

# AERONAUTICS INDUSTRY



SUMMER

M X

ONE COUNTRY, THREE CITIES

SUMMER

2022

Queretaro



Chihuahua



Mexico City



# 4 SPEND WEEKS TRAVELING AROUND MEXICO

from July 4 to July 29, 2022

The **iSummerMx Programs** are an innovative academic option designed for International students who love traveling and learning about new cultures. They are **four-week-long** and were created with an **itinerant schedule**, that is, students will travel to different Tec de Monterrey campuses in different cities. This means that students will learn about different parts of the country without ceasing their studies.

Each Tec de Monterrey campus will organize special activities with field trips, company visits, and networking events that will make their experience unforgettable, by creating everlasting memories, exercising their intellectual curiosity, and developing entrepreneurship, innovation, and leadership skills in a multicultural setting.

The programs are based on **experiential learning** so students will learn also outside the classroom by developing real-life collaborative projects with other students. Students will be embarked on Tec de Monterrey's **TEC21** educational model, an ambitious university-wide program to rethink education allowing flexibility as to how, when, and where students learn.

## **Aeronautic Industry Program – Rising Aerospace Industry in Mexico**

This program is designed for students interested in acquiring the basic knowledge and skills to venture as young professionals in the aeronautic industry.

Students will learn about the aeronautic industry ecosystem, key technological trends, and the relevance of this Mexican industry in the international setting.

## **INTERESTING FACTS**

- The world's largest electrical harness plant is located in Mexico
- Mexico hosts one of the main commercial airplane interior design center. It is based in Chihuahua and belongs to the French group Zodiac Aerospace.
- Besides the USA, the largest turbine engineering design center is based in Mexico. It is part of the General Electric group and is located in Queretaro.
- You can find the largest Latin American manufacturing center in Mexico. It has more than 1,170 CNC's and belongs to Honeywell.

# COURSES

Credits per course

3 credits

5 ECTS

8 Tec de Monterrey units

Credit load of  
the program (2 courses)

6 credits

10 ECTS

16 Tec de Monterrey units

Students will learn and advance their skills by taking 2 courses:

## **M 2004 – Aeronautics Fundamentals (taught in English)**

In this course, students will understand and will be able to explain the aerodynamic principles and flight mechanics. They will also learn meteorology concepts, aerial navigation, air travel control and telecommunications as well as the practical principles to carry out a flight.

## **M 3041 – Aeronautical Engineering Project I (taught in English)**

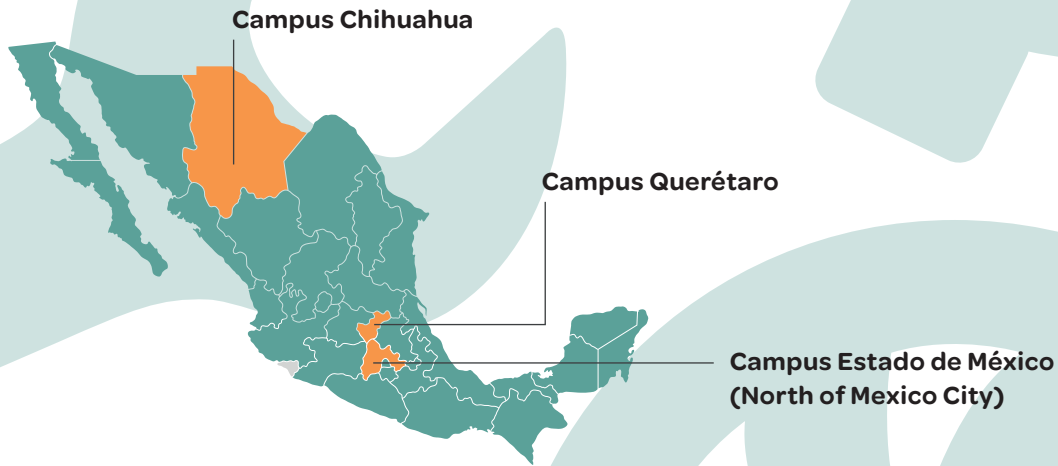
By the end of the course, students will be able to identify the design parameters and requirements that best satisfy the constraints of a multidisciplinary project. A project that integrates knowledge in the areas of mechanics, electronics, controls, and computing with the goal of finding an optimal solution applied to the aeronautical domain.

# CAMPUSES

**Queretaro:** Campus Querétaro is the fourth largest campus in the country with more than 7,000 students, of which 55% are from other states and more than 400 international students from around the world. Queretaro is located in the heart of Mexico, just a two-hour drive from Mexico City. Its great location, modern infrastructure, diversity of people, food, and touristic places make the state one of the best destinations to visit. Queretaro is one of the safest, innovative, and state-of-the-art sectors in industrial production, education, and technology.

**Chihuahua:** The campus opened its doors in 1976. Being located in the largest state of Mexico, in the northern region of the country, the magnificent scenery and unique combination of mountains, canyons, deserts, waterfalls, and fresh clean air provide a spectacular experience. Chihuahua's international presence has grown from its collaboration and work in the aerospace and automotive fields, becoming one of the most important aerospace clusters in Mexico with more than 40 global companies involved.

**Estado de México (North of Mexico City):** It's one of the largest campuses of Tec de Monterrey. It is located in the municipality of Atizapán de Zaragoza. It offers a privileged location by being near to all major Mexico City's attractions, manufacturing clusters, and sights that range from the breathtaking Teotihuacan Pyramids to the amazing buildings of the nearby Reforma area. The campus Engineering faculty is strongly related to the industry.



WHY  
i SUMMER  
**MX** ?

**STANDS FOR**

- INNOVATIVE
- INCREDIBLE
- ITINERANT
- IDEAL
- INTERNATIONAL



Company visits



Conferences with experts



Networking events



Trips

## PROGRAM SCHEDULE

Arrival Day: July 2, 2022	<b>MEXICO CITY*</b>
Orientation Day: July 3, 2022	<b>CAMPUS SANTA FE</b> (West of Mexico City)
WEEK 1 July 4 to July 8	<b>CAMPUS QUERÉTARO</b>
Week 2 July 11 to July 15	<b>CAMPUS ESTADO DE MÉXICO</b> (North of Mexico City)
WEEK 3 July 18 to July 22	<b>CAMPUS CHIHUAHUA</b>
Week 4 July 25 to July 29	<b>CAMPUS QUERÉTARO</b>

The arrival city will be Mexico City to have an orientation with students from other programs. Overnight stay is included in the program fee. After orientation, ground transportation will be provided by Tec de Monterrey to move to the city of Queretaro to begin classes.

## FEES AND TUITION

**\$3800 USD** for independent students.

and **\$1800 USD** for exchange\* students.

\*Nominated by partner institution.

This program includes:

- Housing.
- Transportation for all program activities, including airport pick up on official arrival day and transfer from city to city.

**NOMINATION DEADLINE :**  
**May 6, 2022**

**APPLICATION DEADLINE :**  
**May 13, 2022**

- Breakfast six days of the week
- Tickets to all visits and events of the program
- Student arrival kit
- Health insurance

ITINERANT

INNOVATIVE

INTERNATIONAL

INCREDIBLE

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For more information, please write to:

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**Tecnológico  
de Monterrey**

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