

徵求 2021/2022 年 TOMODACHI-STEM at Lehigh University and Rice University

女性大學部學生赴美國理海大學/萊斯大學短期研究交流

計畫簡述	<p>TOMODACHI-STEM at Lehigh University and Rice University (STEM: Science, Technology, Engineering and Mathematics) 是包含為期三周線上課程以及為期五周的短期研究實習結合而成的計畫，由美國萊斯大學 Prof. Junichiro Kono 為理工專長之優秀日本大學部女學生所設計的研習課程，主旨在介紹美國高等教育、文化交流體驗，並開拓學生世界觀與理工相關研究經驗，啟發學生未來立志於科研工作，從 2016 年迄今已進入第六屆。今年的活動海報如附件。</p> <p>今年由科技部駐波士頓科技組爭取到台灣學生參與此計畫的機會，將於 2021 年 9 月提供線上課程，以及 2022 年 2 月赴美的短期研習。期望能拓展學生國際視野，並提升台灣的國際能見度。</p> <p>今年擬開放五個名額給「臺灣國立大學系統」各大學大學部 STEM 領域女學生申請，以大二與大三在學學生優先。</p>	
計畫期程	September 7-24, 2021 Virtual	<p>Orientation and program foundation Prepare for the internship and learn about career development, research investigation, team building and cultural exchange</p>
	February 12-March 14, 2022 Lehigh University or Rice University	<p>Research experience Join research laboratories in Lehigh University or Rice University and gain hands-on experience under the mentorship of professors</p>
	March 15-17, 2022 Houston, Texas	<p>Full cohort experience Meet full cohort and tour NASA and Dow Chemical</p>
徵求期間	即日起至 110.8.10	
對象/資格	中華民國國籍且在臺灣之大學校院就讀 STEM 相關領域之在學學士生， 限女性，大二與大三在學學生優先。	
徵求名額	5 名	
經費	本計畫費用由國立中興大學及傑出校友支付	
外語能力證明 *註： 不限證書期限	<ol style="list-style-type: none"> 「托福網路測驗(TOEFL IBT)」78 分(含)以上。 「國際英語測驗(IELTS)」6 級(含)以上。 「英國劍橋大學國際英文認證(Cambridge Certificate)」FCE (含)以上。 「多益測驗(TOEIC)」785 分(含)以上。 「全民英語能力分級檢定(GEPT)」中高級複試(含)以上。 	
申請方式	申請人應備齊公告申請表(含外語能力證明等佐證文件)及歷年成績單，將申請資料電子檔 1 份寄至 icast@nchu.edu.tw(承辦人：黃慧萱 04-22840502 #186)，經審核通過後核定補助；文件不全或不符合規定者，不予受理。	

TOMODACHI-STEM

at Lehigh University and Rice University

TOMODACHI-STEM 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.

2021-2022 Program

September 7-24, 2021
Virtual

Orientation and program foundation

Prepare for the internship and 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 under the mentorship of 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
- electrical and computer engineering
- biology and behavioral neuroscience
- materials science and nanoengineering
- chemical and biomolecular engineering
- mathematics and statistics
- chemistry
- physics



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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 18, 2021. To apply, visit:

go.lehigh.edu/tomodachistem