



**Summer / Winter Programs**

**Volcanism and Economic Mining**

**2 or 4 Weeks**

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**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 on 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 middle ground, there are reddish-brown hills. In the background, there are more distant hills under a purple sky. A large, bright full moon is visible in the upper left quadrant of the sky.

# 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.

Resume	2 Weeks	4 Weeks
Lectures	18 hours	36 Hours
Field Visits or Laboratory	10 hours	20 Hours
Total	<b>28 Hours = 1 credit</b>	<b>56 Hours = 2 Credits</b>



## 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





## LECTURE II

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# Field Trip

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- ☀️ 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	Price
Complete Program	Atacama Immersion program	Breakfast	Programs from USD 1,600 (10 Days)
<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



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Atacama Immersion



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[www.atacamaimmersion.com](http://www.atacamaimmersion.com)

