An Alliance Overview

Dr. Taylor Eighmy, President
The University of Texas at San Antonio
The Alliance of Hispanic Serving Research Universities

Established June 2022

Led by presidents and chancellors

Supported by:

• Cross-institutional affinity groups
• Partnership working groups
• Executive Director

21 of 149 Carnegie R1s | 21 of Dept. of Education 559 HSIs
Alliance Goals to Ensure our 21st Century Science & Engineering Enterprises

By 2030

“ENSURING OUR NATION’S 21st CENTURY SCIENCE AND ENGINEERING ENTERPRISES”

Double the number of Hispanic doctoral students enrolled at our 21 universities

Increase by 20% the Hispanic professoriate in our 21 universities

Strategic, Impactful and Scaled Mutually Beneficial Partnerships Between The Alliance and DOE, DOD, NSF, and NIH to Ensure our Talent Pipelines and National Discovery Enterprise
The Alliance of Hispanic Serving Research Universities
## Alliance Strength ('21 Data)

<table>
<thead>
<tr>
<th>Category</th>
<th>Data</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Enrollment</td>
<td>837,136</td>
</tr>
<tr>
<td>Low-Income Students</td>
<td>36%</td>
</tr>
<tr>
<td>undergraduates received Pell grants</td>
<td></td>
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<tr>
<td>32% Hispanic</td>
<td></td>
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<tr>
<td>Total Degrees Awarded</td>
<td>204,751</td>
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<tr>
<td>Full-Time Hispanic Faculty</td>
<td>3,332</td>
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<tr>
<td>29% Hispanic</td>
<td></td>
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<tr>
<td>9.1% of all faculty</td>
<td></td>
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<tr>
<td>Total Ph.Ds. Awarded</td>
<td>7,000</td>
</tr>
<tr>
<td>Post Docs Enrolled</td>
<td>3,941</td>
</tr>
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Alliance Research Metrics for ‘21 (NSF HERD Data)

Across our 21 Universities:

- $7.3 billion Total Annual Research Expenditures
- $3.59 billion Total Annual Federal Research Expenditures
- $0.227 billion Total Annual DOE Research Expenditures
- $0.521 billion Total Annual DOD Research Expenditures
- $0.629 billion Total Annual NSF Research Expenditures
- $1.67 billion Total Annual DHHS Research Expenditures
Alliance Member Formal Relationships By DOE Lab
DOE Hubs Involving Alliance Member Institutions & DOE Labs (*host or co-host)

DOE ENERGY INNOVATION HUBS

Critical Materials Institute
ASU, UA & AL*, INL, LLNL, ORNL

NAWI
ASU, TAMU, UCI, UIC, UT Austin, UTEP & ANL, INL, LBNL*, LLNL, NETL, NREL, ORNL, SNL,

JCESR
UIC, UT Austin & ANL*, LBNL, SLAC, SNL,

JCAP
UCI*, & LBNL, SLAC
DOE National QIS Research Centers Involving Alliance Member Institutions & DOE Labs (*host)

**DOE NATIONAL QIS RESEARCH CENTERS**

- **Q-NEXT**
  - UCSB & ANL*, SLAC, PNNL

- **C^2QA**
  - CUNY, UCSB, UIC & AL, BNL*, JL, PNNL

- **Quantum Systems Accelerator**
  - UNM, UT Austin, & LBNL*, SNL

- **Quantum Science Center**
  - UCSB & FL, LANL, ORNL*, PNNL

- **SQMS**
  - UA & FL*, AL, JL
DOE Manufacturing Innovation Institutes Involving Alliance Member Institutions (*host) & DOE Labs

DOE MANUFACTURING INNOVATION INSTITUTES

**CESMII**
UA, UCI, UTEP

**CYMANII**
TTU, UCI, UT Arlington, UT Austin, UTEP, UTSA* & INL, ORNL, SNL

**PowerAmerica**
TTU & ANL, NREL, SNL

**RAPID**
TAMU, TTU, UA, UH, UT Austin & ANL, INL, NETL, NREL, PNNL, SRNL

**REMADE INSTITUTE**
ASU, UCSB, UCI & AL, ANL, INL, NREL, ORNL, PNNL

**HSRU (ALLIANCE OF HISPANIC SERVING RESEARCH UNIVERSITIES)**
DOE Energy Frontier Research Centers Involving Alliance Member Institutions As Hosts (*host) & DOE Labs

DOE ENERGY FRONTIER RESEARCH CENTERS

- **UCI** & LLNL, ORNL, PNNL
- **CUNY, UCI** & LLNL, NREL, SNL
- **UCSA, UT Austin** & LBNL
- **TAMU** & LBNL, NREL, SNL
- **UA** & NREL
- **ASU*, UCR** & SNL

*host* indicates the lead institution in each center.
DOE Energy Frontier Research Centers Involving Member Institutions (*host)

DOE Energy Frontier Research Centers With Alliance Member Institutions As Partners & DOE Labs

- ASU, & BNL, NREL, SLAC
- CUNY, TAMU & PNNL
- UIC & ANL
- UTEP & LANL, NREL
- UCSB & ANL, LBNL
- UCSC & NREL
- UTEP & ORNL
- UT Austin & BNL, LBNL
- UCF & LANL
- UCSB & ANL, LBNL

Center for High Precision Patterning Science (CHiPPS)

Center for Lignocellulose Structure and Formation (CLSF)
DOE Energy Frontier Research Centers With Alliance Member Institutions As Partners & DOE Labs

**DOE ENERGY FRONTIER RESEARCH CENTERS**

- UCSB, UH
- UIC & SLAC
- UCSB, UIC & AL, ANL, LANL
- UTSA & INL, ORNL
- TAMU, UCSB & ORNL
- UTSA & LANL, PNNL
- UT Austin & ORNL
- UCSB & BNL
- UCI, UT Austin & LLNL
- UCR & ORNL, SNL
- Center for Programmable Energy Catalysis
- Quantum Sensing and Quantum Materials (QSGM)
- Center for the Advancement of Topological Semimetals (CATS)
- Synthetic Control Across Length-scales (SCALAR)
- iCOUP
- Center for Energy Nano-Technologies (CENT²)
- HSRU
Alliance Member Centers, Institutes and Affiliated Programs Funded By DOE

- ASU, UA
- UCI
- UCR
- UCSB
- UCSC
- FIU
- UCF
- UIC
- UNLV
Alliance Member Centers, Institutes and Affiliated Programs Funded By DOE

TAMU
Ocean Energy Safety Institute
SETx URBAN IFL
Smart Grid Center
TEES Texas A&M Engineering Experiment Station
Center for Excellence in Nuclear Training and Research

TTU
growing STEMS
The Hub

CU-D
CO-LABS
ADVANCED SCIENCE RESEARCH CENTER
THE GRADUATE CENTER
CITY UNIVERSITY OF NEW YORK

CUNY

UNT
UT Austin
ZØE Laboratory

UTA

UTSA
NATIONAL SECURITY
COLLABORATION CENTER

HSRU
ALLIANCE OF HISPANIC SERVING RESEARCH UNIVERSITIES
The Alliance of Hispanic Serving Research Universities

- Similar developmental focus with DOD, NSF, NIH
- Engaging U.S. Congress
- Engaging U.S. Department of Education
- Continuing to evolve strategic relationships
- Look forward to further coordination with APLU