

To find out more about WD&E and our programs, go to 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

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

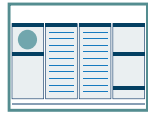
Spring, Summer, Fall Sessions 2021



Papers
103



STEM/Networking Activities
28



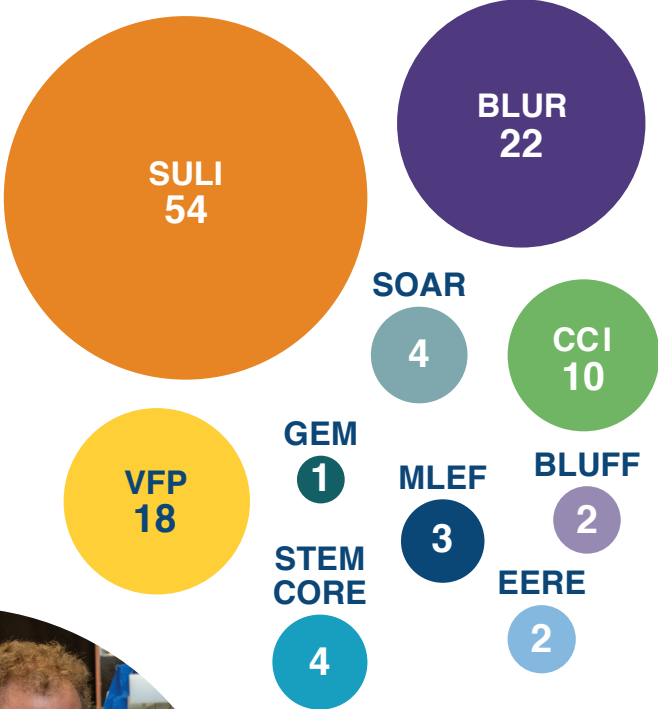
Posters
100

Science Areas

Number and Percentage of Interns[†]

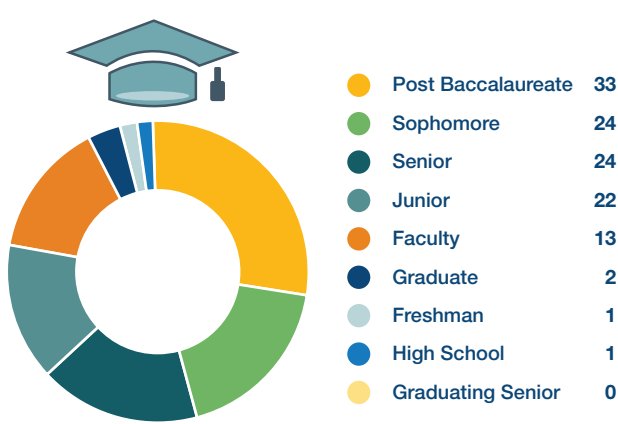
Computing Sciences	Physical Sciences	Earth & Environmental Sciences	Energy Sciences	Energy Technologies	Biosciences	Operations
36	24	20	19	10	9	2
30%	20%	17%	16%	12%	8%	2%

Internship Programs
Number of Interns

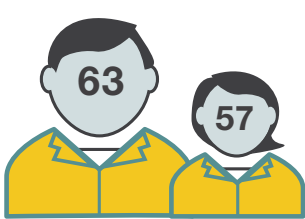


Total Number of Interns: 120

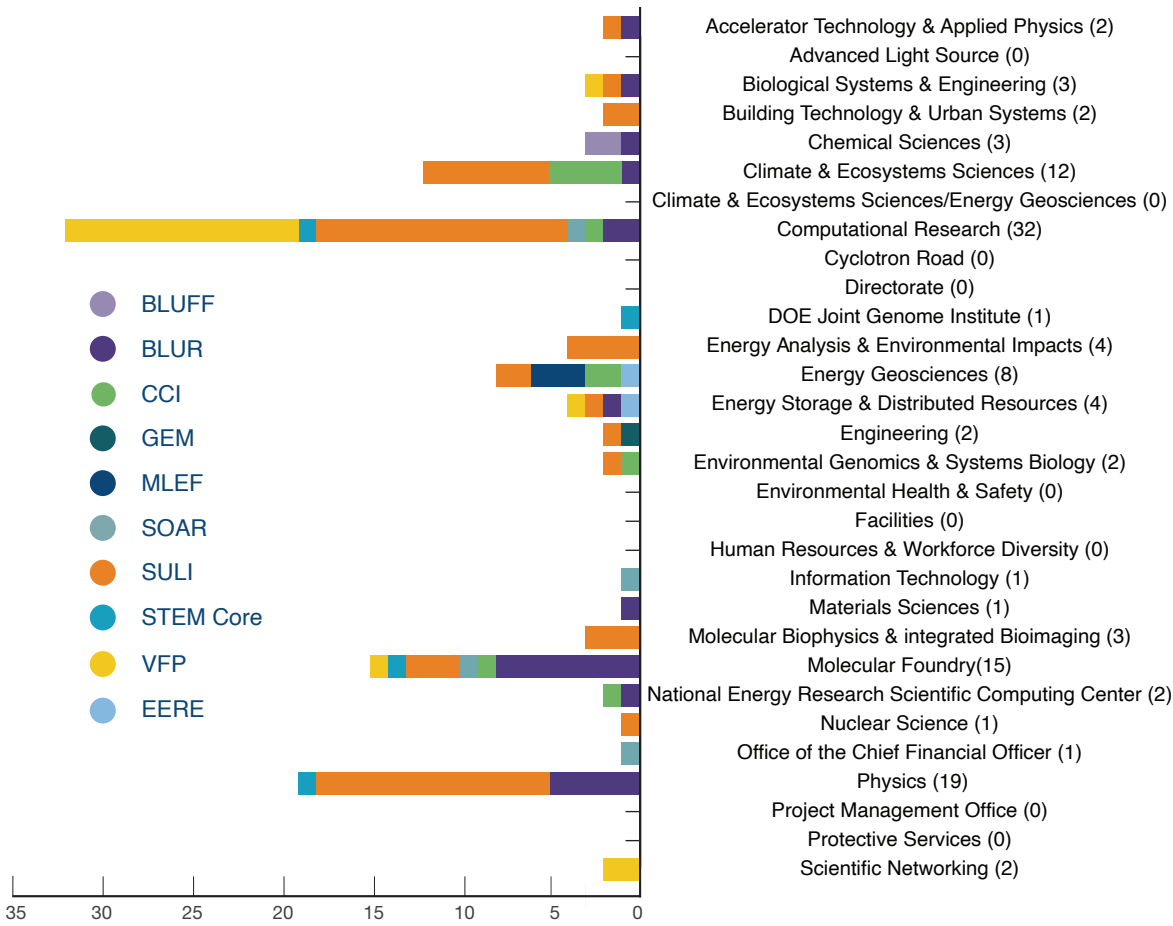
Academic Status
Number of Interns[†]



Male/Female Ratio
Number of Interns[†]



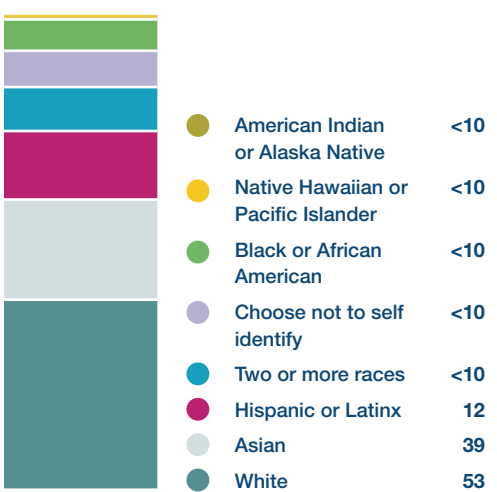
Internship Programs by Division
Number of Interns



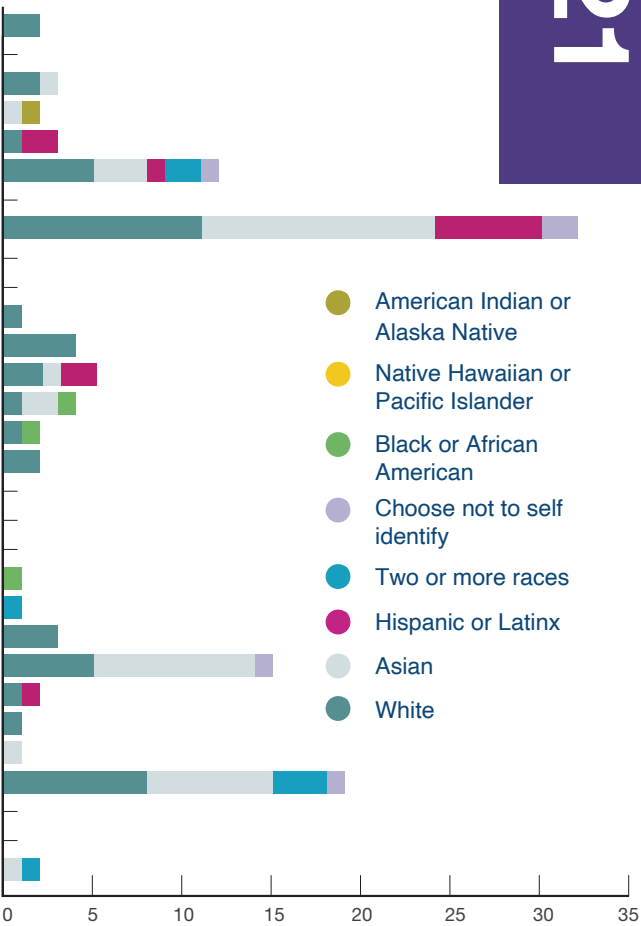
19%

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^{*}



Ethnicity by Division
Number of Interns[†]



[†]Does not include SCGSR interns.

By the Numbers: 2021

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

“ 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. ”

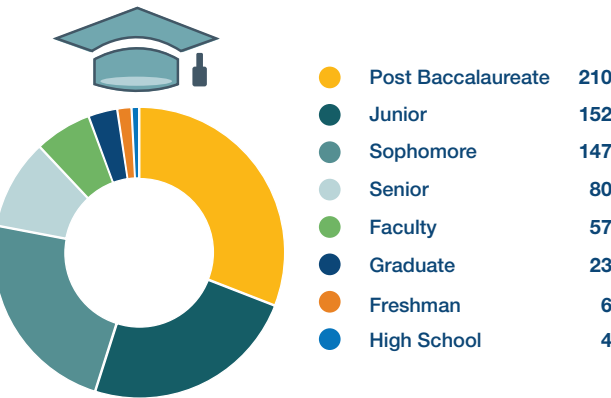
— Neslihan Taş,
Research Scientist
Earth and Environmental Sciences



Total Number of Interns 2017 – 2021: 679

Academic Status

Number of Interns†



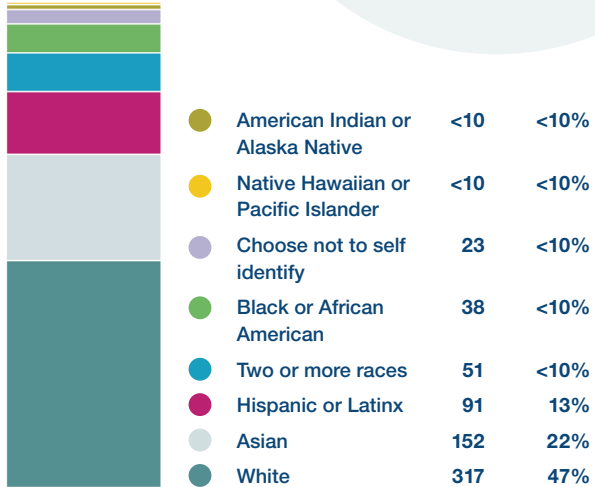
Male/Female Ratio

Percentage of Interns†



Ethnicity

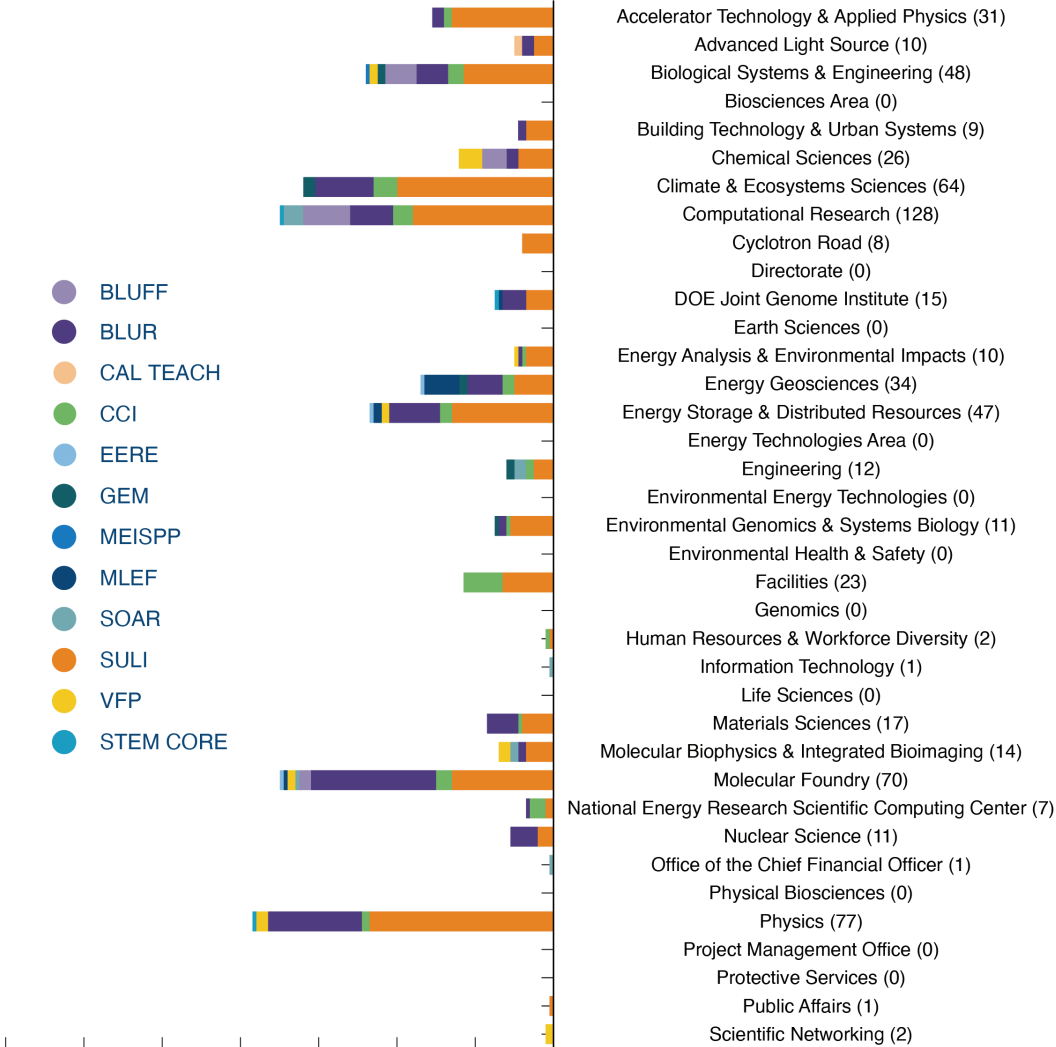
Number and Percentage of Interns†



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

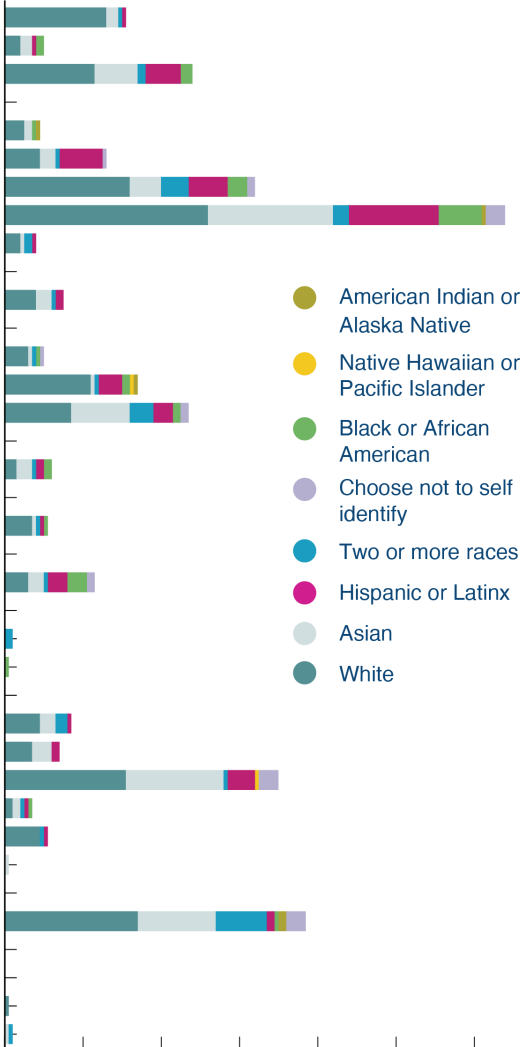
Internship Programs by Division

Number of Interns



Ethnicity by Division

Number of Interns†



†Does not include SCGSR interns.

By the Numbers: 2017 – 2021

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
612



STEM/Networking Activities
155



Posters
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.