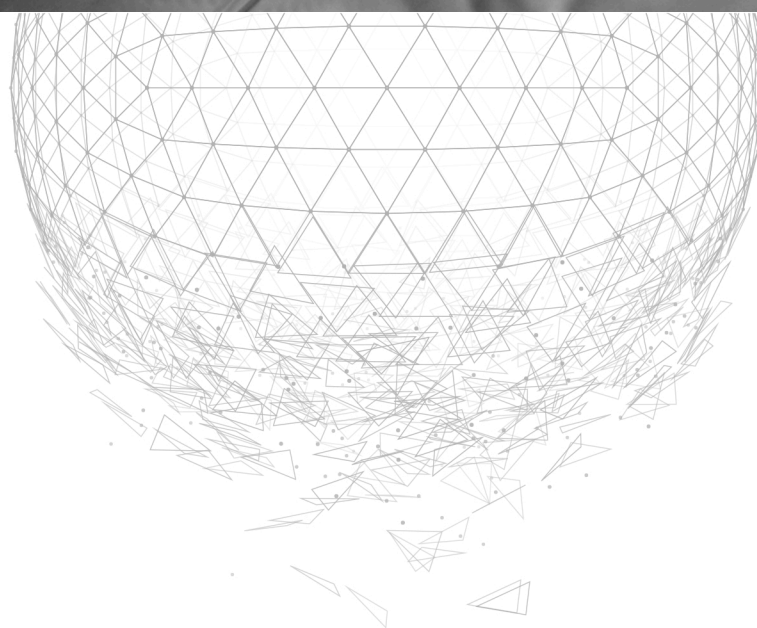




STRATEGIC INTERNATIONALIZATION PLAN OF THE **FACULTY OF CHEMISTRY AND BIOLOGY**



FACULTAD DE
**QUÍMICA Y
BIOLOGÍA**

UNIVERSITY OF SANTIAGO DE CHILE
JUNE 2024



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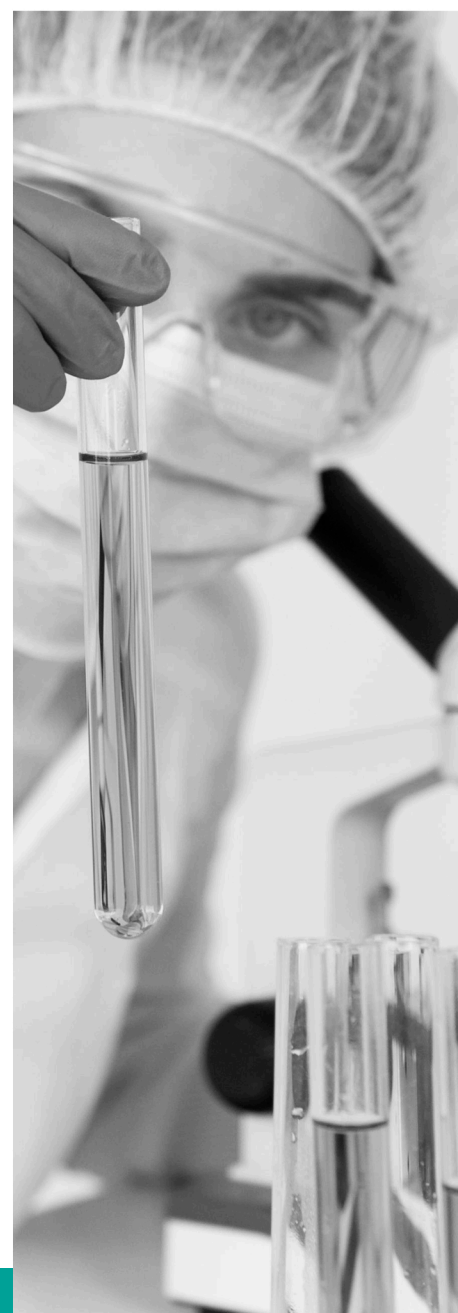
For the **Faculty of Chemistry and Biology**, internationalization is conceived as an agreed action for all undergraduate courses and postgraduate programs, aligned with the internationalization strategies, methodologies and actions of the University of Santiago de Chile, indicated in the pei 2020- 2030 and in the internationalization policy that governs the university since 2019.

Internationalization has a direct impact on teaching, research and association with the environment and is linked to the development of research, development and innovation (i+d+i) competencies, scientific-technological-based ventures, technology transfer, female leadership and issues related to sustainability (agenda 2030).

In this way, internationalization is understood as an intentional, adaptive and planned process to integrate the international and intercultural dimension, within the purpose and functions of the **Faculty of Chemistry and Biology** and thereby enhance its mission.

Our internationalization aims to be bidirectional and open to institutions from the five continents, but with emphasis on the latin american region. The academic unit is aware of the good practices, knowledge and quality that undergraduate courses and postgraduate programs possess. For this reason, it is expected to export this experience to other countries, universities and/or research centers that are in a disadvantaged position. In this way, we will be able to generate a social impact in other communities, to promote fair and inclusive societies.

Investing in internationalization requires a determined institutional intention and a collective commitment to transform the **Faculty of Chemistry and Biology**, the first step of which is the development of this strategy, with the intention of having a roadmap with which to direct our actions.



This initiative aims to implement five guidelines, through specific actions that ensure their systematization and continuity over time, which are mentioned below:

- 1) Internationalization of the student body.
- 2) Internationalization of research.
- 3) Internationalization of activities linked to innovation, entrepreneurship, female leadership and sustainability.
- 4) Institutional internationalization.
- 5) Valuation of interculturality.



This plan is presented as an opportunity for modernization. a true internationalization of the studies and management of the faculty will lead to an improvement in its quality for future accreditations and will enrich the community professionally and personally. furthermore, becoming an international faculty that attracts students, and professors from abroad will facilitate the employability of graduates, by being exposed to an international environment, who will contribute to the development of a society that is conceived as globalized.

PEOPLE AND ENTITIES ASSOCIATED WITH INTERNATIONAL LINKAGE

1- International professors who share common objectives and goals on issues of innovation, entrepreneurship, female leadership and the 2030 agenda.

2- Curricularly compatible international professors that successfully allow the transfer of credits in the first stages of the programs, as well as developing joint classes based on CLIL and COIL methodologies.

3- International professors compatible in lines of research that enable the exchange of knowledge between students and professors.

4-international professors to whom we can generate a positive impact in the scientific field, especially from latin american countries.

5-international professors with whom a cultural exchange can be generated in face-to-face and/or virtual activities.

6-national and/or international public and/or private entities for financing research and technology transfer.





3.1 GENERAL OBJECTIVE

integrate the international scope in the area of undergraduate, postgraduate and continuing education in teaching, research and links with the environment, considering the five strategic guidelines of internationalization.

3.2 GUIDELINE 1: INTERNATIONALIZATION OF THE STUDENT BODY

integrate the international scope in the area of undergraduate, postgraduate and continuing education in teaching, research and links with the environment, considering the five strategic guidelines of internationalization.

specific objective n°1: Internationalize the undergraduate and/or postgraduate curriculum to promote the development of intercultural competencies in the student body and innovation in class methodologies in the academic body.

Actions:

- 1- Training of professors in methodologies such as Content and Language Integrated Learning (CLIL) y Collaborative Online International Learning (COIL).
- 2- Generate alliances with international universities to link the academic body with foreign peers, to carry out subjects with international methodologies, such as CLIL, COIL entre otras.
- 3- Encourage co-tutoring in postgraduate programs.
- 4- Promote double graduation in postgraduate studies.

Specific objective n°2: Creation of an international academic offer within the faculty to attract foreign students.

Actions:

- 1- Promote elective courses on transversal topics of interest to national and international students.
- 2- Encourage subjects taught in english or other languages.
- 3- Promote outreach activities with the environment, short courses and Summer School.
- 4- Incorporate the double degree character in postgraduate programs.



Specific objective n°3: Promote exchange and international internships of incoming and outgoing students, to generate an international environment in the careers and programs.

Actions for students of the Faculty of Chemistry and Biology:

- 1- Generate an initial balance of mobility v/s destination and origin universities.
- 2- Identify the universities aligned with the strategy for students to carry out mobility and/or internships.
- 3- Spread exchange mobility programs by subject, research mobility, short mobilities and professional training practices with universities in agreements.

Actions for international students:

- 1- Generate an initial balance of mobility versus destination and origin universities.
- 2- Improve the website of the Faculty of Chemistry and Biology with an option in english and keep the site updated, from the point of view of internationalization, with agile access to information.
- 3- View the study plans of the subjects on the website.
- 4- Create signage in english for some common services (library, bathrooms, laboratories).
- 5- Prepare a guide for the international student.

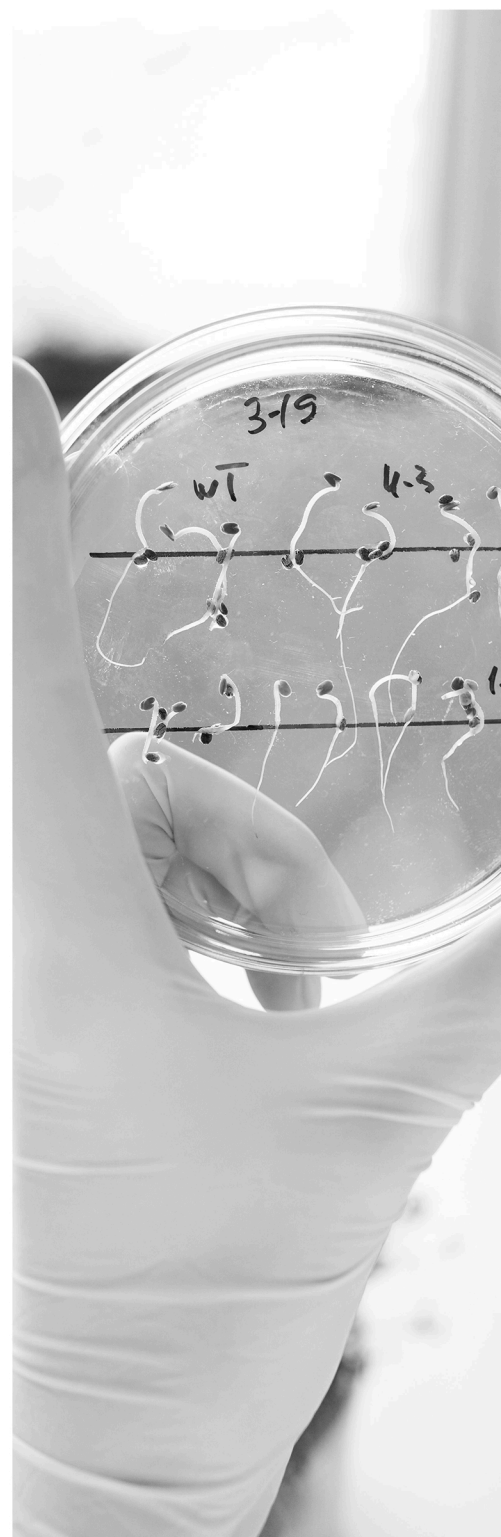


3.3 GUIDELINE 2: INTERNATIONALIZATION OF RESEARCH

Specific objective n°2: Generate research in collaboration with international peers to increase international scientific production, the number of research internships of foreigners at the faculty and the number of research internships of USACH students in other institutions.

Actions:

- 1- Motivate the participation and execution of research projects with universities and/or international centers, through financing and/or dissemination of external opportunities.
- 2- Generate the conditions of academic linkage for international research, through instances such as remote and in-person meetings with international researchers, workshops, with whom they can generate new connections.
3. Encourage co-tutoring of undergraduate and postgraduate theses, with or without obtaining a double degree.
- 4- Promote internships or international mobility of professors in compatible networks such as Fundación Carolina, Alianza del Pacífico, AUGM and others.
- 5- Generate dissemination and provision material for academics to visit institutions or research centers abroad.



3.4 GUIDELINE 3: INTERNATIONALIZATION OF ACTIVITIES LINKED TO CHEMISTRY AND BIOLOGY, INNOVATION, ENTREPRENEURSHIP, FEMALE LEADERSHIP AND SUSTAINABILITY.

Specific objective N°1: Participation of students and academic staff in international activities at the faculty, linked to chemistry and biology, innovation and entrepreneurship. the above, with the objective that the academic body and students generate new international networks and access cutting-edge knowledge and research.

Actions:

1- Generate a database of in-person or virtual activities (free and/or funded) focused on students and academic staff, on the website.

2- Send information with current opportunities

3- Carry out activities with the participation of an academic and other international guests such as talks, symposiums, conferences and seminars.

4- Foster instances of collaboration and/or coordination and link with other areas that may have a connection with the topics raised



3.5 GUIDELINE 4: INSTITUTIONAL INTERNATIONALIZATION

Specific objective N°1: Promote a cultural change in the academic unit regarding the importance of internationalization, opportunities for international participation and international activities carried out by faculty members.

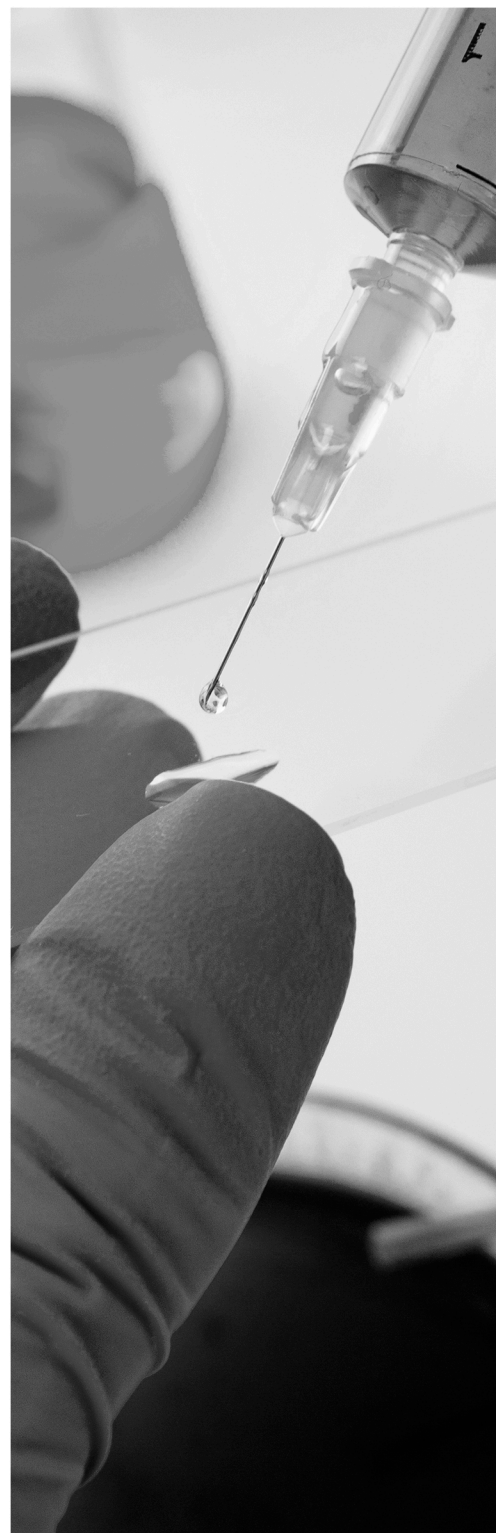
Actions:

- 1- Review and update the documents and procedures related to internationalization in the curriculum registration system and generate protocols.
- 2- Explain to the different groups that are part of the faculty the need and opportunities of the internationalization process for the faculty and disseminate this internationalization plan among them.
- 3- Make internationalization visible, highlighting all types of international visits or activities in the available internal and external media, as well as on the faculty's website.

Specific objective N°2: Use existing USACH agreements and networks, which are compatible with the guidelines of internationalization and seek new alliances, to position the courses and programs as an active international partner.

Actions:

- 1- Use current agreements and networks to carry out joint activities.
- 2- Initiate or "activate" new strategic alliances, through visits by deanery authorities to selected universities.
- 3- Make the agreements known to the community

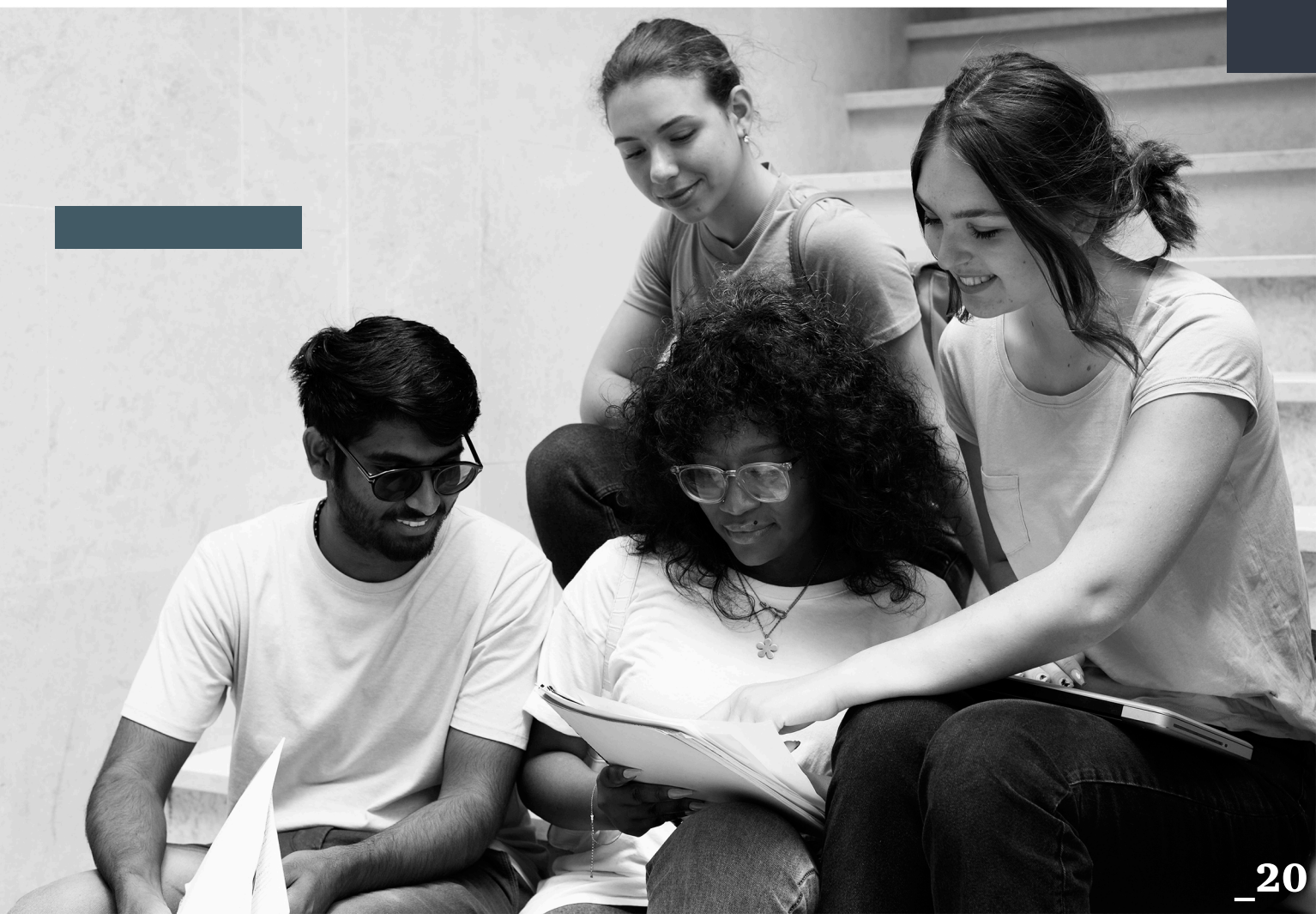


3.6 GUIDELINE 5: VALUATION OF INTERCULTURALITY

Specific objective N°1: Internationalization must promote the development of intercultural competencies, knowledge, skills and aptitudes of various national and international cultures so that all members of the university community can adapt consciously in intercultural and diverse environments.

Actions:

- 1- Foster and/or develop workshops on interculturality for the community of the Faculty of Chemistry and Biology.
- 2- Teach english and/or other language courses for students.





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