

# Management Sciences



## OVERVIEW

The Ph.D. in Management Science has an emphasis on quantitative data analysis methodologies seeking the development of methods to apply, evaluate and develop methodologies in econometrics, psychometrics, and multivariate methods.

In this sense, this program aims to train Ph.D. students capable of facing new research developments in management science. There are two lines of research: (i) finance and (ii) organizations and management, articulated in the study plan through the disciplinary electives, in one of which the Ph.D. thesis must be developed.

## OBJECTIVES

The general objective of the program is to develop autonomous researchers of excellence with theoretical and applied knowledge in the use of quantitative methods and tools that allow them to identify, manage and solve problems in the area of management science. For this, three specific objectives are proposed:

- 1.** Contribute to the academic, scientific, and professional development of management science, in complex and changing environments, through the conceptualization and implementation of research designs and methodologies that allow contributions to expanding the frontiers of knowledge.
- 2.** Promote the development of Ph.D. students as critical and autonomous thinkers capable of identifying, managing, and solving problems in management science.
- 3.** Create and consolidate research teams and networks with universities and academics from national and foreign universities in the program's research lines, promoting scientific research development.

## RESEARCH LINES

- 1. Finance:** This line of research focuses on frontier research in finance rooted in the reality of Chile in order to create new knowledge and apply it to improve decision-making in public and private institutions.
- 2. Organizations and Management:** This line of research focuses on studying two aspects: how individuals and groups interact within organizations and how companies interact with each other and with consumers, employees, communities, and institutions.

## APPLICANT PROFILE

This Ph.D. program is aimed at candidates possessing a bachelor's or master's degree, national or foreign, in the field of different areas of knowledge such as basic sciences, social sciences, and engineering sciences, who have an academic background of excellence and who are interested in contributing to the area of management science. Preference will be given to applicants whose training includes quantitative methods, statistics, or economics courses.

## GRADUATE PROFILE

This program seeks to develop autonomous researchers of excellence in the program's lines of research. This is an academic program where knowledge of the areas of management, economics, and data sciences are integrated with an emphasis on quantitative tools. Specifically, those who graduate from the program will be able to:

- Conduct theoretical and applied high-level research in the program's research lines.
- Develop and disseminate new methodologies that can be useful both in the academic and business fields.
- Solve applied problems through advanced tools related to the research lines of the program.
- Disseminate the results of their research through the national and international scientific media.
- Develop academic projects that generate new knowledge in the discipline of the program.

# CURRICULUM

| SEMESTER 1                             | SEMESTER 2                            | SEMESTER 3                   |                 | SEMESTER 4                |                                       |
|----------------------------------------|---------------------------------------|------------------------------|-----------------|---------------------------|---------------------------------------|
| Data Management with R and Python      | Data Mining                           |                              | QUALIFYING EXAM |                           | DOCTORAL THESIS PROPOSAL PRESENTATION |
| Multivariate Statistical Methods       |                                       |                              |                 |                           |                                       |
|                                        | Econometrics I                        | Econometrics II              |                 |                           |                                       |
|                                        | Construction of Measuring Instruments | Structural Equation Modeling |                 |                           |                                       |
| Research Workshop I                    | Research Workshop II                  | Research Workshop III        |                 | Thesis Proposal Workshop  |                                       |
| Topics in Organizations and Management | Topics in Microeconomics              | Topics in Finance            |                 | Disciplinary Elective I   |                                       |
| Classic Management Topics              |                                       |                              |                 | Disciplinary Elective II  |                                       |
|                                        |                                       |                              |                 | Disciplinary Elective III |                                       |
|                                        |                                       |                              |                 |                           |                                       |
|                                        |                                       |                              |                 |                           |                                       |

SEMESTER 5

SEMESTER 6

SEMESTER 7

SEMESTER 8

Thesis  
Seminar I

Thesis  
Seminar II

Thesis  
Seminar III

Thesis  
Seminar IV

DOCTORAL THESIS DEFENSE

Scientific Writing  
Workshop and  
Publishing  
Strategies

Case Method  
Teaching in  
Management

Academic Portfolio Products

## ACADEMICS

ELISA ADRIASOLA BARROILLET

PhD in Management,  
University of Western Australia,  
Australia.

PABLO HENRÍQUEZ VALDEBENITO

PhD in Complex Systems Engineering,  
Adolfo Ibáñez University,  
Chile.

CAMILO DRAGO CABALLERO

PhD in Management,  
Adolfo Ibáñez University,  
Chile.

ANA SOFÍA LEÓN LINCE

PhD in Public Policy,  
University of Chicago,  
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NICOLÁS HARDY HERNÁNDEZ

PhD in Finance,  
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NICOLÁS MAGNER PULGAR

PhD in Management,  
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MARCO MORALES SEPÚLVEDA

PhD in Economics,  
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LORENA PÉREZ FLORIANO

PhD in Industrial and  
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PhD in Economics and  
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MARCELA PERTICARÁ

PhD in Economics,  
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PhD in Computer Science,  
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PhD in Economics,  
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PhD in Business Administration,  
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PhD in Human Resources  
Psychology,  
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MAURICIO VILLENA CHAMORRO

PhD in Economics,  
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MAXIMILIANO ESCAFFI SCHWARZ

PhD in Management,  
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FRANCISCO VILLEGAS PINUER

PhD in Entrepreneurship and  
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MAURICIO TEJADA GUZMÁN

PhD in Economics,  
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RAMIRO SALTOS ATIENCIA

PhD in Engineering Systems,  
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RODRIGO ESPINOZA TRONCOSO

PhD in Political Science,  
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Chile.

KARINA ISLA FERRADA

PhD in Administration,  
University of Chile,  
Chile.

GONZALO IBERTI BOZO

PhD in Finance,  
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Chile.

BASTIÁN GONZÁLEZ-BUSTAMANTE

PhD in Politics,  
University of Oxford,  
UK.

ANA GAZMURI BARKER

PhD in Applied Economics,  
University of Pennsylvania,  
USA.

## APPLICATION PROCEDURE

Those who have obtained or possess a university academic degree certificate of Bachelor or Master or previous foreign training whose level and content are equivalent to that of the Bachelor's degree of at least eight semesters in duration in the program's discipline may apply for this program. The applicant is expected to communicate in Spanish orally and in writing and understand academic texts written in English. Previous training or knowledge in quantitative methods, statistics, or economics will also be considered as part of the selection criteria. However, the program's minimum contents are designed to gradually allow professionals from other disciplines to specialize in the area. The documents required for the application are the following:

- 1.** Legalized photocopy, or a legalized with electronic signature, of Bachelor's degree certificate and, if applicable, Master's degree certificate.
- 2.** Legalized photocopy, or legalized with electronic signature, of grade transcripts of the undergraduate level and, if applicable, of Master's courses.
- 3.** Photocopy of the official identity document or passport.
- 4.** Study objective proposal.
- 5.** Letter of application indicating motivation or interest in joining the program.
- 6.** Two letters of recommendation.
- 7.** Curriculum vitae.
- 8.** Sworn statement of full-time availability to dedicate to the program.

There is a specific rubric to evaluate the background and interview of the applicants to choose those accepted to the program.

## INFORMATION AND CONTACT

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# DOCTORADOS . UDP . CL

## ADMISSION 2027

MODALITY ON-CAMPUS PROGRAM

APPLICATIONS FROM MAY 15 TO SEPTEMBER 15, 2026

MORE INFO AT [doctorados.udp.cl](https://doctorados.udp.cl) / [doctorados@udp.cl](mailto:doctorados@udp.cl)

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