The University of Notre Dame will be offering the International Summer Undergraduate Research Experience (iSURE) program during the summer of 2015. The iSURE program provides undergraduate students from China, Mexico, and the United Kingdom with the opportunity to pursue cutting-edge summer research at the University of Notre Dame over a period of eight weeks. Nurture your academic passion by working with Notre Dame faculty and graduate students at state-of-the-art laboratories within one of the most iconic and beautiful university campuses in the United States of America.

You are invited
to the University of Notre Dame

The iSURE program provides opportunities for visiting undergraduate students to participate in engineering and science research at Notre Dame. Program participants will work closely with Notre Dame faculty and graduate students on a variety of ongoing research projects within the College of Engineering and the College of Science. iSURE allows students to gain direct experience on specific research projects, broader areas of science and engineering research, as well as university life in the United States.

The University of Notre Dame is located 100 miles east of Chicago, just outside of South Bend, Indiana. Notre Dame's 1,250 acre campus is comprised of buildings and facilities dedicated to academics, athletics, residential life and spiritual enrichment. Its two lakes, golf courses, hotel and restaurant offerings help make it one of the most beautiful and iconic university campuses in the United States.
College of Engineering

The College of Engineering is composed of the following departments:
- Department of Aerospace & Mechanical Engineering
- Department of Chemical & Biomolecular Engineering & Earth Science
- Department of Civil & Environmental Engineering & Earth Science
- Department of Computer Science and Engineering
- Department of Electrical Engineering

The US $70M Stinson-Remick Hall of Engineering houses a nanotechnology research center, a new Energy Center, an 8,500 square foot semiconductor processing and device fabrication clean room, and an undergraduate interdisciplinary learning center.

College of Science

The College of Science is composed of the following departments:
- Department of Applied Computational Mathematics & Statistics
- Department of Biological Sciences
- Department of Chemistry & Biochemistry
- Department of Mathematics
- Department of Physics
- Preprofessional Studies

The US $70M Jordan Hall of Science is the most innovative science and teaching facility of any university in the United States. Undergraduate students can perform experiments using top of the line instrumentation in the areas of biology, chemistry, and physics.
During the summer of 2014, visiting students participated in a variety of research projects with distinguished Notre Dame faculty from the College of Engineering and the College of Science:

**College of Engineering**
- Critical Meta-path Discovery in Heterogeneous Information Networks
- Development of Mathematical and Computational Tools for Networks and Science
- Exploiting the Power of GPU as Hardware Accelerators
- Nanosensors for Micro-RNA Profiling: Designing Medical Devices for Personalized Medicine
- Characterization and Modeling of GaN-based Transistors for Millimeter-wave Circuits
- Visualization of Changes and Dependences in Software

**College of Science**
- Explorations in Computational Astrophysics
- Malaria Eradication
- Nonclassical Oxygenation Reactions
- Hybrid MPI and CUDA Parallel Programming for Simulating Blood Flow
- Development of Catalysts for the Activation of Carbon Dioxide
- Synthesis and Catalysis of Bimetallic Nanocatalysts
- Semiconductor Nanostructures for Light Energy Conversion

iSURE projects vary each year based on current faculty research. Students are encouraged to visit the iSURE website to learn more about the latest projects offered for summer 2015.

While at Notre Dame, iSURE participants will live in a supervised, on-campus residence hall in a double bedroom with a roommate. Staff is available on-site 24 hours a day to assist students. Residence halls are an important part of community life at Notre Dame. Approximately 80% of Notre Dame undergraduates live on campus, and many stay in the same hall all four years.

Students will also receive a meal card for the duration of the program that can be used at South Dining Hall, located on campus. The meal plan covers 14 buffet-style meals per week.
Explore

During iSURE, program participants will have the opportunity to explore the campus of Notre Dame, South Bend and the surrounding area, as well as the vibrant city of Chicago.

In addition to their campus meal plans, students have a variety of options for food and groceries both at Notre Dame and in the surrounding neighborhoods. On campus, students may choose from several cafés, restaurants, and even a small convenience store. Near campus, there are several shopping centers, including Eddy Street Commons, with restaurants and grocery stores.

Eddy Street Commons is a shopping, dining, and entertainment destination just off campus. Eddy Street Commons features fast food restaurants including Five Guys Burgers and Chipotle Grill, a branch of the Notre Dame Hammes Bookstore, an Urban Outfitters, a 7 Eleven, a hair salon, and several cafés.

The program includes a day-trip to Chicago, Illinois. After a group lunch, program participants will have the opportunity to explore downtown Chicago on their own and visit renowned locations such as Millennium Park, Navy Pier, Shedd Aquarium, and Michigan Avenue.
to apply:

Eligibility
- Undergraduate students, preferably entering their final year
- Outstanding academic transcripts
- High level of English language proficiency. Video conferences or local interviews may be required
- Exceptional motivation, emotional maturity, and a high aptitude for adapting to new environments

Program Cost
US $2,500, which includes:
- Laboratory costs
- All program-sponsored activities
- Housing on campus
- Medical insurance (for the duration of the program only)
- Airport pick up and return from Chicago O’Hare Airport
- Meal plan
- Welcome Dinner
- Dinner reception with participating faculty and the Graduate School
- Day trip to downtown Chicago

Note: Visa application fees and airfare are the applicant’s responsibility. The University of Notre Dame will issue program acceptance letters as required for visa applications.

Application
Interested students should contact their university to inquire into the iSURE program. The initial selection process is internal to each university, and students will be nominated to participate in the program. Once students are nominated by their home university, they will complete a web application on the Notre Dame International Global Engagement Programs website. Upon being admitted to the iSURE program, students will be assigned a faculty mentor at the University of Notre Dame to begin conversations on the summer research project.

Important Dates & Deadlines
November 1: Online application available
February 1: Application deadline
March 1: Decisions sent to applicants
March 15: Confirmation deadline with a non-refundable US $500 deposit
April 1: Visa letters issued by the University of Notre Dame
May 1: Deadline for remaining balance of US $2,000

For additional information, please contact:
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“Notre Dame represents much that is best and most generous in the American tradition.”
Kofi Annan
Former UN General-Secretary