



# MSIPP

Minority-Serving Institution  
Partnership Program

## National Nuclear Security Administration Minority Serving Institution Partnership Program

The mission of the Minority Serving Institution Partnership Program (MSIPP) is to create and support a sustainable career pathway that prepares a diverse workforce of talented students to make immediate and significant contributions to the Nuclear Security Enterprise (NSE).

Through our work, we seek to:



### STRENGTHEN AND EXPAND

MSI science, technology, engineering, and math (STEM) educational and/or research capacity in Department of Energy (DOE) and National Nuclear Security Administration (NNSA) areas.



### GROW

the number of MSIPP students who graduate with STEM degrees.



### DEVELOP

collaborations between MSIs and the DOE/NNSA enterprise that increase interactions to provide MSIs direct access to DOE/NNSA STEM resources.



### INCREASE

the number of MSIPP graduates and post-doctoral students hired into DOE/NNSA workforce.

## MSIPP Consortia Collaborations

### MSI and DOE/NNSA NSE Partnerships Enhance STEM Education

MSIPP supports consortia-based proposals through competitive grant funding to selected MSIs. Award recipients work in collaboration with the DOE/NNSA Nuclear Security Enterprise (NSE) to align curriculum and education focus areas to the NSE mission areas of interest. Consortia institutions and NSE partners strengthen and expand their STEM capacity by developing student enrichment programs, creating innovative courses, increasing scientist-to-scientist interactions, engaging faculty in technical meetings and activities, and advancing opportunities to access NSE laboratories and facilities.

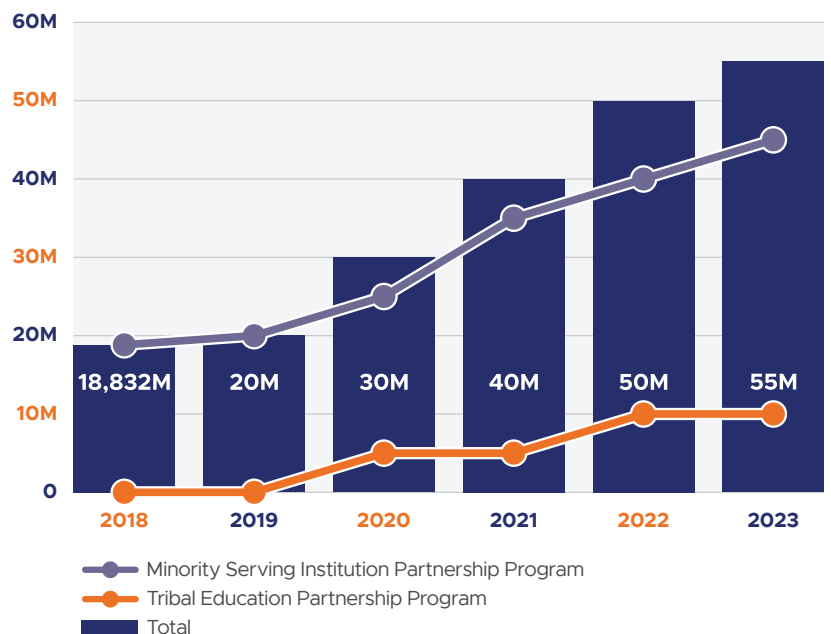
## MSIPP Educational Impact in FY22



## 2022 Impacts and Outcomes



## Funding Growth



# Supporting the Nuclear Security Enterprise

MSIPP addresses the critical need to develop the future workforce for the DOE/NNSA NSE. Consortia collaborations work to build pathways between MSIs and national laboratory, plant, and site partners to strengthen ties between students' academic pursuits and future career opportunities. By investing in the students and researchers of today, MSIPP is supporting the national security experts of tomorrow.

## NNSA MSIPP | Developing a Diverse Future Workforce

FY22

### 1,122 Total Students Supported

**9**  
Post-Doctorates

**108**  
Doctoral Students

**147**  
Master's Students

**9**  
High Schoolers

**764**  
Four-Year Undergraduate Students

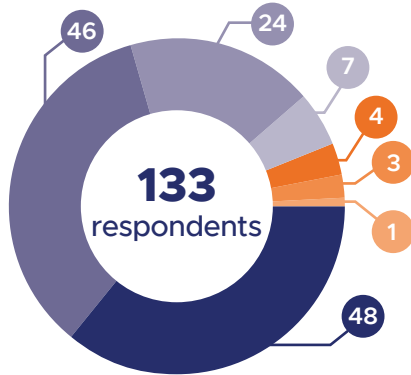
**39**  
Two-Year Undergraduate Students

### MSIPP Student Demographics FY22

Reported from the MSIPP Annual Student Survey (159 Students Participated)

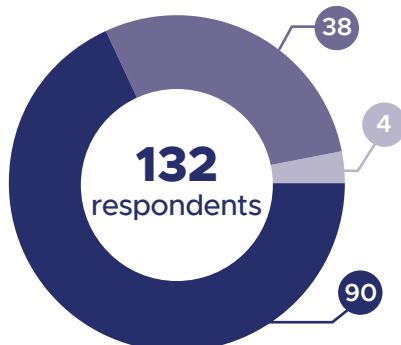
#### Race

- Latinx
- Black or African American
- White or Caucasian
- Asian or Asian American
- American Indian or Alaska Native
- Two or More Races/Ethnicities/Other
- Prefer Not to Disclose



#### Gender

- Male
- Female
- Prefer Not to Disclose



### MSI and NSE Collaborations

**51** Faculty Visits to National Security Enterprise Sites

**95** National Security Enterprise Visits to MSIs

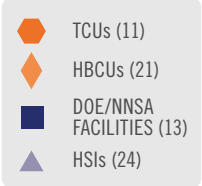
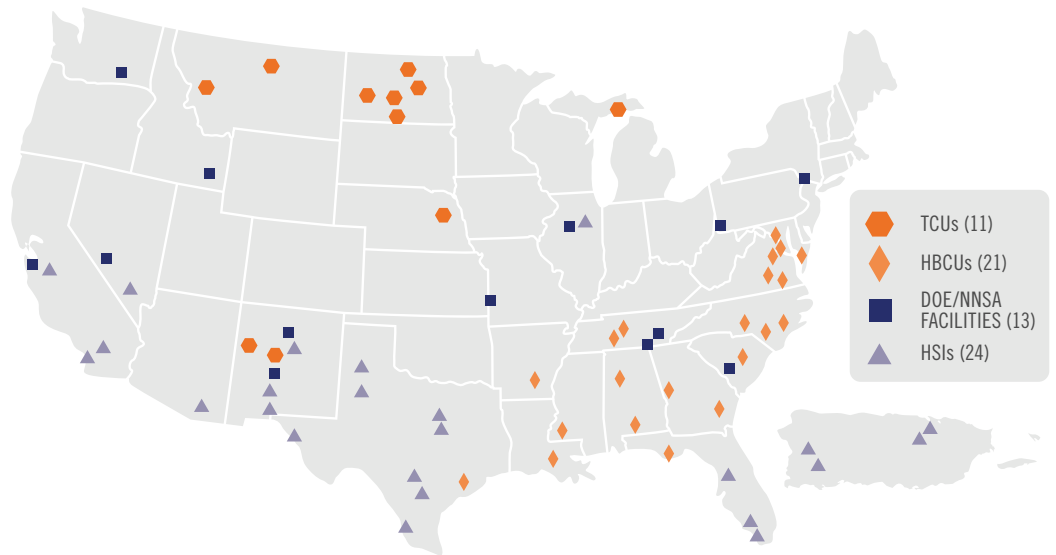
**750** MSI-NSE Meetings Across All Consortia



FY22 MSIPP Students Visiting Seattle

# Number of Institutions Participating in MSIPP in FY22

- Alabama A&M University
- Alabama State University
- Alcorn State University
- Ana G. Méndez University (SUAGM)
- Amarillo College
- Argonne National Laboratory (DOE)**
- Bay Mills Community College
- Benedict College
- Brookhaven National Laboratory (DOE)**
- Cankdeska Cikana Community College
- Delaware State University
- Elizabeth City State University
- Fisk University
- Florida A & M University
- Florida International University
- Howard University
- Idaho National Laboratory (DOE)**
- Inter American University of Puerto Rico - San German
- Kansas City National Security Campus (NNSA)**
- Lawrence Livermore National Laboratory (NNSA)**
- Los Alamos National Laboratory (NNSA)**
- Miami Dade College
- Morehouse College
- Morgan State University
- National Energy Technology Laboratory (DOE)**
- Navajo Technical University
- Nebraska Indian Community College
- Nevada National Security Site (NNSA)**
- New Mexico Institute of Mining and Technology
- New Mexico State University
- Norfolk State University
- North Carolina A & T State University
- North Carolina Central University
- Nueta Hidatsa Sahnish College
- Oak Ridge National Laboratory (DOE)**
- Pacific Northwest National Laboratory (DOE)**
- Prairie View A & M University
- Salish Kootenai College
- Sandia National Laboratories (NNSA)**
- Savannah River National Laboratory (DOE)**
- Savannah State University



**TCU:** Tribal Colleges and Universities

**HBCU:** Historically Black Colleges and Universities

**HSI:** Hispanic Serving Institutions

- Sitting Bull College
- Southern University of Baton Rouge
- Southwestern Indian Polytechnic Institute
- St. Mary's University
- Stone Child College
- Tennessee State University
- Texas Tech University
- Turtle Mountain Community College
- United Tribes Technical College
- University of Arizona
- University of Arkansas, Pine Bluff
- University of California Merced
- University of California Riverside
- University of California Irvine
- University of Central Florida
- University of Illinois at Chicago
- University of New Mexico
- University of Nevada, Las Vegas
- University of North Texas
- University of Puerto Rico – Mayaguez
- University of Puerto Rico – Rio Piedras
- University of Texas at Arlington
- University of Texas at El Paso
- University of Texas Rio Grande Valley
- University of Texas at San Antonio
- University of the District of Columbia
- Virginia State University
- Y-12 National Security Complex (NNSA)**

**Sofia Pinzon**  
Former MSIPP Student  
Current R&D II Engineer  
Los Alamos National Laboratory





MSIPP is a very valuable program because not only does it give students the opportunity to connect with national laboratories, but it allows students to gain so much more hands-on experience in research laboratory settings. It also gives students the opportunity to meet, network, and learn from different scientists/engineers/researchers. For someone like me who did not have too much knowledge about the national labs and how to get into research, I think MSIPP is such a valuable program because it provides students with so many resources and opens the door for them to enter research settings.



■ DOE/NNSA Facilities