

# U.S.-JAPAN HIGHER EDUCATION RESEARCH PARTNERSHIPS

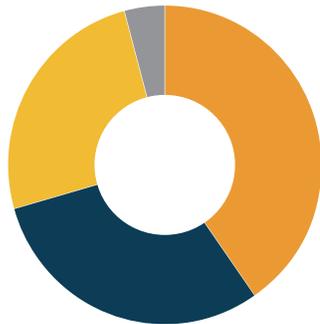
Research collaboration and exchange are a growing source of partnership activity for U.S. and Japanese higher education institutions. The strength of the U.S.-Japan higher education partnership is led by shared values in research collaboration, including the COVID-19 response, the digital economy, national security-focused investment screening, quantum sciences, artificial intelligence, space exploration, biosciences, and a wide range of emerging technologies.

This infographic highlights data collected from 2017 to 2020 on over 2,300 research programs at the institutional partnership level housed in ACE's U.S.-Japan Higher Education Engagement Study.

## RESEARCH PROGRAMS' TOP AREAS OF FOCUS

The majority of U.S.-Japan research revolves around tackling global challenges that include, but are not limited to:

- Disaster response and emergency management
- Precision agriculture
- Data sciences and informatics
- Cybersecurity
- Smart technology
- AI robotics



- 40% physics
- 30% health sciences
- 25% physical sciences
- 4% humanities

## RESEARCH PROGRAMS BY THE NUMBERS

Between the U.S. and Japan there are at least

**1,942** collaborative research programs

**474** consortium research programs

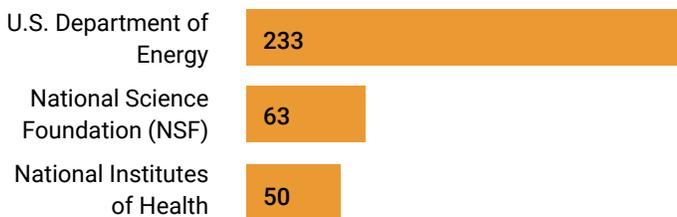
Top U.S. institutions are University of Hawaii at Manoa, Harvard University, and University of California, Berkeley.

Japan's top institutions are Waseda University, University of Tokyo, and Tohoku University.

## SUPPORT FOR U.S. AND JAPANESE RESEARCH CONSORTIA

U.S. and Japanese government agencies heavily support U.S. and Japanese university research consortia.

### Top U.S. government agencies by number of funded programs



### Top Japanese government agencies by number of funded programs

