Workforce Development & Education
BERKELEY LAB

Impact Report

Inspiring and preparing the next generation of scientists, engineers, technologists, and STEM professionals, Berkeley Lab **Workforce Development & Education (WD&E)** offers a range of programs for undergraduate, postbaccalaureate, graduate students, and faculty.

To find out more about WD&E and our programs, go to **education.lbl.gov**

BERKELEY LAB

U.S. DEPARTMENT OF ENERGY | Office of Science

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science.osti.gov/wdts

22-OAO-3037-2021

Berkeley Lab

Workforce Development & Education

Our Approach

Programs are developed and executed according to Core Requirements and Model Practices established by the **Department of Energy (DOE), Office of Science, Workforce Development for Teachers and Scientists (WDTS)**. For more information: **https://science.osti.gov/wdts**

WD&E programs align with the 2018 Committee on STEM Education (CoSTEM) 5-Year Plan on STEM Education of the National Science and Technology Council, Executive Office of the President of the United States.

WD&E PROGRAMS

BLUFF Berkeley Lab Undergraduate Faculty Fellowship
BLUR Berkeley Lab Undergraduate Research
CCI Community College Internship
EERE Energy Efficiency & Renewable Energy
GEM Graduate Degrees for Minorities for Engineering and Science
MLEF Mickey Leland Energy Fellowship
SCGSR Office of Science Graduate Student Research
SOAR Soar for Youth
STEM CORE
SULI Science Undergraduate Laboratory Internship
VFP Visiting Faculty Program

Enrichment Activities & Deliverables

Spring, Summer, Fall Sessions 2021

Papers	STEM/Networking Activities	Posters
103	28	100

Science Areas

Number and Percentage of Interns†

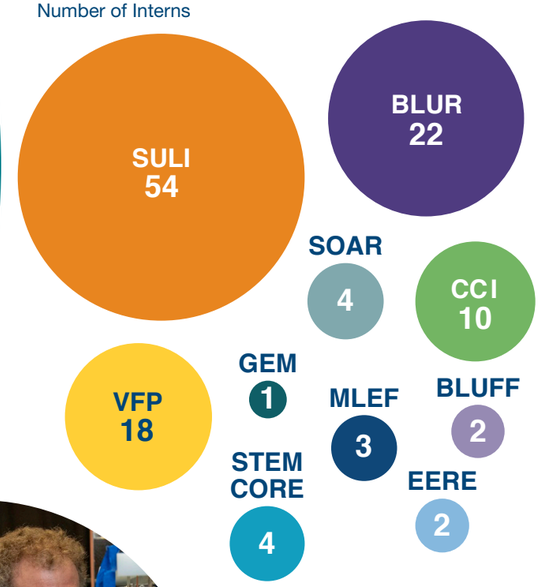
Computing Sciences	Physical Sciences	Earth & Environmental Sciences	Energy Sciences	Energy Technologies	Biosciences	Operations
36	24	20	19	10	9	2
30%	20%	17%	16%	12%	8%	2%

By the Numbers: 2021

Total Number of Interns: **120**

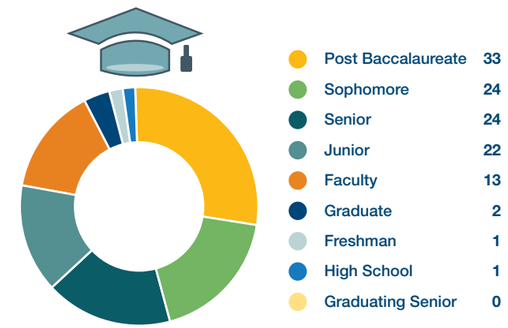
Internship Programs

Number of Interns



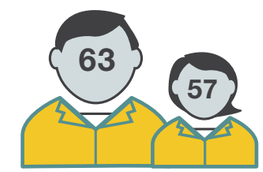
Academic Status

Number of Interns†



Male/Female Ratio

Number of Interns†

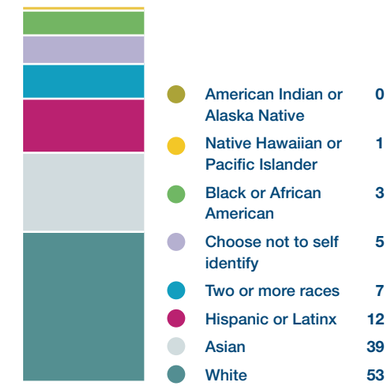


19%

of the participants are Underrepresented Minorities (URMs) American Indian or Alaska Native, Black or African American, Hispanic or Latinx, Native Hawaiian or Pacific Islander, and two or more races

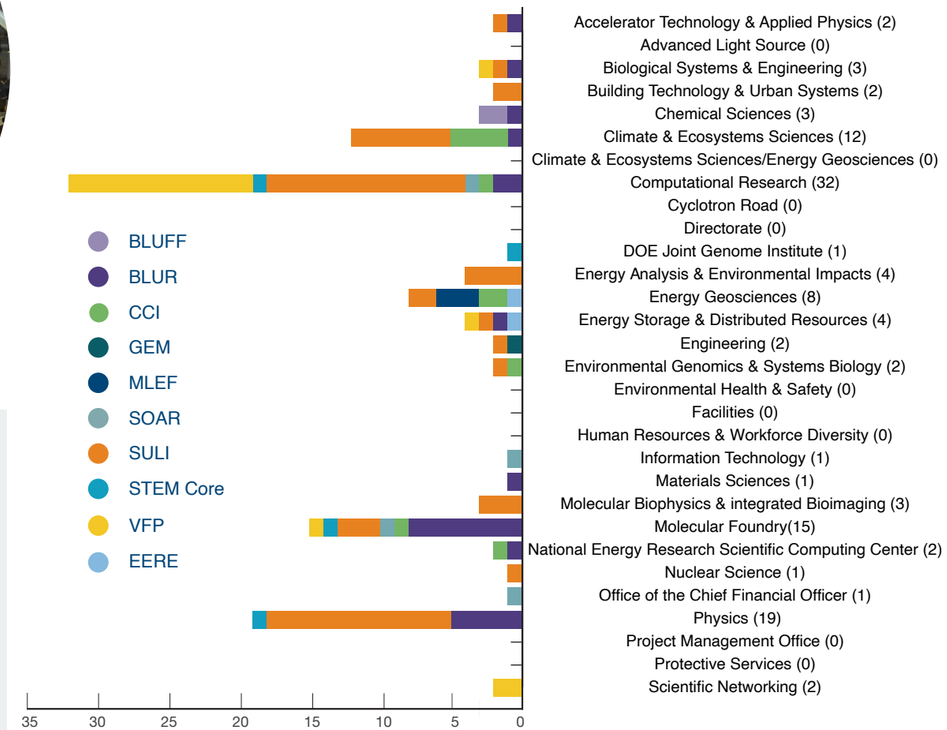
Ethnicity

Number of Interns*



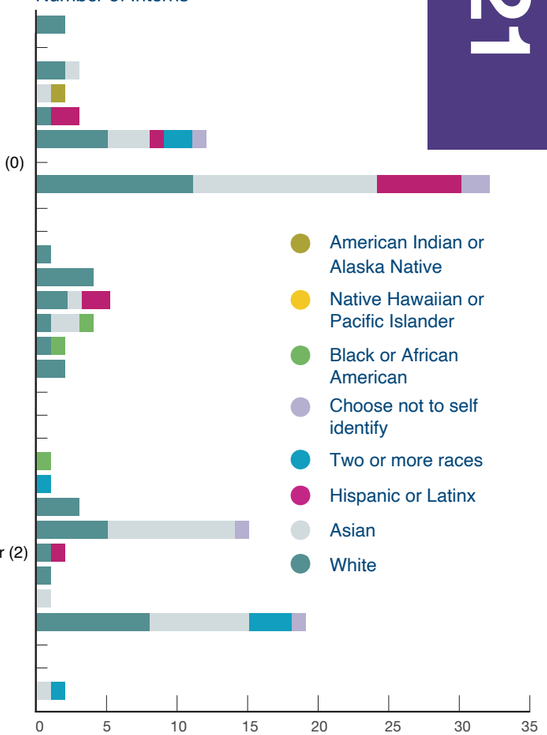
Internship Programs by Division

Number of Interns



Ethnicity by Division

Number of Interns†



†Does not include SCGSR interns.

Berkeley Lab

Workforce Development & Education

By the Numbers: 2017 – 2021

Berkeley Lab is one of the **TOP 5 LARGEST NATIONAL LABORATORY PROGRAMS** in the DOE Office of Science Workforce Development for Teachers and Scientists

"I have been contributing to WD&E internship programs for 10+ yrs and I remain impressed with the success of its programs in supporting students in the STEM fields while improving diversity, inclusion, and equity in Berkeley Lab. Working with WD&E program coordinators and interns has been a great inspiration and learning experience for me."

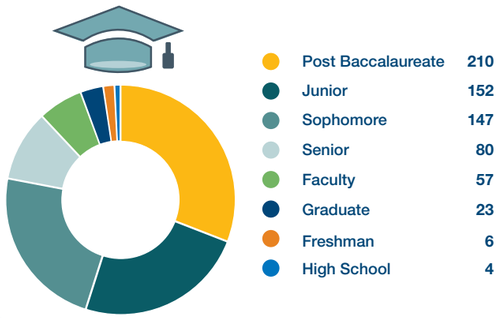
— Neslihan Taş,
Research Scientist
Earth and Environmental Sciences

Total Number of Interns 2017 – 2021: 679

28% of the participants are Underrepresented Minorities (URMs) American Indian or Alaska Native, Black or African American, Hispanic or Latinx, Native Hawaiian or Pacific Islander, and two or more races

Academic Status

Number of Interns†

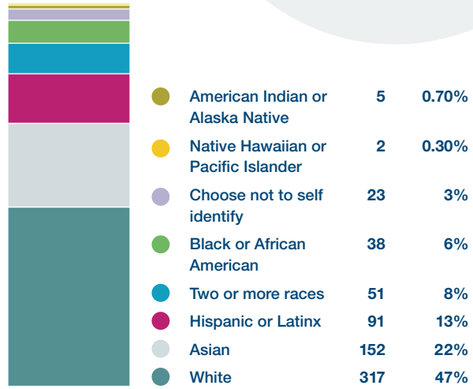


Male/Female Ratio

Percentage of Interns†

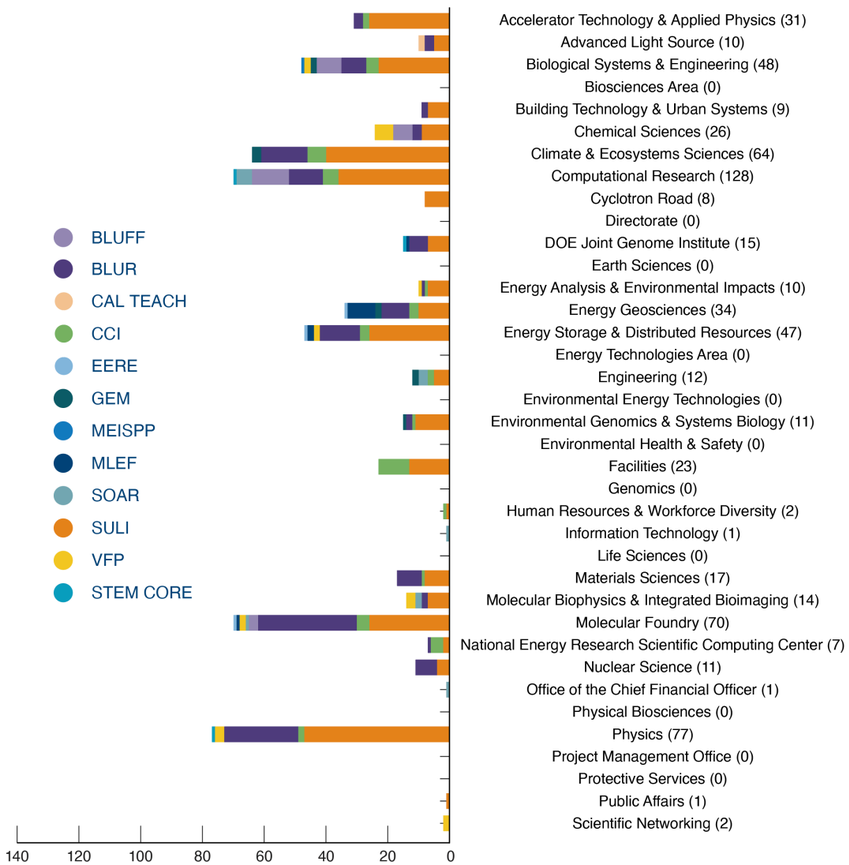
Ethnicity

Number and Percentage of Interns†



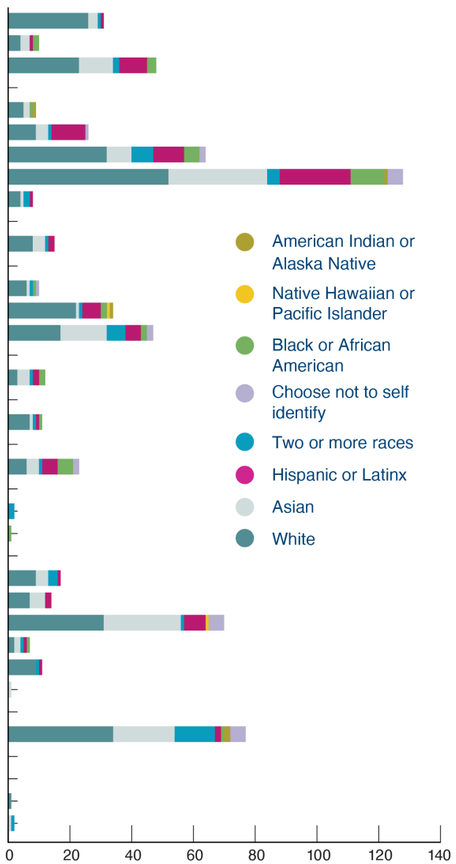
Internship Programs by Division

Number of Interns



Ethnicity by Division

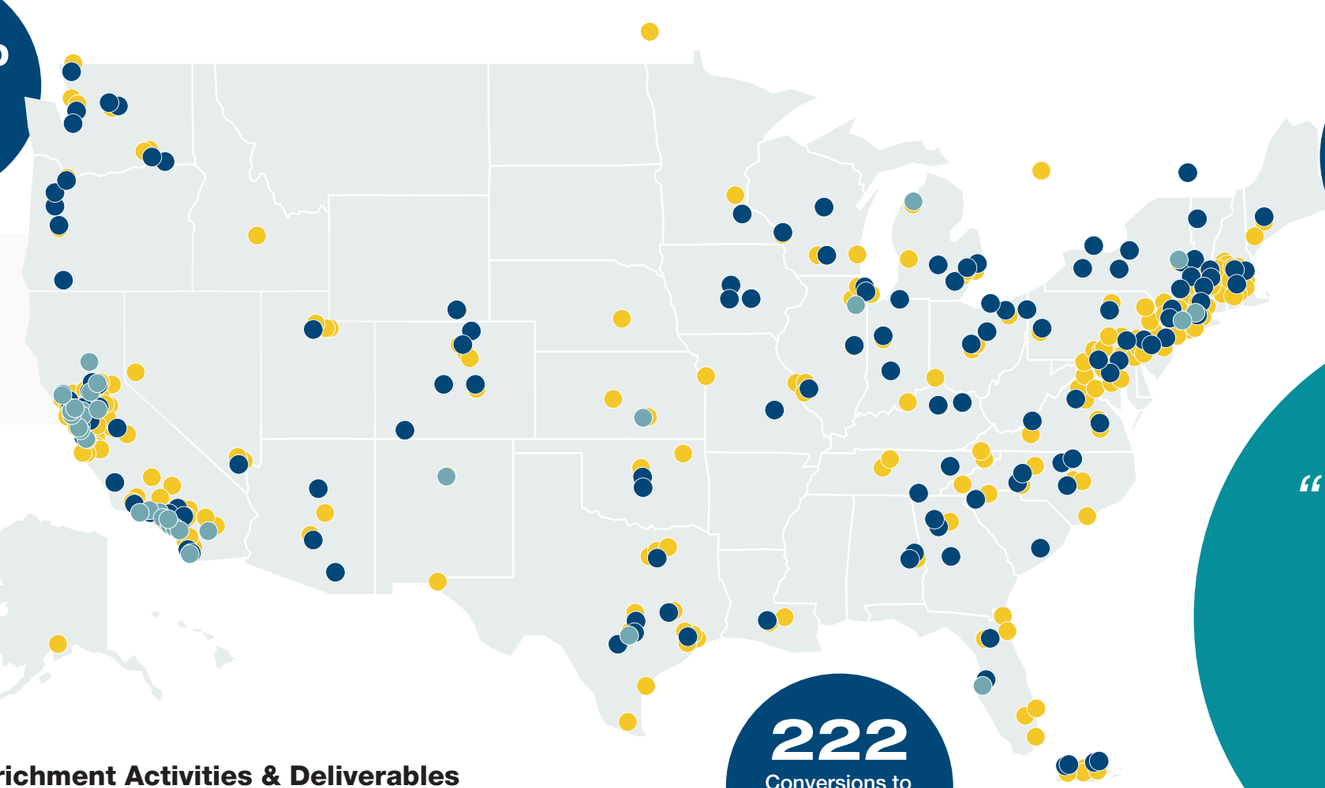
Number of Interns†



†Does not include SCGSR interns.

Our Interns Come from Across the US

23% of Interns are repeat participants



2 Year Community Colleges	37
4+ Year Universities	185
Home Cities*	329

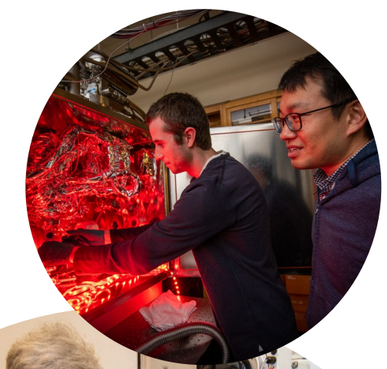
* Not shown: Ahmedabad, India

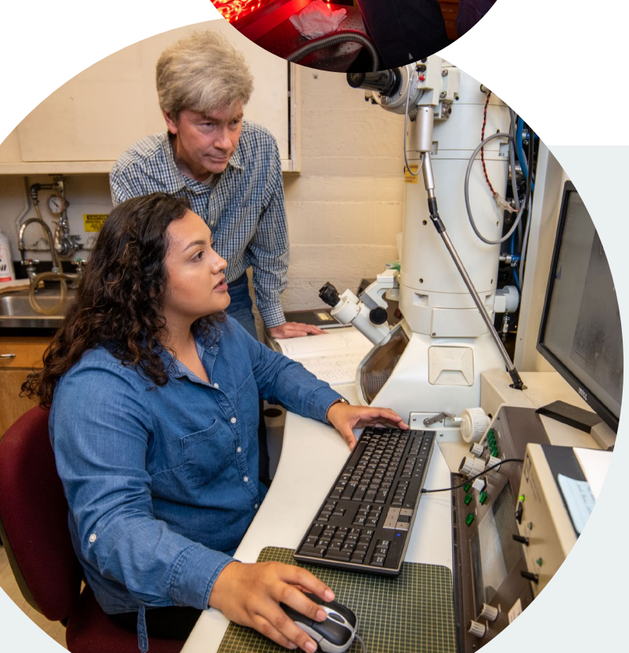
453 Mentors participated from 2017 – 2021

222 Conversions to hired positions from 2017 – 2021

"This internship has not only helped me gain valuable research experience as a community college student, but also the opportunity to connect with fellow interns and an extraordinary mentor."

— Sarah Feng
CCI Fall 2021





Enrichment Activities & Deliverables

Spring, Summer, Fall Sessions 2017 – 2021

Papers	STEM/Networking Activities	Posters
612	155	599

Science Areas

Number and Percentage of Interns†

Computing Sciences	Physical Sciences	Earth & Environmental Sciences	Energy Sciences	Energy Technologies	Biosciences	Operations
137	131	99	122	74	88	28
20%	19%	15%	18%	11%	13%	4%

The WD&E Team
Shown from left to right:
Top: Colette Flood, Laleh Coté, Nakeiah Harrell
Middle: Joe Crippen, Janique Ernest, Ingrid Ockert
Bottom: Brieanna Wright, Julio Jaramillo, Emely Bermudez

†Does not include SCGSR interns.