



# **AEROSPACE ENGINEERING**

**VIRTUAL LEARNING EXPERIENCE**

**From Mar 22<sup>nd</sup> to May 03<sup>rd</sup> – 7 weeks**



## Virtual international experiences

***Campus b has been offering top-notch international education experiences since 2010. Over 4,000 students from over 80 universities have already been part of our experiential learning programs. From the beginning of our history, we have offered a hybrid customized program (virtual + in-person), allowing students to start working from home and get the best preparation for their time abroad. More recently, we have launched our full online programs, allowing students in any part of the world to connect and work together to exchange and explore international realities.***

***The following virtual program have been developed in partnership with University of Illinois and will count with Brazilian and American students working in groups on a case competition with an indicated company and real life matters.***



# PROGRAM OVERVIEW

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During 7 weeks undergrad aerospace engineering students from University of Illinois will work in partnership with Brazilian undergrad engineering students on a case competition about issues of a specific real-world problem posed by one of the program's corporate affiliates. It's an experience that mirrors the project team approach used by today's companies.

- **Partner university:** University of Illinois
- **Dates:** from Mar 22<sup>nd</sup> to May 03<sup>rd</sup>
- **Focus:** Case competition - Human-Centered Design Projects
- **Field:** Mechanical and Aerospace engineering
- **Sections:** the main sections will happen every Monday, from 12h00 to 13h20 (Brazilian time)
- **Scholarship to Brazilian students:** 6-8



# LEARNING OUTCOMES

All of our programs are built around **five learning objectives**, which aims to assist participants in building the necessary skill set for the **future leaders of our generation**.



**Intercultural Experience**

Understanding that the world is an entanglement of people with different interests, colors, desires and purposes, that even so can live in harmony and work together.



**Personal Development**

Expand your personal and professional life through experiential activities, interactions with local students, challenges, case competitions and challenges.



**Critical Thinking**

Develop the ability to gather information and analyze situations/problems in a neutral way, in order to propose conciliatory solutions;



**Global Awareness**

Learn about the different challenges, environments and rules of another country, and collaborate in the design of solutions to create a more just and peaceful society.



**Adaptability**

Getting you out of your comfort zone, to expose yourself to new cultures, knowledge, tastes and sounds, so that you can know more about the other and consequently yourself.





## IMPORTANT INFORMATION

- **Certificate:** All the participants will receive a certificate issued and signed by University of Illinois
- **Virtual:** All the activities, classes and group meetings will happen virtually
- **Requirements:** All the Brazilian students interested in join the program needs to be registered in regular university on a undergraduation program level in engineering, After apply the candidates will go on a curriculum analysis and, if needed, an interview in english (the participant is required to have an intermediate / advanced level, between B2 and C2).



# UNIVERSITY OF ILLINOIS

The University of Illinois at is dedicated to building upon its tradition of excellence in education, research, public engagement and economic development. More than 3,000 faculty members discover and create new knowledge. Their work is an economic engine for the state and is recognized with many of the world's top academic and creative awards.



## READY FOR YOUR NEXT CHALLENGE?

Here is a list of potential organizations and companies that have partnered with Campus b for similar programs.

Campus b will brief the company and support them to find a real challenge that students could work on, which would benefit both student's academic learning goals as well as company's development targets.



Gol is a Brazilian low-cost airline based in Rio de Janeiro, Brazil. According to the National Civil Aviation Agency(ANAC), in 2019 GOL had 37.7% of the domestic and 3.8% of the international market shares in terms of passengers per kilometer flown, making it the largest domestic and third largest international airline in Brazil



Embraer S.A. is a Brazilian aerospace conglomerate that produces commercial, military, executive and agricultural aircraft and provides aeronautical services. The company is the third largest producer of civil aircraft, after Boeing and Airbus.

## POSSIBLE ORGANIZATIONS



Azul Brazilian Airlines is based in São Paulo, Brazil. The airline began service in 2008, and today the company is the 3rd largest domestic and 2nd largest international airline in Brazil. The company's business model is to stimulate demand by providing frequent and affordable air service to underserved markets throughout the country.

\*The list above provides a profile on the type of organization Campus B believes that align well with the project scope. The confirmation of any of the organizations mentioned here will depend on company's availability during the dates of the project and the proposal approval.





**CLIENT COMPANY  
QUESTIONS:  
PREVIOUS  
EDITIONS**

## **QUESTIONS FROM PREVIOUS EDITIONS**

The list below provides questions that past participants have encountered while working with client companies in Brazil. These examples are here to give you an idea of the type of question you may have to work on and to get you inspired to participate on the program.

**How to expand our operations to USA?**

**What can our Company learn from American brands and consumers and how would it be adapted & applied in Brazil?**

**How could we establish an open innovation process within my organization?**

**How can we extend and make more effective our e-commerce sales, given the supply chain difficulties ?**

**How can we prepare ourselves for the post-digital era customer experience?**

**How can we create a more efficient Process Management?**

**How to attract new partners and create a network of channels engaged enough to make a significant growth in sales?**



# PROPOSED INTERACTIONS

## ASYNCHRONOUS ACTIVITIES: GROUP MEETINGS

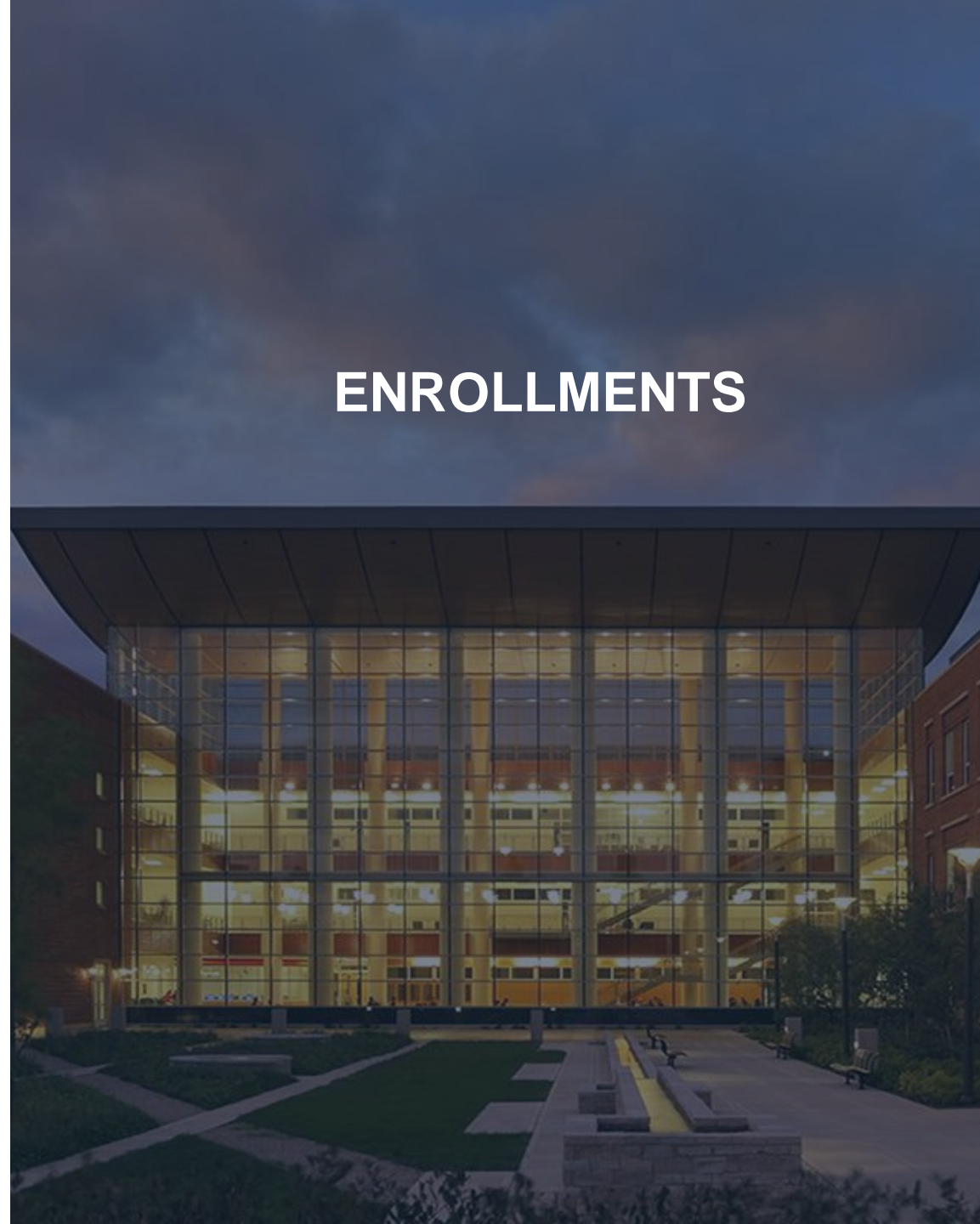
Monday – March 22nd 12:00 –13:20	<ul style="list-style-type: none"> <li>• <b>ORIENTATION SESSION ABOUT THE PROGRAM:</b> 30-minute session presented by Campus B to introduce the program schedule, deliverables, tools &amp; platforms.</li> <li>• <b>ICE-BREAKING ACTIVITY</b></li> </ul>
Monday – March 29th 12:00 –13:20	<ul style="list-style-type: none"> <li>• <b>MEETING WITH THE COMPANY #1:</b> PRESENTATION + PROJECT INTRODUCTION</li> </ul>
Monday – April 05th 12:00 –13:20	<ul style="list-style-type: none"> <li>• <b>GUEST SPEAKER – PROFESSIONAL FROM THE FIELD:</b> 1H presentation + Q&amp;A time with a representative from the field in Brazil such as Embraer, Gol, Latam Airlines or Azul.</li> </ul>
Monday – April 12th 12:00 –13:20	<ul style="list-style-type: none"> <li>• <b>CULTURAL INTEGRATION CHALLENGE (45 minutes)</b></li> <li>• <b>MEETING WITH COMPANY #2 (45 minutes)</b></li> </ul>
Monday – April 19th 12:00 –13:20	<ul style="list-style-type: none"> <li>• <b>LECTURE ON AEROSPACE ENGINEERING MARKET IN BRAZIL:</b> 1H presentation + Q&amp;A time</li> </ul>
Monday – April 26th 12:00 –13:20	<ul style="list-style-type: none"> <li>• <b>MEETING WITH THE COMPANY #3: Q&amp;A WITH COMPANY REPRESENTATIVE:</b> Each group will gather main questions and concerns to validate with company representative.</li> </ul>
Monday – May 03rd 12:00 –13:20	<ul style="list-style-type: none"> <li>• <b>MEETING WITH THE COMPANY #4: FINAL PRESENTATION</b></li> <li>• <b>PROGRAM WRAP UP SESSION:</b> Opportunity to reflect about the program gains and give feedback on the experiences lived during the program. This conversation will be conducted by Campus B coordinator.</li> </ul>

- **APPLICATIONS DEADLINE:** MAR 04th, at 23:59
- **RESULTS:** MAR 09th, at 17:00

**TO ACCESS THE ENROLLMENT FORM PLEASE CLICK ON  
THE FOLLOWING LINK:**

<https://campusb.typeform.com/to/GuBI7obR>

## ENROLLMENTS





Questions?

Talk to us!



**[scholarship@campusb.org](mailto:scholarship@campusb.org)**



**(11) 96980-8677**

