AERONAUTIC INDUSTRY

SUMMER PROGRAM 2019

ONE COUNTRY, THREE CITIES

Queretaro  •  Chihuahua  •  Mexico City  •  Queretaro
The aeronautic industry stands out as a key High-Tec player in the global economy. It has a substantive impact on the competitiveness and development of entire regions. Stakeholders are constantly challenged by the industry’s strong competition, the need for highly qualified personnel, and a resource-intensive commitment to innovation and research.

In the last two decades, the Mexican aeronautic industry stands out as a great example of growth, foreign investment and job creation. Design and manufacturing companies of aircrafts, engines, and other components, as well as maintenance repair and overhaul firms, integrate the dynamic Mexican aeronautic cluster.
INTERESTING FACTS

In Mexico you can find the largest Latin American manufacturing center. It belongs to the Honeywell firm.

Mexico host one of the main commercial airplane interior design center. It’s 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 belongs to General Electric Company which is based in Queretaro.

The world's largest electrical harness plant is located in Mexico.
4 WEEKS TRAVELING AROUND MEXICO
from July 1st to July 26th
The Queretaro campus is the fourth largest in the country with more than 7000 students, 55% of which come from other states.

More than 400 international students of different nationalities are welcomed every year.

Queretaro is located in the heart of Mexico, just a 2-hour drive away from Mexico City. Its great location, modern infrastructure, and excellent diversity of people, food and touristic places makes 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.
Facts about Chihuahua

The campus opened its doors in 1976. Being the **largest state of Mexico** and located in the North area of the country.

The magnificent scenery and unique combination of mountains, canyons, deserts and fresh clean air gives a **spectacular experience** from its uniqueness, especially while seen its beautiful waterfalls and canyons.

Chihuahua’s international presence has grown from its collaboration and work in the **aerospace** and **automotive** fields.

One of the most important Aerospace clusters in Mexico with more than **40 global companies** involved.
Facts about State of Mexico

Sometimes known as Tec CEM, it is one of the largest in the Tecnológico de Monterrey System.

Offers a privileged location near all major Mexico City attractions, manufacturing clusters and sights that range from the breathtaking Teotihuacan pyramids to the amazing buildings of the nearby Reforma area.

The growing industry sector surrounding the campus now includes the development and construction of the New Mexico City Airport, which will be the largest in Latin America.

The campus engineering faculty is strongly related to the industry. CEM has services and facilities that include top-notch classrooms and a Technology Center that combines business, state-of-the-art laboratories and learning spaces.
WHY ¡SUMMER X?!

¡SUMMER X STANDS FOR

- INNOVATIVE
- INCREDIBLE
- ITINERANT
- IDEAL
- INTERNATIONAL
COURSES

Credits per class

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Credits load

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1. M2004 Aeronautics Fundamentals

(Taught in English)

Once the course is finished the student will understand and will be able to explain the aerodynamic principles and flight mechanics. He will know meteorology concepts, aerial navigation, air traffic control and telecommunications; as well as the practical principles to carry out a flight.

2. M3041 Aeronautical Engineering Project I

(Taught in English)

By the end of the course, the student should 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, control and computing, with the goal of finding an optimal solution applied to the aeronautical domain.

During the program students will be challenged to redesign and test an unmanned aircraft. They will also report a business opportunity idea for a prospective home country firm to participate in the Mexican aeronautic cluster.
FEES AND TUITION

$3600 USD for independent students.

$1600 USD for exchange* students.

*Nominated by partner institution.

THE PROGRAM INCLUDES:

✔ Housing.
✔ Full transportation from Monday to Sunday, for all the activities in the program, and between cities.
✔ Breakfast six days per week.
✔ Tickets for all places and events in the program.
✔ Project and academic materials.
✔ Student Kit.

DEADLINE APPLICATION:

May 24th 2019

IMPORTANT:

• PARTNERS: To nominate your students send an email to isummeraero@servicios.itdem.mx including:
  • Students full name
  • Email
  • Academic level
  • Type of exchange (study abroad, exchange, independent)

*Nominated by partner institution.
### WEEK 1: QUERETARO

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<td>M4 Welcome TEO - CUU</td>
<td>M6 Structure &amp; Landing gear</td>
<td>Manufacturing Esprit Workshop</td>
<td>Visita 4 Industrial Honeywell</td>
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WEEK 3  Mexico City

IMPORTANT:
- Official arrival day is June 29th and the official departure day is on July 26th.
- The first night (hotel) in Mexico City is included in the program.
- The welcome event is going to be at Campus Mexico City, after that students are going to Queretaro campus.
- All the transportation to be by bus except to/from Chihuahua Campus.
- Student can participate in an IXTAPA TRIP (not included in fee) that is from 26th to 28th of July.

WEEK 4  QUERETARO
AERONAUTIC INDUSTRY

SUMMER MX

for more info:

isummeraero@servicios.itesm.mx

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