



Summer / Winter Programs

Volcanism and Economic Mining

15 Days

Antofagasta and San Pedro de Atacama





Atacama Immersion Chile

Atacama Immersion Chile® is an educational initiative focused on social development, integration and exchange. Through learning experiences and international collaboration, we seek to contribute to the integral formation of people, academic involvement, and links with the social and productive world.

ABOUT UCN

Universidad Católica del Norte, founded in 1956, has 60 years being one of the most remarkable universities in the North of Chile. With the aim of serving in the fields of teaching, research and extension, it was born thanks to the enthusiastic initiative of the priests of the company of Jesus, who fought with determination to realize this desire for the northern people: a University at the service of culture, sciences and development, but with full adherence to the Christian faith.

The Program includes

- ✿ Airport pick up
- ✿ Atacama Immersion courses include: Astronomy, Mining and Geology with university credit
- ✿ Professor Lectures
- ✿ UCN Field Coordinator
- ✿ Transports
- ✿ Tickets to places of interest
- ✿ Accommodation
- ✿ Meals (breakfast, lunch, dinner)
- ✿ Trip to San Pedro the Atacama Desert (3 days)
- ✿ Astronomic Tour in San Pedro de Atacama
- ✿ Trekking to Lascar Volcano
- ✿ Souvenirs of Atacama Immersion

LECTURE I

Introduction to the Economy of Antofagasta and Chilean Mining

Contents of the course

Module I

Introduction to the economy of Antofagasta Region

- Characteristics of the Region
- Economic evolution
- Main challenges for development

Module II

Evolution of the World Mining Industry

- Description of sites
- Prizes y cycles
- Resources
- Mining based on Development Policies
- Social License to operate
- Production Network of Global Mining
- Enclave and clusters



A vertical photograph of a desert landscape. In the foreground, there are dark, jagged rock formations. In the background, there are rolling hills under a purple and blue sky. A large, bright full moon is visible in the upper left quadrant of the image.

LECTURE I

Introduction to the Economy of Antofagasta and Chilean Mining

Contents of the course

Module III Mining in Chile and Antofagasta

- Description of the area
- Characteristics of the area and its evolution
- National policies for mining development
- Mining history in Antofagasta
- Evolution and current situation
- Organization of the mining global network in Chile

Module IV Fieldtrip

- Visit to a Saltpeter ghost towns: Puelma and Chacabuco



LECTURE I

Introduction to the Economy of Antofagasta and Chilean Mining

The course will introduce to the students the characteristics of the mining industry applied to the Chilean case and Antofagasta region.

Thematic modules	Total hours	Lectures (hours)	Field visit (hours)
Module I	6	6	x
Module II	6	6	x
Module III	6	6	x
Module IV	10	x	10
TOTAL	28	18	10

RESUME

Lectures	18 hours
Field visits or laboratory	10 hours
Total	28 hours = 1 credit



LECTURE II

VOLCANISM IN NORTHERN CHILE: ORIGIN AND RELATED RISKS

To understand the origin of volcanism in Northern Chile and the possible related hazards to the occurrences of volcanic origin.

Contents of the course

Module I

- ☀ Volcanism in the world; main related processes, types of volcanic activity

Module II

- ☀ Volcanic products, types of eruptions and types of volcanic edifices

Module III

- ☀ Volcanism in Northern Chile and risks related to volcanic eruptions

Module IV

- ☀ Fieldtrip to Lascar Volcano in San Pedro de Atacama



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Field Trip

- ☀️ City Tour Antofagasta
- ☀️ Visit to Cerro Paranal Observatory
- ☀️ Trekking to Lascar Vulcano
- ☀️ San Pedro de Atacama Route
Valle de la Luna, Laguna de Cejar, Geyser del Tatio
- ☀️ Astrophotography workshop from la Mano del Desierto



Program Cost

Modalities	Includes	Meals included	Total US dollars
Complete Program	Atacama Immersion program	Breakfast	\$2,800
<i>Group over 10 setudents</i>	Accommodation	Lunch	
		Dinner	

Participants do not need a student visa in order to join in short programs.

How to Apply

Students must contact us sending the following documents in a PDF file:

- 1 Photo
- Passport
- Complete the [Application Form](#)

CONTACT



Gabriela Saavedra

International Program Coordinator
International Affair Office
gasaavedra@ucn.cl / aichile@ucn.cl



Universidad Católica del Norte International Affairs Office

Address: Av. Angamos 0610, Antofagasta
Phone: (56-55) 2355037



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