



Universidade Presbiteriana

Mackenzie

Coordenadoria de Cooperação Internacional e Interinstitucional - COI

WINTER PROGRAM

STUDY ABROAD

Water Management, Sustainability and Pollution: Impacts and Solutions Benefiting the Environment and the Traditional Communities in Brazil



152 years of tradition



3 campuses in São Paulo!



Located in the heart of
São Paulo

ABOUT THE PROGRAM

The main objective of the program is to provide a multidisciplinary understanding of the environmental, social (well-being and economic), and technical impacts of pollution and treatment.

Participants will be able to propose innovative solutions to improve the social impact of water pollution in the region.

This program will be based on theoretical classes, technical visits, and fieldwork within a multidisciplinary approach.



Photos of the last Winter Program

240 hr

TOTAL OF
CLASS-HOURS

Cultural
Immersion

Theoretical-
practical
classes

Technical
Visits

Portuguese
classes for
foreigners

Projects

INFORMATION



May 2nd to June 21st



coi.alunos@mackenzie.br



The program is **tuition-free** for Mackenzie's and partner institutions' students



@coi.mackenzie



Program taught in English (minimum intermediate level)



Undergraduate students interested in STEM topics relating to Brazilian context.

* To apply for a slot, [click here](#) or use the QR code:





STUDY ABROAD

CULTURAL IMMERSION



Society and History

Present Brazilian ethnic-racial diversity in light of its historical-cultural formation. Discuss the dilemmas and problems of Brazilians' everyday life.



Art, Language and Literature

Debate about artistic movements in Brazil and their interactions with contemporary culture, from the notions of modernity and post-modernity.



Brazilian Gastronomy

Address the formation of Brazilian food and gastronomy, considering the cultural, historical and geographical aspects present in the country's roots and hybridity.



Political and Economic Overview

Analyze and reflect on the political and economic transformations in Brazil from the 20th century onwards, within its historical realities.

THEMATIC MODULES



Biodiversity and Environmental Law

Study aspects of Brazilian fauna and flora relating to their respective uses by different communities. Present the biomes and physiognomies diversity associated with cultures and regions in Brazil.

To know and analyze the main Brazilian environmental standards to discuss water and sanitation legislation, regarding biodiversity and waste.



Reverse Logistic and Recycling

Discuss the concept of reverse logistics and solid waste management.

To know the general aspects of recycling in Brazil, focusing on its benefits, mainly environmental and economic.



Health and Water Quality

Study the main waterborne and environmental infectious and parasitic diseases, focusing on transmission and prophylactic measures. Identify elements present in water samples in terms of chemical, physical and biological aspects.



Basic Sanitation and Health

Understand the overview of sanitation conditions in Brazil, critically evaluating public health issues and socio-environmental implications. Develop the theoretical foundations and advanced techniques for sizing the components of a basic sanitation system.



Water Management, Sustainability and Pollution

To know the geography and history of the city of São Paulo to understand the important geopolitical role of the metropolis that was made possible by the management of its waters, in innovative engineering solutions that generated complex contemporary ecological challenges.



Social Impact Project

Understand and apply tools that support an innovative environment. To know and analyze how Brazilian organizations develop and practice innovation. Develop an innovative social impact project.