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Contact Information:	studyinmexico@itesm.mx

Undergraduate Research Program	
Project Name	The Healthy City
Campus & Location in Mexico	Querétaro
Faculty	Architecture and Design
Research Area	Sustainable Territorial Development
Research Responsible	Rubén Garnica Monroy
Description of the Project	<p>As part of Vision 2030, Tec de Monterrey seeks to promote the transformation of cities and communities by, among other things, improving the quality of environments, promoting infrastructure, spaces and conditions that foster dignified community life and the transformation of governments and civil society based on public entrepreneurship and technological innovation.</p> <p>Due to the relevance of the topic, not only because of the pandemic, but also to make our cities more equitable for all inhabitants, it has been decided to work on a research project whose objective is to develop capacities of different actors so that urban planning, management and research processes are guided by the healthy cities approach.</p> <p>The project is in its initial stages, so we seek to understand what are the key urban determinants for Mexican cities that allow us to promote urban health. For this we need to: a) continue with the review of the state of the art in Latin American cities; b) produce information for the different city actors, especially to enable new forms of collaboration; c) document specificities of cities in the context of middle-income economies with a view to their desirable transformation into healthy cities; d) identify potential stakeholders and actors involved in each of the areas of work; e) develop instruments that contribute to the management, design and evolution of healthy cities.</p> <p>The areas in which we will mainly work are the identification and creation of strategies for the reduction of negative factors in the areas of: air quality, urban noise and heat islands.</p> <p>The territory in which we will work will be located in the Metropolitan Area of Querétaro, and will be determined from a previous study (of air pollution), but we will consider the voice of the possible actors, as well as knowing their interests and priorities.</p>
Training Provided	Design of experiments;Elaboration / execution of projects;Planning and efficient search strategies and management of specialized databases
Modality	In Person

Offered During	Summer (5 weeks);Winter (5 weeks);Semester
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Student	
Tasks/Responsibilities	Each student will be in charge of a specific station (1 air quality monitor, sound level meter and thermometer), where he/she will survey building and street surface temperature, noise and air quality.
Required Language Proficiency	Spanish (Medium);English (Medium)
Required Skills and Abilities	It is expected that they know how to handle databases, are willing to do field work (interviews and measurements) and Geographic Information Systems (basic and intermediate level, not essential but preferable).
Other Documents Required to APPLY for an Internship	<ol style="list-style-type: none"> 1) Being at least in your 2nd year of bachelor 2) Accumulative grade point average (GPA) 2.5 3) Official Transcript 4) 2 letters of recommendation of faculty members 5) Resume 6) Letter of intention explaining the reason why you would like to participate in the research program