



### **Notre Dame Summer Undergraduate Research Experience Program**

As part of the ongoing celebration of the Bicentennial of Diplomatic Relations between Mexico and the United States, COMEXUS has partnered with the University of Notre Dame to open a call for the International Summer Undergraduate Research Experience (iSURE) Program.

The iSURE program provides opportunities for international undergraduate students to conduct research at the University of Notre Dame. Students will gain valuable hands-on research experience and exposure to broader areas of research. Students work closely with Notre Dame faculty and graduate students on a variety of ongoing research projects.

Upon successful completion of the program, all iSURE participants will receive an official program completion certificate from the University of Notre Dame.

COMEXUS opens the call in Mexico to undergraduate students of Science, Technology, Engineering and Mathematics disciplines a year away from completing their undergraduate programs to participate in the iSURE program on the following tracks.

#### **Track 1 - Computer Science and Engineering**

*Research Topics: cryptography for secure computation & blockchain-based identity management*

#### **Track 2 - Aerospace and Mechanical Engineering**

*Research Topics: wearable robotics; human-machine interaction systems and prostheses*

#### **Track 3 - Aerospace and Mechanical Engineering**

*Research Topics: robot-assisted human training; remote telepresence; robotic exploration of unsafe environments*

#### **Track 4 - Biological Sciences**

*Research Topics: cellular neurobiology; synaptic signaling; neuromodulation of signal transmission in human perception*

t. (+52-55) 5566-91-53 / 5535-71-91

d. Berlín No. 18, 3er. piso Col. Juárez, 06600  
Ciudad de México, México.

[www.comexus.org.mx](http://www.comexus.org.mx)

f. /COMEXUSFulbrightGR  
t. @COMEXUS

### **Track 5 - Physics (Session 1 Only)**

*Research Topics: quantum electronic materials; biomaterials; functional nanostructures*

### **Track 6 - Chemical and Biomolecular Engineering**

*Research Topics: clean energy; sustainable energy processes; catalytic material development*

### **Track 7 - ND Wireless Institute**

Research Topics: wireless communications, spectrum policy, radio systems, millimeter-wave mapping, broadband mapping

### **Track 8 - Electrical Engineering**

*Research Topics: design, fabrication, and characterization of microwave and millimeter-wave devices and circuits; computational security hardware design; communication optimization*

The session will take place from May 30<sup>th</sup> to July 22<sup>nd</sup>. Candidates must be available for this period and meet the following **requirements**:

- 1) Be a Mexican national and do not have U.S. residency or double nationality (Mexico – U.S.) with residency in Mexico
- 2) Be currently enrolled in a Higher Education Institution in Mexico, a year away from completing an undergraduate degree in STEM
- 3) Have a minimum grade point average of 8.5/10
  - a. Due to the brief nature of this application period, applicants may upload their official or unofficial transcripts in Spanish, and an English translation is not required.
- 4) Have a mid or advanced English proficiency score (TOEFL, IELTS and Duolingo accepted, including home editions. Required scores appear in the application link.)
- 5) Have a valid Mexican passport

**Benefits** of receiving this grant from COMEXUS include:

- 1) Assistance with visa, which will have no cost for selected grantees
- 2) Full cost of the university program covered, including medical insurance
- 3) Round-trip flight
- 4) Round-trip transportation to and from airport

In order to apply, fill out the application ([linked here](#)) by March 20, 2023. **Do note:**

- 1) Apply with the fee waiver code "222222" for Question 2 on the application questionnaire
- 2) Select "Project 45" for Question 41 on the application questionnaire
- 3) Indicate that the student is applying through the COMEXUS grant competition on Question 43 of the application questionnaire. Students can also indicate here or in the research statement which track above they are interested in pursuing.

**NOTE: Only candidates who fulfill ALL the aforementioned requirements will be considered.**