors that complement their area of specialization.

After obtaining the Bachelor's Degree in Natural Sciences and Mathematics, graduates can opt for postgraduate training in various areas, or complete a professional training in line with the disciplinary major(s) completed. For more information on the Bachelor of Natural Sciences and Mathematics, see: <https://college.uc.cl/en/bachelor-of-natural-sciences-and-mathematics>.

Duties

High-quality teaching (at undergraduate and graduate levels) and independent research. Other duties include student counseling, academic management and university administrative tasks. In addition, knowledge transfer, outreach, and professional education may be required.

Teaching responsibilities must be agreed between the Academic Unit, College UC and the professor. The expected teaching load is at least two courses per year to College students (College course or Academic Unit course with high participation of College students), and one postgraduate course per year in the secondary Academic Unit. The academic is also expected to develop new courses, carry out teaching innovation, propose and lead new Majors and Minors for College UC.

Candidates should demonstrate experience and potential to develop independent and collaborative research with at least one interdisciplinary component. Areas of interest may include educational program evaluation, gender and social equity, inclusion, diversity, student persistence, employability, interdisciplinarity, among others.

Requirements

- Candidates must have earned a Ph.D. degree at the time of the application.
- Applicants should state previous academic experience in the application.
- Applicants must demonstrate experience in independent and interdisciplinary research.
- Applicants must demonstrate experience in undergraduate interdisciplinary teaching.
- Applicants must demonstrate capacity to develop and lead outreach actions.
- Identification with the principles and mission of the Pontificia Universidad Católica de Chile.
- Identification with the mission and vision of College's undergraduate educational model.
- 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.
- 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 (rl Lewin@mat.uc.cl).

Applicants should submit the following documents to College UC newfaculty_collegeuc@uc.cl (in the email subject line, please indicate: **Faculty Position in Natural Sciences and Mathematics**) by August 31st, 2022 (applications will be considered until the position is filled). 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. Highlight the potential of your research

program to the College's student's formation in general and in the Natural Sciences and Mathematics Bachelor's Degree in particular.

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. 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. Please attach copies of academic certificates.
 - iii. Educational experience:
 - a. Courses taught: university or institution, course, years, and role in teaching (i.e., Professor, Teacher Assistant, Guest, etc.).
 - b. Teaching portfolio, indicating teaching and curricular innovations implemented. Attach a copy of the most relevant material.
 - iv. Professional experience (employer, duties, years).
 - v. Research:
 - a. 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.
 - b. 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.
4. At least three letters of recommendation, in English or Spanish, must be e-mailed directly by the signatories to College UC 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

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 secondary Academic Unit
 - e. Psychological Interview
2. The seminar and interviews are generally carried out within a week
3. Selection of the final candidate by the Faculties involved and the Selection Committee
4. Ratification of the selected candidate by College Council and the secondary Academic Unit Council
5. 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.