

**TOMO  
DACHI**

# TOMODACHI-STEM

## Women's Leadership and Research Program



**LEHIGH**  
UNIVERSITY



**RICE**



TOMODACHI-STEM Women's Leadership and Research Program は、日本の大学で理工系を専攻する女性の大学生10名を対象とした5週間の研究インターンシッププログラムです。ペンシルバニア州のリーハイ大学とテキサス州のライス大学にて行われ、大学の研究室に属して最先端の研究活動に触れると同時にアメリカの高等教育システムを体験し、米国人学生との交流活動を通して言語や文化を学ぶ機会を提供します。このプログラムは、国際共同研究を通じて理工学研究に興味を持つ日本人女子学生にアメリカとの連携のきっかけを提供することを目的としています。

TOMODACHI-STEM Women's Leadership and Research Program is a leadership and research program for women that combines real-world experience in science and engineering research with an introduction to U.S. higher education and opportunities for career exploration, English language enrichment, cultural engagement and collaboration with U.S. students.

Hosted by Lehigh University in Bethlehem, Pennsylvania, and Rice University in Houston, Texas – two of the top research universities in the U.S. – the program includes a three-week virtual experience and a five-week research internship. It is limited to just 10 participants, allowing for a personalized experience.

Visit [go.lehigh.edu/tomodachistem](http://go.lehigh.edu/tomodachistem) to learn more and apply.

### 2021-2022 Program

September 7-24, 2021 *Virtual*

**Orientation and program foundation**

Learn about career development, research investigation, team building and cultural exchange

February 12-March 14, 2022  
*Lehigh University or  
Rice University*

**Research experience**

Join a U.S. research laboratory and gain hands-on experience guided by a graduate student and professor

March 15-17, 2022  
*Houston, Texas*

**Full cohort experience**

Meet full cohort and tour NASA and Dow Chemical

### Research Opportunities

Each participant is matched with a research experience that aligns with her academic interests. Host labs are in Lehigh's P.C. Rossin College of Engineering and Applied Science and College of Arts and Sciences and Rice's George R. Brown School of Engineering and Wiess School of Natural Sciences. Possible areas of study include:

- astrophysics and astronomy
- biology and behavioral neuroscience
- chemical and biomolecular engineering
- chemistry
- electrical and computer engineering
- materials science and nanoengineering
- mathematics and statistics
- physics

### PROGRAM COSTS

There is no fee for TOMODACHI-STEM. It includes:

- travel from Tokyo to the U.S.
- double occupancy accommodations
- international health insurance

Program participants are responsible for additional expenses, including:

- travel to and from Tokyo
- passport, SEVIS and visa fees
- lunches and dinners during the five-week internship
- sight-seeing and personal expenses

### ELIGIBILITY CRITERIA

The program is open to applicants who are:

- female degree-seeking undergraduate students majoring in science or engineering
- 18 years old or older
- Japanese citizens or permanent residents
- sufficiently fluent in English to successfully conduct research in a U.S. university lab

### HOW TO APPLY

The deadline is August 13, 2021. To apply, visit:

[go.lehigh.edu/tomodachistem](http://go.lehigh.edu/tomodachistem)