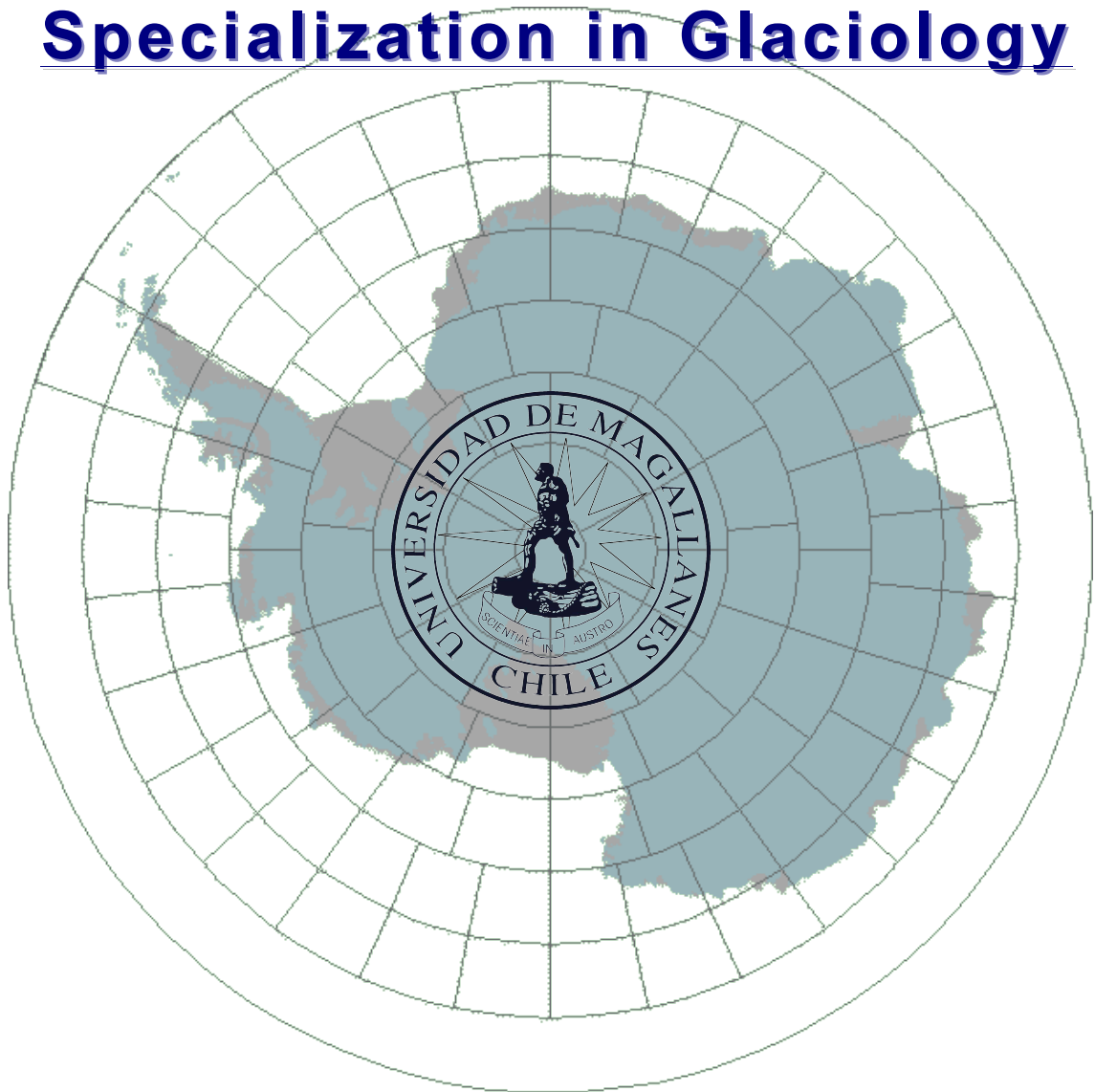


Masters of Antarctic Sciences Specialization in Glaciology



Dirección De Programas Antárticos (DPA)

**Universidad de
Magallanes
CHILE**

Objectives

Graduates will have a strong fundamental understanding of the Antarctic related subjects; comprehensive knowledge of Glaciology; understanding of the principles that guide the design and execution of high-quality research; field experience and substantial research skills. Graduates will be able to teach and to communicate Antarctic issues to the public.

Degree Granted

Masters of Antarctic Sciences with specialization in Glaciology.

Requirements

Applicants must have one of the following degrees:

- B.Sc. in any natural science
 - B.Sc. in engineering
 - University degree with at least eight semesters.
-
- Special cases will be evaluated by the Dirección de Programas Antárticos.
 - Intermediate Spanish knowledge is required.

Mandatory Coursework (3 credits each)

- 1.- Antarctic Geography
- 2.- Antarctic Glaciology
- 3.- Antarctic Geology
- 4.- Antarctic Geophysics
- 5.- Antarctic Oceanography
- 6.- Polar Ice Physical-Chemistry
- 7.- Antarctic Climatology
- 8.- Principles of remote sensing

Elective Courses

- 1.- Research Methods
- 2.- Applied Electromagnetism
- 3.- Paleoclimate and Global Warming

Additional Coursework

Workshops (2 credits each)

1. Leadership and communications
2. Living in extreme conditions
3. Logistic and planning
4. Instrumentation for cold environments

Field Experience

Students will receive field experience in the Antarctic and/or the Southern Ice Fields.

Thesis

Each student will carry out an original research project which will be presented as a final thesis.

Faculty

Dr. Ricardo Jaña, Geographer, Chilean Antarctic Institute, INACH

Dr. Gino Casassa, Glaciologist, Center for Scientific Studies, CECS

Dr. Rolf Kilian, Geologist, Universidad de Trier, Germany

Dr. Gernot Reitmayr, Geophysicist, BGR, Germany

Dr. Cristian Rodrigo, Oceanographer, Chilean Antarctic Institute, INACH

Dr. Pedro Cid-Agüero, Chemist, Universidad de Magallanes, UMAG

Dr. Jorge Carrasco, Meteorologist, Dirección Meteorológica de Chile, DMC

Dr. Carlos Cárdenas, Radio-glaciologist, Universidad de Magallanes, UMAG

Dr. Rodrigo Villa, Evolutionary Biologist, Centro de Estudios del Cuaternario, CEQUA

Dr. Juan Carlos Aravena, Environmental Scientist, Centro de Estudios del Cuaternario, CEQUA.

Dra. Pilar Rivas, Chemist, Universidad de Magallanes, UMAG.

Prof. Rubén Carvallo, Electrical engineer, Universidad de Magallanes, UMAG

Dr. Cedomir Marangunic, Glaciologist, Geoestudios Ltda., Chile

International Support

This program is part of the offering of the International Antarctic Institute (IAI).
<http://www.iai.utas.edu.au/cms/home>

Coordinator

Dr. Pedro Cid-Agüero
Dirección de Programas Antárticos, Universidad de Magallanes
Casilla 113-D, Punta Arenas, Chile
Pedro.cid@umag.cl

Information

Further information and applications forms are available at:
Dirección de Programas Antárticos, Universidad de Magallanes.
Casilla 113-D, Punta Arenas, Chile
pedro.cid@umag.cl
Phone: (56-61) 209358

Masters of Antarctic Sciences Major in Glaciology

