

UNIVERSITY of HOUSTON

THE WILLIAM A. BROOKSHIRE DEPARTMENT OF  
CHEMICAL AND BIOMOLECULAR ENGINEERING

# ACS BRIDGE PROGRAM IN CHEMICAL AND BIOMOLECULAR ENGINEERING

*is Currently Accepting Student Applications*



Click Start your Bridge Fellow Application today!

Interested applicants are strongly encouraged to contact the **UH ChBE Bridge Team** at [chbebridge@uh.edu](mailto:chbebridge@uh.edu).

## What is the ACS Bridge Program at UH ChBE?

*The ACS Bridge Program (ACS BP) mission is to strengthen the chemical sciences in the United States by increasing the number of underrepresented minority students who receive doctoral degrees in chemical sciences.*

As part of a national effort, the Inclusive Graduate Education Network (IGEN), ACS BP is doing this by creating sustainable transition (bridge) programs and a national network of doctoral-granting institutions that provide substantial mentoring for students to successfully complete graduate degree in the chemical sciences and engineering.

The UH Department of Chemical and Biomolecular Engineering (UH ChBE) will grow its community of Black, Hispanic, and Native graduate students catalyzed with a Bridge grant from the American Chemical Society (ACS). Bridge Fellows from historically underrepresented groups will be afforded a welcoming environment with long-term career opportunities.

## How the Program Works

**Students with undergraduate degrees in chemical engineering, chemistry, or physics are encouraged to apply.** UH ChBE Bridge Fellows will take a customized set of courses, conduct research with a research advisor, be mentored by a faculty member and senior doctoral student, and participate in evaluated professional development activities. Fellows will be connected with the many companies that partner with UH ChBE, which will enhance opportunities for individual growth, networking, and future employment. The Fellows will be supported by UH's multicultural and multiracial campus population, and form ties to culturally relevant communities in Houston.

## How to Apply

Admission to the UH ChBE ACS Bridge program is initiated with an **application consisting of the following:**

- Undergraduate transcript
- Personal statement
- 2-4 recommendation letters

Interested applicants are strongly encouraged to contact the **UH ChBE Bridge Team** at [chbebridge@uh.edu](mailto:chbebridge@uh.edu). Priority will be given to applicants who submit their materials by April 23rd.

# WHY CHOOSE UH?



## Houston, Texas



## University of Houston



Learn more about UH at: [www.egr.uh.edu](http://www.egr.uh.edu)

## William A. Brookshire Department of Chemical & Biomolecular Engineering



Houston, the country's fourth largest city with 2.3 million residents, is a vibrant, **international community committed to cultural and commercial progress**, with an extraordinary mix of world-class arts, affordable housing, excellent school districts, booming business, diverse population and a time-honored spirit of enterprise.



When comparing Houston's economy to a national economy, only **21 countries excluding the United States have a gross domestic product exceeding Houston's regional gross area product**.



**Houston ranks second in employment growth rate** and fourth in nominal employment growth among the 10 most populous metro areas in the U.S.



Home to **over 5,000 energy related firms**, Houston is considered by many as the **energy capital of the world**.



Houston's economy has a **broad industrial base in the energy, aeronautics, and technology industries**: only New York City is home to more Fortune 500 headquarters.

### TierONE

The University of Houston is more than a Carnegie-designated Tier One public research university; we are a community of groundbreakers and innovators. We are marketplace leaders. We are thought provokers. We are transforming education. This is Cougar nation.



The University of Houston is ranked as the second **most ethnically diverse major research universities** in the United States (*U.S. News & World Report, 2018, 2019*).



Students come to UH from more than **137 nations and from across the world**.



Listed as one of the 2019 **Best Colleges in the U.S.** (*Princeton Review's "Best Colleges" Book*). (*U.S. News & World Report, 2017, 2018, 2019*).



**One of the "Best Engineering Schools"** (*U.S. News & World Report, 2017, 2018, 2019*).



University of Houston is ranked #7 in **Best Online Graduate Education Programs**. Schools are ranked according to their performance across a set of widely accepted indicators of excellence (*U.S. News & World Report, 2021*).



**#33 Best Chemical Engineering Graduate Program** in the United States (*U.S. News & World Report, 2021*)



**Top 20 Chemical Engineering Doctoral Program in the United States** (*National Research Council*)



**Expansive interdisciplinary and collaborative research programs**



**Recognized for research excellence in biomolecular engineering**, catalysis and reactions, energy and environment, materials and polymers, transport and separations, and process and materials design computing.



### ENGINEERING CENTERS & CONSORTIA:

*Collaborations with industry and both internal to UH and Engineering and external research enterprises is a tenet of our Department. The faculty leads and participates in the following Centers and Consortia:*

- The Texas Center for Clean Engines, Emissions, and Fuels
- Nanofabrication Center
- Center for Carbon Management in Energy
- Hewlett-Packard Enterprise Data Science Institute
- Texas Center for Superconductivity
- The International Polymers and Soft Matter Consortium (IPSMC)
- Welch Center of Excellence in Polymer Chemistry