

To find out more about WD&E and our programs, go to [education.lbl.gov](https://education.lbl.gov)



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.



[lbl.gov](https://lbl.gov)

[science.osti.gov/wdts](https://science.osti.gov/wdts)





# 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 2022



Papers  
86



STEM/Networking Activities  
34



Posters  
85

### Science Areas

Number and Percentage of Interns\*



Physical Sciences

30

30%



Computing Sciences

27

27%



Energy Sciences

15

15%



Earth & Environmental Sciences

10

10%



Energy Technologies

7

7%



Biosciences

11

11%



Operations

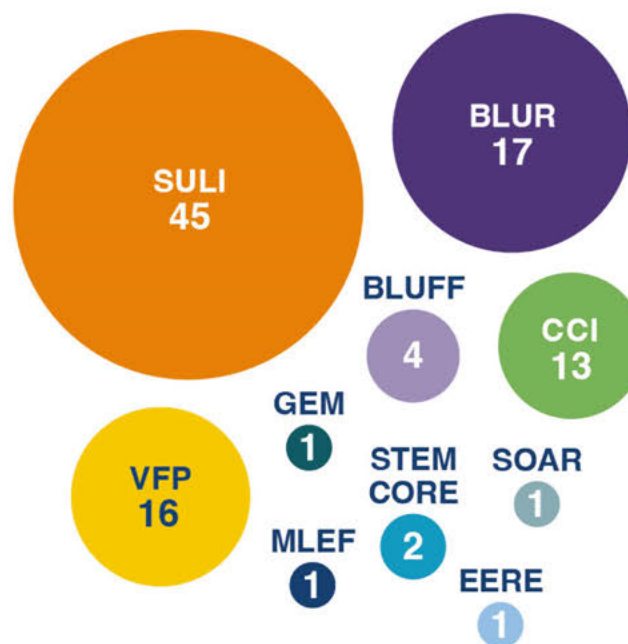
1

1%

Total Number of Interns: **101**

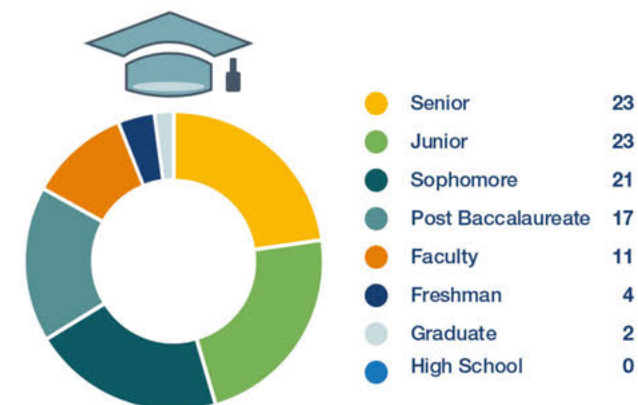
### Internship Programs

Number of Interns



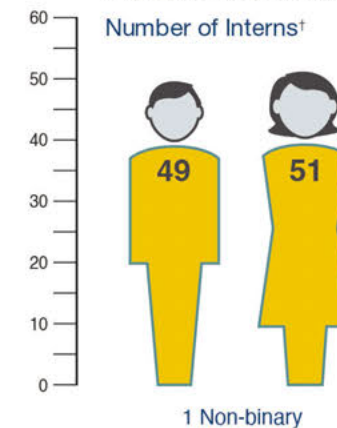
### Academic Status

Number of Interns\*



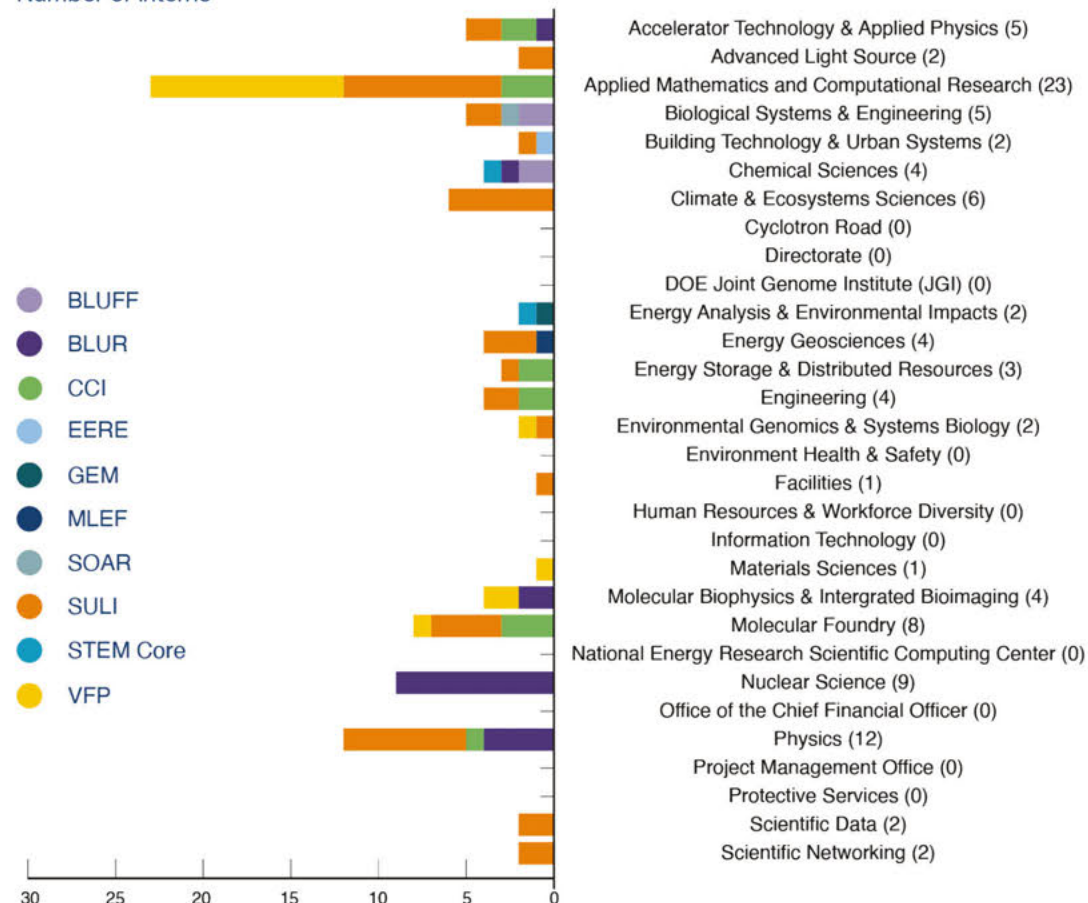
### Male/Female Ratio

Number of Interns\*



### Internship Programs by Division

Number of Interns

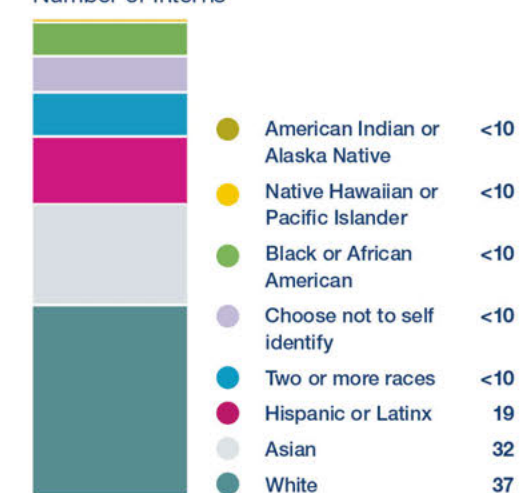


**28.7%**

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

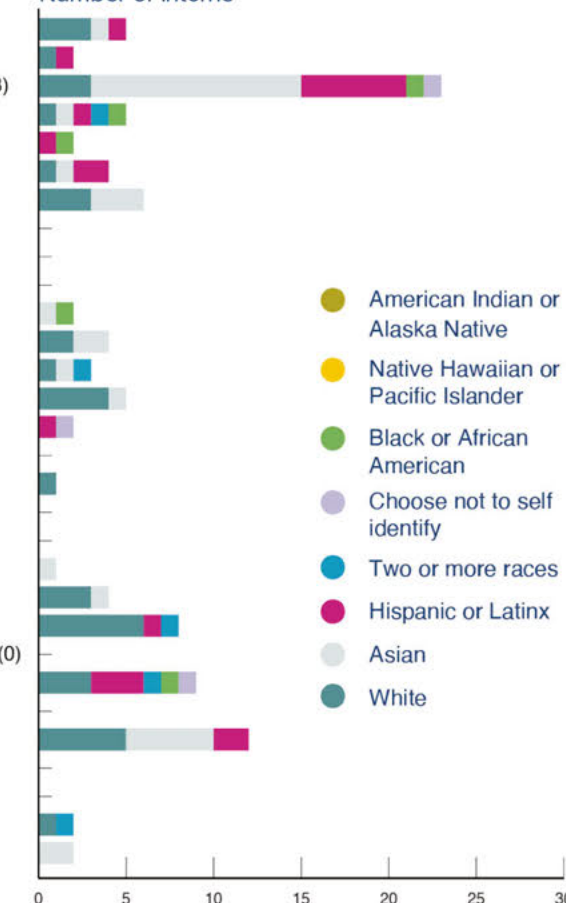
### Ethnicity

Number of Interns\*



### Ethnicity by Division

Number of Interns\*



\*Does not include SCGSR interns.

By the Numbers: **2022**



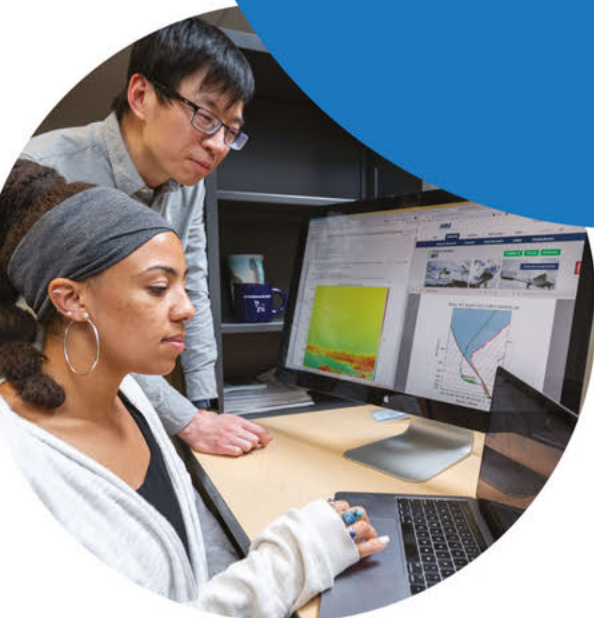
# Berkeley Lab

## Workforce Development & Education

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

“The interns I had the opportunity to supervise at Berkeley Lab have always had great motivation and a strong desire to learn. Some of the small research projects sometimes have led to whole new areas of inquiry — and it’s always an immense pleasure to see them thrive, get accepted in grad school and become scientists in their own rights.”

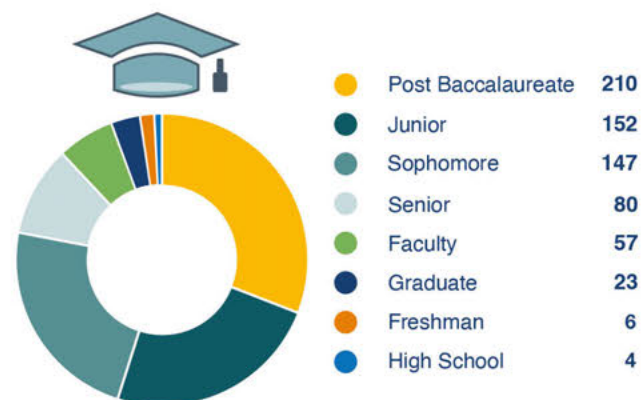
— Antoine Wojdyla,  
Research Scientist  
Advanced Light Source



Total Number of Interns 2018 – 2022: **638**

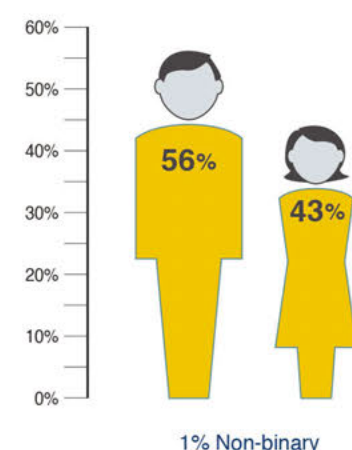
### Academic Status

Number of Interns<sup>†</sup>



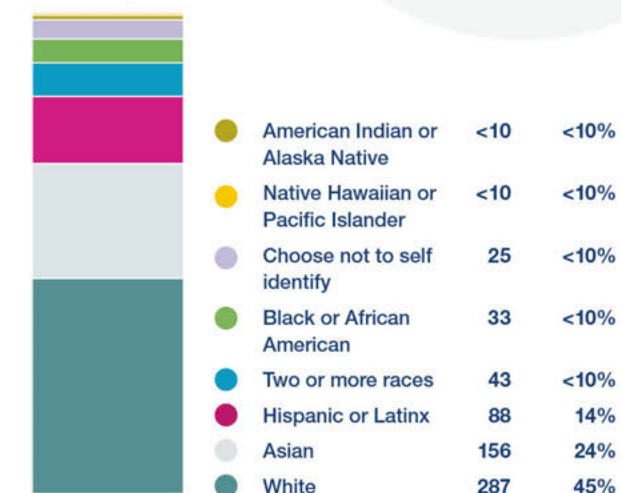
### Male/Female Ratio

Percentage of Interns<sup>†</sup>



### Ethnicity

Number and Percentage of Interns<sup>†</sup>

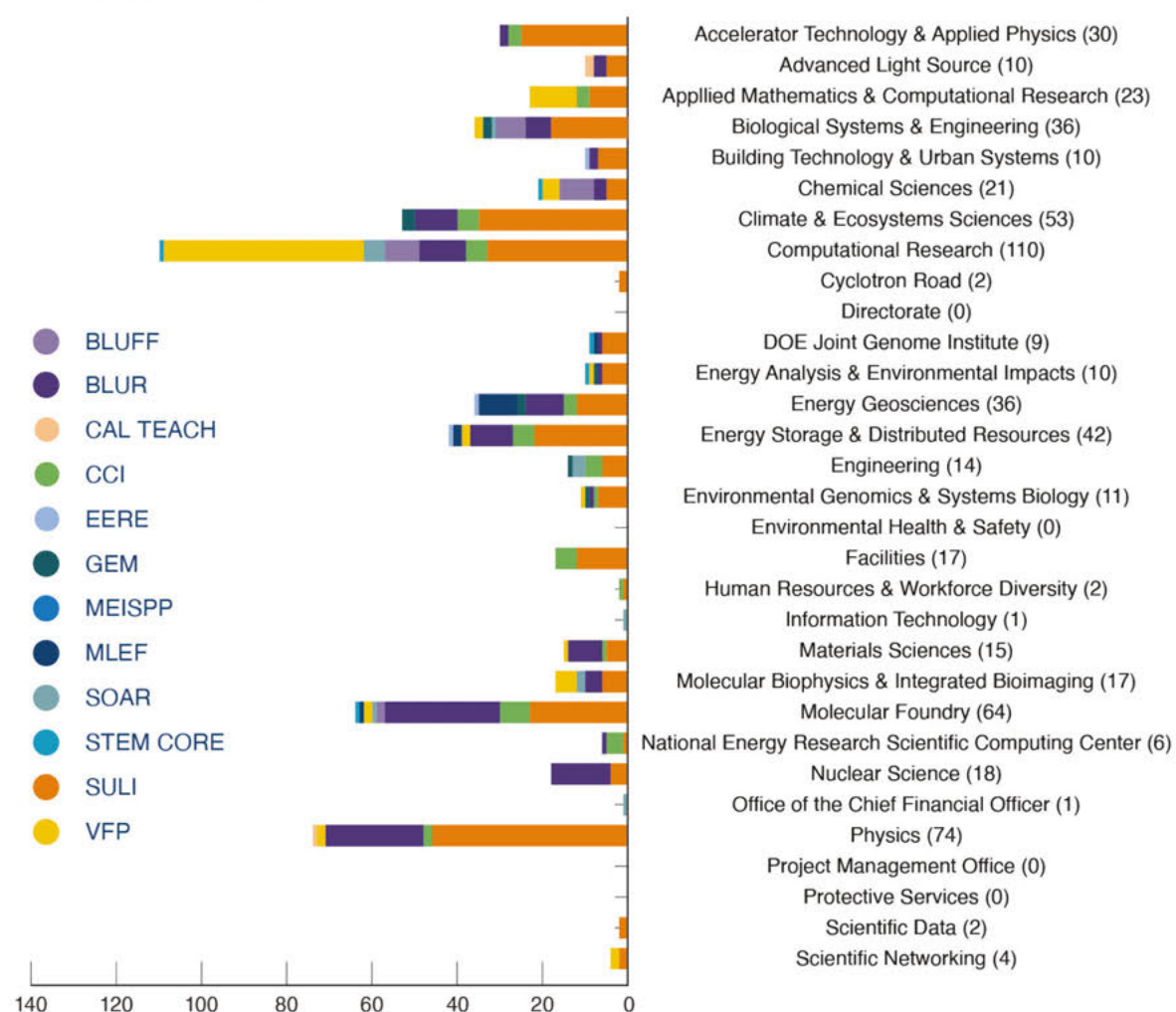


**26.7%**

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

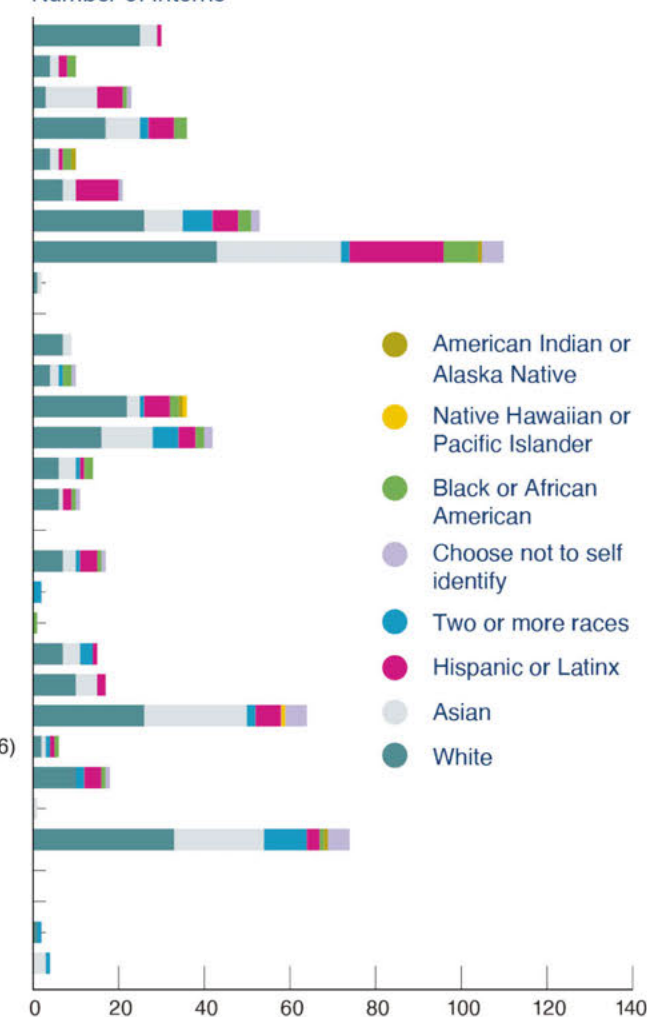
### Internship Programs by Division

Number of Interns



### Ethnicity by Division

Number of Interns<sup>†</sup>



<sup>†</sup>Does not include SCGSR interns.

By the Numbers: 2018 – 2022



Our Interns Come from Across the US

23%  
of Interns are repeat participants

456  
Mentors participated from 2018 – 2022

- 2 Year Community Colleges 44
- 4+ Year Universities 169
- Home Cities\* 355



\* Not shown: Ahmedabad, India

240  
Conversions to hired positions from 2018 – 2022

“This was a phenomenal experience that made me realize that I belong to science, as well as gave me confidence in the potential I have as a biochemist/ molecular biologist. It was an honor being an intern at Berkeley Lab.”

— Dabne Herrera Huerta  
Fall 2022



Enrichment Activities & Deliverables

Spring, Summer, Fall Sessions 2018 – 2022



Papers  
569



STEM/Networking Activities  
163



Posters  
556

Science Areas

Number and Percentage of Interns†

Computing Sciences	Physical Sciences	Energy Sciences	Earth & Environmental Sciences	Energy Technologies	Biosciences	Operations
145	136	109	90	64	73	21
23%	21%	17%	14%	10%	11%	3%



The WD&E Team  
Shown from left to right:  
Top: Colette Flood,  
Laleh Coté, Nakeiah Harrell  
Middle: Joe Crippen,  
Janique Ernest, Ingrid Ockert  
Bottom: Brianna Wright,  
Julio Jaramillo, Ernesto Herrera Jr.

†Does not include SCGSR interns.