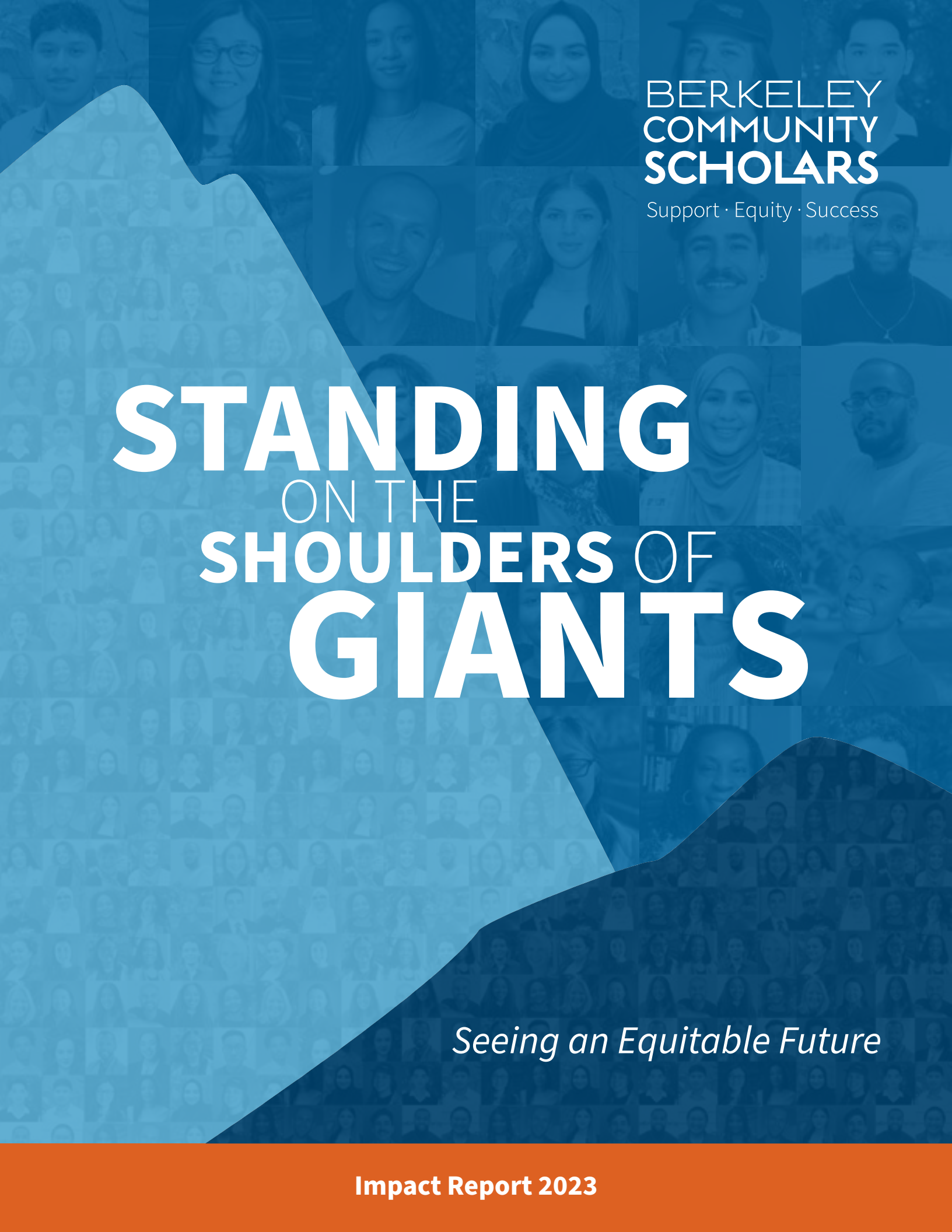


BERKELEY COMMUNITY SCHOLARS

Support · Equity · Success

STANDING ON THE SHOULDERS OF GIANTS

Seeing an Equitable Future

Impact Report 2023

Welcome to the Impact Report for 2022-2023!

Earning a college degree doesn't occur in a vacuum. It takes a proverbial village to get us all to the finish line. And it takes the support from the giants that surround us. These giants come in many forms: parents, teachers, mentors, and advisors. The reality is that everyone needs multiple people to lift them up. And, it's exactly why Berkely Community Scholars exists.

We've provided a platform to give Berkeley youth essential support from the giants in our community: mentors, advisors, career coaches, and donors. We helped over 100 students stay in college and saw 21 students earn a college degree while welcoming 31 new scholars into our program. Our strong and mighty team of five—Lynn, Colleen, Terrance, and SaVannah—helped these scholars stay on their journey toward having their dreams of a college degree become realities. Because of the support of our 15 board members, 65 mentors, and over 500 donors, we have been able to keep the work of our mission alive and well.

This report celebrates the achievements of our scholars during a year of immense change. Returning to campus after the tumultuous COVID pandemic—coupled with a racial awakening, economic tumult, and the climate crisis—students across the country were also challenged with three major developments affecting their college experience: hybrid learning, the use of standardized testing in admissions, and the end of affirmative action (read more about these "earthquakes" in higher education on Page 5). There is already a huge discrepancy in the achievement and opportunities available to students depending on their ethnicity and income. These new factors only exacerbate current obstacles. **This is where Berkeley Community Scholars comes in.**

Each year, we start our work with nearly 120 Berkeley High seniors to make a college degree a reality. Our four-tiered approach—advising, mentoring, career readiness, and scholarships—helps students get to the finish line to complete a degree. We hope to be able to include 35 new scholars to our program from the next graduating class. While students with comparable characteristics have a national graduation rate of 15%, **BCS students have a 73% college graduation rate and are working hard each day to move toward 85%**. Knowing that a college degree represents a truly life-changing trajectory for the future of each student and their family keeps us energized and motivated.

We, the BCS community, believe in the unique and remarkable potential of our scholars. We know that they can become leaders, solving the most challenging issues of our time: poverty, polarization, sustainability, inequity, and more. We invite you to join us as we walk alongside the next generation of leaders and citizens from Berkeley—supporting their bright, curious minds and helping make their dreams possible. Together as a community—one person, one scholar, one mentor, one donor at a time—we can make it happen!

With gratitude and hope,



Gwyneth Galbraith
Co-President



Janet Tam
Co-President



Sherry A. Smith
Executive Director



"BCS felt like I was standing on the shoulders of so many people supporting me."

—BCS Scholar



IN MEMORIAM



We lost our beloved Linda Osuorji in December 2022. Linda had been with the organization since 2017. She served as one of our College Success Managers, supporting our Bachelor's Degree scholars, and managed our mentor program, recruiting, interviewing, and selecting community members to walk alongside our scholars during their college journey. This loss has been felt widely and deeply amongst the scholars, volunteers, and staff who knew her. We continue our work in Linda's spirit and keep her passion and dedication with us as we move forward with the Linda Osuorji Memorial Scholarship.

Mission Statement

Berkeley Community Scholars empowers Berkeley youth who face racial, economic, and other barriers to achieving their college dreams by providing a unique experience of scholarships, advising, mentoring, and a community of support.

Our Values

These core values inform our mission and guide our actions:

Community. We are a caring and generous community that is built upon inclusion and belonging, respects our diverse heritages and experiences, and shares the joy and responsibility of supporting the success of our youth.

Equity. We believe our scholars deserve the opportunity to access the knowledge, networks, and resources that will empower them to define their own pathways to achieve their goals. We respect the experiences of—and engage our community in—the creation of our programs to ensure they are inclusive, effective, and relevant to our students' lives.

Education. We believe that a college education is a powerful force and a doorway to opportunity for students seeking a pathway to success, security, and joy.

Racial Equity Statement

The BCS board commits to advocating for racial equity, cultivating a sense of belonging, and dismantling the white supremacy that is inherent in the structures in which we operate. By intentionally placing racial equity and inclusion at the center of our mission, we will actively work to dismantle the racist structures, attitudes, behavior, and biases that cause harm to our scholars and community.

"A dream come true."

—BCS Parent



BOARD MEMBERS

Lila Beckford, Treasurer
Ina Bendich
Carol Brosgart, MD
Martin De Mucha Flores
Gwyneth Galbraith, Co-President
Rashida Hanif
Adena Ishii
Marcus Ison
Eric Jung, Secretary
Rosa Luevano, Vice President
Ursula Yearwood Rodriguez
Isle Daniela Rueda
Tina Self
Ann Smulka
Janet Tam, Co-President

BCS STAFF

SaVannah Hudson, Operations & Program Manager
Terrance Powell, College Success Advisor
Sherry Smith, Executive Director
Colleen Sparks, College Success Advisor
Lynn Walker, College Success Manager
Linda Osuorji, College Success Manager (In Memoriam)



Berkeley Community Scholars

History and Approach to College Success

OUR ARRAY OF SERVICES HAS GROWN TO REFLECT THE GROWING NEEDS OF BERKELEY STUDENTS.

Berkeley Community Scholars empower Berkeley youth who face racial, economic, and other barriers to achieving their college dreams by providing a unique experience of scholarships, advising, mentoring, and a community of support.

We believe that all Berkeley youth deserve the opportunity to achieve a future of success, security, and joy, and the support of a community who believes in them every step of the way. We work for racial and social equity so that our college-bound scholars—who embody the spirit, diversity, and values of our community—can access the resources to realize their dreams and aspirations.

In 2008, a group of concerned community members got together to see if they could change the trajectory of those who were being left behind in access to college and the completion of degrees. In a city that wishes everyone to have equal access to, and obtain a degree from, college, the reality was not congruent with the hopes. Berkeley Community Scholars was born to support students to find success in college and earn a degree.

We work with nearly 120 scholars who attended high school in Berkeley to see that college is indeed a reality. Our four-tiered approach—college success advising, community volunteer mentoring, career readiness, and scholarships—brings our students one step closer to completing a degree. Our scholars are the first generation in their families to go to college, live in the lowest economic quartile, and identify with an ethnic group that is underrepresented in higher education.

A college degree represents a life-changing trajectory for the future of each individual and the family members that they are in or bring into existence. Stronger educational attainment increases one's ability to stay employed, have access to health care, support their children in education, and have more stable personal relationships and an awareness of the global world in which they live. We believe that kind of return on investment (ROI) is worth every penny!

A Tumultuous Year: Changes in Higher Education

It was a year of immense change in our colleges and universities. These changes affect Berkeley Community Scholars students and how we deliver our programs immensely. While still experiencing the aftermath of returning to campus after the tumultuous COVID-19 epidemic, students are continuing to deal with three major social upheavals: racial awareness, climate change, and economic uncertainty happening in our world and on our college campuses. With these elements in the background, students have been navigating significant changes in academia as well.

The first is grappling with hybrid learning. The majority of classes on college campuses have returned to being conducted in person, but there are strong remnants of online learning that are now in the mainstream and here to stay. Some students thrive in that environment. Many are not. Research shows that only 15% of students complete any online course!

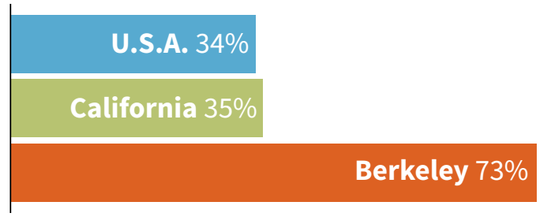
The next is the elimination of standardized testing. While this removal is a huge relief to many, it's changing admissions for everyone. The question becomes, has it made any major difference in who gets to be admitted and, as importantly, stays in college? In Jeff Selingo's newest book, *Who Gets In and Why: A Year Inside College Admissions*, students are applying to more colleges and the acceptance rates for selective campuses are getting smaller and smaller—most now under 15%. Ironically, for the majority of colleges and universities, admissions have become less selective, though that is rarely well-publicized. The over-saturation of information about a few extremely selective colleges creates a frenzy for high schoolers and their families. In the end, it has the general public asking why college? Is it worth it? Why bother?

And the final change is the end of affirmative action in college admissions. With the Supreme Court uniting to eliminate race consideration for all colleges in the application process, we face another possible downturn in students from ethnic groups as they again feel like they no longer belong or have a chance to be given an opportunity to pursue their dream of earning a degree. As three educators who have been living, working, and supporting students in the past two decades note, there is a great need for transparency to close the information gap for counselors. students and families. Recognizing the legacy of racism that has designated where people live, go to school, play in parks, swim, and get medical care is essential to us understanding the impact of this decision on the lives of our communities.

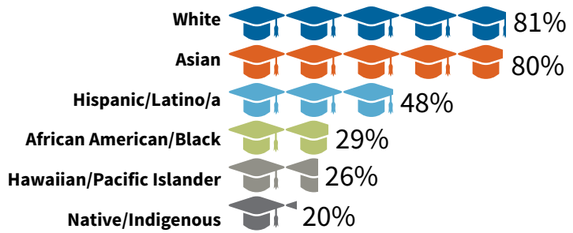
These three elements have made applying to college murkier and less transparent. No matter what "categories" applicants fall into, the basic understanding of how to apply and who gets in is confusing, complicated, and fraught with uncertainty and fear.

Berkeley is an anomaly to much of this conversation.

College Graduates (over age 25):



Berkeley ethnic groups with a bachelor's degree:



We have yet to see how these changes, which have occurred in the past three years, will affect admission statistics for the young people of Berkeley. How will the community support Berkeley's youth to become the leaders of tomorrow?



The BCS Way

A Four-Tiered Approach to College Success

For nearly 15 years, Berkeley Community Scholars (BCS) has been adjusting its program model to best support young people who begin college with multiple hurdles to overcome while working toward earning a degree. We've learned that apart from a student's determination and abilities, having a support system matters. Students who have people and resources backing them up are more likely to succeed in finishing college.

The BCS program model is designed to be a guiding star in higher education, helping young people find their path to college success and a degree. Our program offers a framework built upon the foundational elements of college success advising, community volunteer mentors, career readiness initiatives, and scholarships. At its core, this model recognizes the many resources needed for achievement.

COLLEGE SUCCESS ADVISING

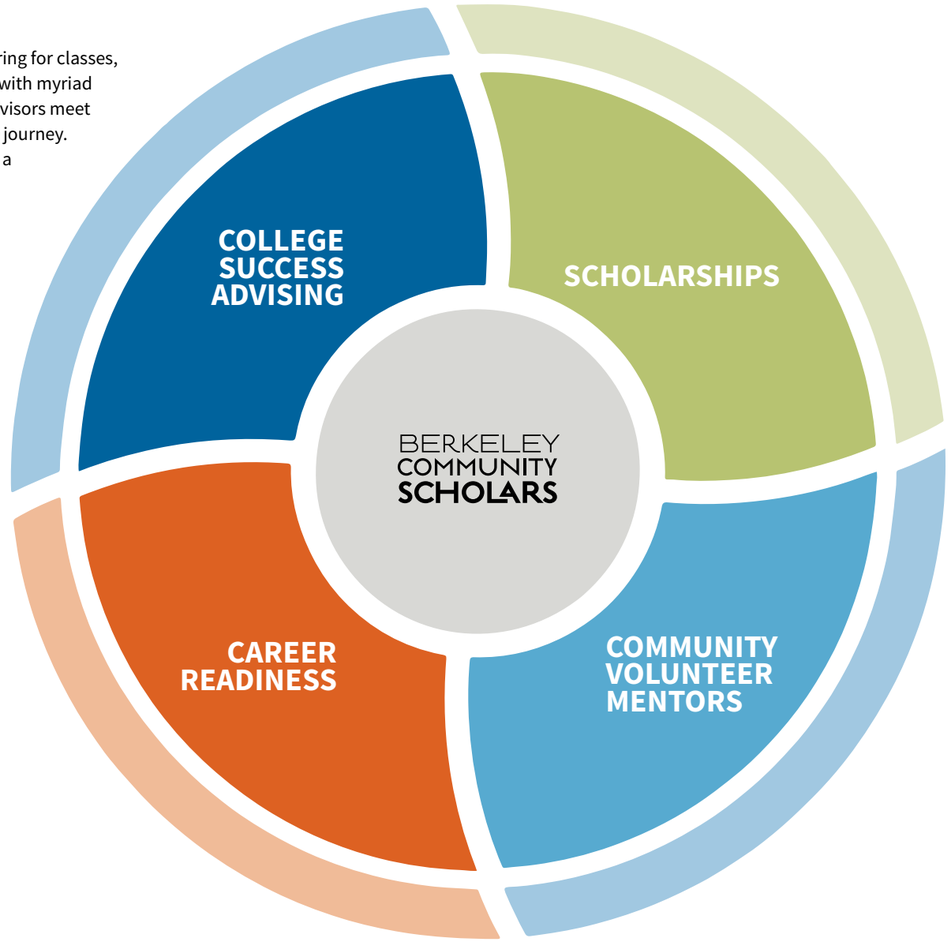
Whether it is financial planning, course selection, registering for classes, or the first day of college, our scholars are overwhelmed with myriad choices, and the BCS team is by their side. Our college advisors meet with scholars one-on-one throughout their entire college journey. Together, they build a plan to help students work toward a manageable progression that includes:

- Academic growth and success
- Social and emotional well-being
- Guidance from a community volunteer mentor
- College Success Workshops
- Financial Literacy Education
- Career Readiness
- Academic Course & Major Selection

CAREER READINESS

Our Level Up program is a partnership with RepresentED, an organization in the East Bay that prepares high-potential, historically underrepresented students and early-stage professionals for leadership roles in internships and jobs. In collaboration with RepresentED, BCS offers this eight-week series to prepare scholars for their entry into post-collegiate work. Through Level Up, scholars learn:

- Job and Career Searching
- Resume Writing
- Presentation Skills
- Growing Self-Esteem
- Networking
- Financial Literacy



SCHOLARSHIPS

In addition to the wide net of support delivered, BCS also provides each scholar with money to take care of educational expenses, including:

- Tuition and Fees
- Room and Board
- Books and Supplies
- Technology
- Transportation
- Personal Needs

Scholars receive between $500 and $2,000 per term, depending on whether they are attending a community college or a bachelor's degree-awarding institution.

BCS has two additional funds to support scholars throughout college that can be used to pay for additional class supplies, health care services, repairs or purchase of technology, or to fill a gap after losing a job:

- The **Finish Line Fund** enables scholars to extend their college journey an extra term to participate in a worthwhile program or experience.
- The **Emergency Fund** is available throughout the year and provides scholars access to additional resources in as little as 7 to 10 days to address unexpected financial needs and emergencies.

COMMUNITY VOLUNTEER MENTORS

Our Community Volunteer Mentor program matches each scholar with a mentor from the community when they join BCS. A diverse group of over 100 mentors work with our scholars to support them through their college and early career experiences. Mentors reach out to scholars approximately once a month to lend an ear, a voice, or a hand.

Mentors work alongside their scholar's academic success advisors to create a cohesive support system lasting between two and four years. They receive training from BCS and participate in quarterly peer-mentor meetings, where they can share resources and be part of a caring community who supports the success of a young adult's life.

Spotlight on Mentoring



*"BCS is more than a scholarship; it is a **college success program**, so if we can get more support, we could support even more students."*

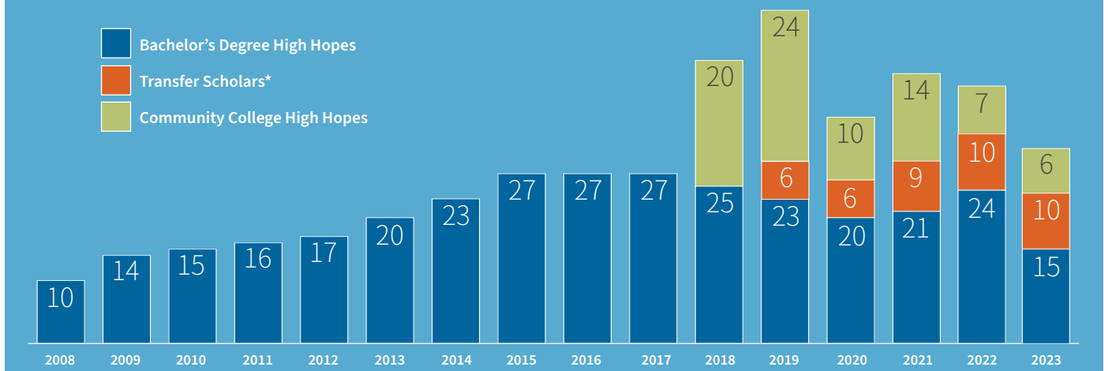
—Mary, BCS Mentor

*"**My advisor is the greatest help** you can ever have while in college."*

—Ken, BCS Scholar

SCHOLARSHIPS AWARDED, 2008-2023

The BCS college success program started in 2008 with the organization's support of 10 scholars. As of the 2023-24 school year, the program has supported **434** scholars on their path towards earning a bachelor's degree, including students attending community college and those attending four-year colleges and universities.

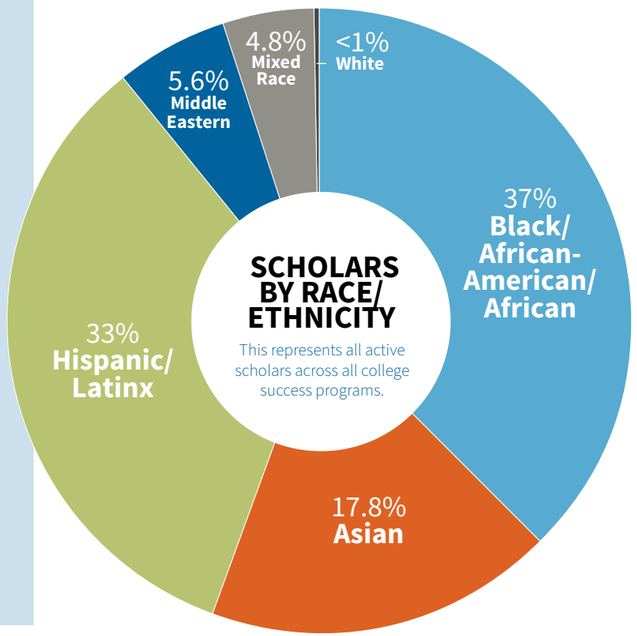


* From Community College High Hopes to Bachelor's Degree High Hopes

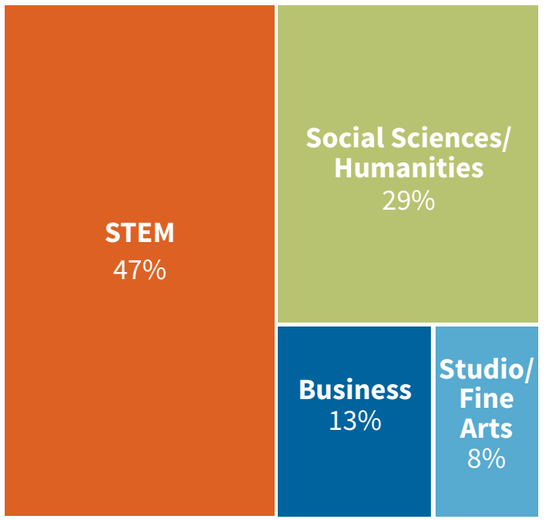
BCS By The Numbers

Colleges and Universities Attended

Barnard College
Berkeley Community College
California State University East Bay
California State University Dominguez Hills
California State University Fresno
California State University Humbolt
California State University Long Beach
California State University Los Angeles
California State University Monterey Bay
California State University Northridge
California State University Sacramento
California State University San Francisco
California State University San Jose
Contra Costa Community College
Diablo Valley College
Holy Names University
Howard University
Middlebury College
Mills College
Parsons School of Design
Stanford University
Texas Southern University
University of California Berkeley
University of California Davis
University of California Irvine
University of California Los Angeles
University of California Merced
University of California Riverside
University of California Santa Cruz
University of California Santa Barbara
University of Chicago
University of Denver
University of Illinois
University of LaVerne
University of San Diego
University of San Francisco
University of Southern California
Wesleyan University
Xavier University



COLLEGE MAJORS



Note: Data is for active scholars who have declared a major.

DID YOU KNOW?

87%

of our scholars are the first in their family to attend college.

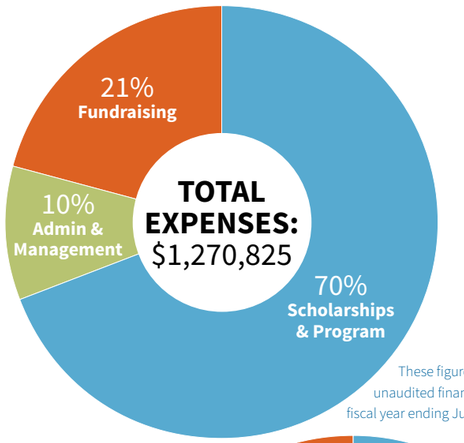
82%

of our scholars live in the lowest economic quartile & students who live in households which qualify for PELL or/and Free and Reduced Lunch.

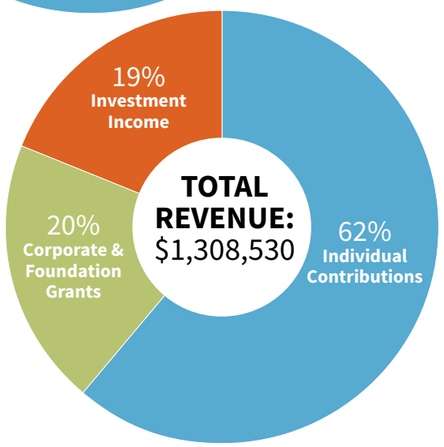
FY2023 Donors

We are grateful for those in the community who supported our scholars' access to our four-tiered approach of advising, mentoring, career readiness, and scholarships. **The following community members ensured funding for the entire journey of a scholar in either our bachelor's or community college programs for the 2023 scholarship cohort:**

The Angell Rev Intervivos Survivors Trust
Anonymous
A. George Battle Family Foundation
Carol Brosgart, MD & Joseph Gross
Dina Honda
Karen Meryash
Robert & Ester Rice Survivors Trust
The Nancy P. & Richard K. Robbins Family Foundation
Beth Sawi
Patricia & Merrill Shanks
Ann Smulka & Bob Blackburn
Susan Taylor & Robert Fabry
The Voleon Group
Wareham Development Corporation
Deborah Arthur & Jeffrey Soller



These figures represent unaudited financials for the fiscal year ending June 30, 2023.



Lisa Aliferis & John Storella
Paola Alonso
Arnie Alvarez
Amazon Smile
Jane Andersen & Michael Timpane
Nanette & Rex Andrews
The Angell Rev Intervivos Survivors Trust
Anonymous
Darius Ansari
Ann Armstrong
Deborah Arthur & Jeffrey Soller
Autodesk
Esther Ayorinde-Iyamu
Linda & Mike Baker
A. George Battle Family Foundation
MP Bausch
The Bayer Foundation
Lila E. Beckford
Diane & Edwin Bernbaum
Peter J. & Nancy K. Bickel
Carol Bieri & Joel Sanders
Dr. Arlene Blum
James Blume & Kathryn Frank
Todd Boekelheide & Jen Bradwell
Ragna Boyton
Todd & Helena Brantley
Robert Gailey & Sara Brody
Carol Brosgart, MD & Joseph Gross
Arai Buendia
George N. Buffington
Diana Burden & Alan Levy
Jennifer Burroughs & Michael Rowe
Marilyn & Lawrence Capitelli
Indu Chandrasekhar
Cindy Chang & Christopher Hudson
Kelly Chang & Hans Kellner
Helen & Paul Chapman
Chevron
City of Berkeley Civics Arts Grant
Jen Cogley
Andrew Cohen
Diana Cohen & Bill Falik
David Cost & Kate Stechschulte
Creating Healthier Community
Chris & Lynn Crook
Rosemary & William Daggett
Venus & Narsai David
Donna DeDiemar & Chris Hamilton
Donna & Robert Deutsch
Reed Dillingham
Franes Dinkelspiel & Gary Wayne
Direct Line Tele Response
Tamara & Richard Dishnica
Gwendolyn Donaker
Linda Dow & James Morgenstern
Eugene Drew
Maria Echaveste & Christopher Edley
Elizabeth & Norman Edelstein
Miriam Eisenhardt & Edward Murphy
Louise & Jacob Epstein
Lisa Esherick
Tina Etcheverry
Merle & Michael Fajans
Donald Falk
Debra Farb & Eric Sippel
Elizabeth & Charles Farnsworth
Claire Ferrari & Chris Boas
Elizabeth Fishel & Robert Houghteling
Molly & Harrison Fraker
Fremont Group
Mr. Peter Fuentes-Afflick
Roberta Furger
Linda Schacht Gage & John Gage
Gwyneth & Mark Galbraith
Cathy Gallagher & Marty Jay
Trudi & Bruce Garland
Mia Georgiu
Sandra & Richard Gilbert
Susie & Rob Goodin
Rosemary Graham
Marti & David Grubb
Michele Guide
Matthew Gutschenritter
Melinda Haag & Chuck Fanning
Marianne & Eric Haesloop
Loni Hancock & Tom Bates
Rashida Hanif
Ann Hanscom
Frances Hellman & Warren Breslau
Susan Helmrich & Richard Levine
Bill Helvestine
Jennifer & Gary Hoachlander
Ann-Marie Hogan
Nancy & John Holleman
Ira Holston
Dina Honda
Tom & Hilary Hoynes
Kathy Huff
Lynn & Robert Hunt
Janet Huseby & Robert Smith
Daniel Iacofano, CEO, MIG, Inc.
Stephen Isaacs
Marcus Ison
Mary & Marc Jacobs
Maria Isabel & Tu Jarvis
Jetton Construction
Pam & Ted Johann
Chris "CJ" Johnson Foundation Inc
Deborah Jordan & Andrew Pollack
Nadine Joseph & Neil Goteiner
Eric Jung
Rohan Kalbag
Katie & Jason Kaneko
Patricia Kates & Henry Brady
Stephen Kaus
Shelly Klop & Robin Packel
Anna Kondolf & Peter Brock
Jackie Krentzman
Kruse Plumbing & Heating
Lamprey Family Fund
Lawrence Berkeley National Laboratory
Fran Layton
Maya Lefao
Levitch Associates, Architects + Builders
Deborah Lewis & Martin Myers
Kathleen Lopes
Joann & Martin Lorber
Judith & Stanley Lubman
Rosa Luevano & Charles Marston
Linda & Steve Lustig
Jo Anne & Theodore Lyman
Deborah Machta
Laura Neese Malik
Barbara & Kim Marienthal
Susan Marinoff & Thomas Schrag
Tatiana Marquardt
Merideth Marschak
Emily & H. William Marthinsen
M. Mayzes
Lauren McIntosh & Stephen Walrod
Stephanie McKown & John Brennan
Rabex Measolys
Susan Medak & Gregory Murphy
Ellen Meltzer & George Porter
Karen & Michael Meryash
Anne Mester
Christina & Michael Meyer
Ivan & Maris Meyerson
Lisa Miller
Jennifer Sitkin Morgan & Jon Morgan
Morris Dantzker Foundation
Zara & Dennis Muren
Julie & Fred Nachtwey
Melissa Nelken & Ronald Lee
Network for Good
Jeffrey Newman
Steve Nierlich & Tienne Lee
Julie & Ted Obbard
Amy & Garet O'Keefe
Dorothy Osuorji
Judy & Dick Otter
Pacific Gas & Electric
Ann & Michael Parker
Deron Pease
Jessica Pers & Robert Stein
Johanna Pfaelzer & Russell Champa
John & Joan Phillips
Debra Plousha-Moore
Toby & Bertram Pohl
Denise Powell
Alan & Teresa Pricco
Ratcliff Architects
Ellie Ratcliff
Rebecca Ratcliff Jones & Kenneth Jones
Ann & John Rhode
The Nancy P. & Richard K. Robbins Family Foundation
Robert & Ester Rice Survivors Trust
Deborah Robison & Dennis Cohen
Pamela Rodriguez
Matt Rogers & Yvonne Gonzalez Rogers
Jules Roman
Deborah & Michael Roosevelt
Shelly Ross & Paul Churchill
Jane Rubin
Daniela Rueda
Rue-Ell Enterprises, Inc.
Joleen Ruffin
Aimee & Augie Sanchez
Beth Sawi
Holly Scheider & Dan Feinberg
David Shanks
Patricia & Merrill Shanks
Carol Shen
Susan & Stephen Shortell
Edie Silber & Steve Bomse
Sandy Simon & Robert Brady
Margaret Simpson & Douglas Booth
Amrita Singhal & Michael Tubach
Sherry Smith & Phillip Arca
Karen Smith & Jon Enscoe
Bruce Smith
Sherry & Judd Smith
Ann Smulka & Bob Blackburn
Elisabeth Snow
Colleen Sparks
Kate Spohr
Michael Spolan
Christine Staples & Joel Ager
Patricia & Peter Sussman
Deebie Symmes & John Hood
Janet Tam & Kit Ratcliff
Jennifer Tang
Marcia Tanner
Susan Taylor & Robert Fabry
Thomas Taylor
Gail & William Tennant
Ziada Tewelde
Hon. Jon Tigar & Caroline Avery
Virginia Tormey
Michael Traynor
John True III & Claudia Wilken
Micki & William Turner
Charles Turner
Tamara Uecker & Christopher Ohman
Naomi & Bruce Usher
The Voleon Group
Helen Walker
Wareham Development Corporation
Karen Weil & Mark Morris
Michael White
Ellen Widess & Rick Warner
Asha Wilkerson
Dilys & Saul Winegrad
Jane Wise
Otis & Teresa Wong
Evie & Gordon Wozniak
Becky & Morris Wright
Karen Yencich & Kyle Davy
YMCA of the East Bay
Scott Young
Hammad Zahid

KEY CONSULTANTS AND VOLUNTEERS

Autumn Press
Breath of Fresh Air
Classroom Matters
Crosby and Kaneda
Dalbir Singh
Janelle Shum Ng
Krishna Copying
Mia Georgiu
NPI - Financial Management
Paul O'Leary
RepresentED
Sharon Hawkins Leyden

This list represents our key resource partners from July 1, 2022 to June 30, 2023. Under an equity framework, we have chosen to omit giving levels in this Impact Report. We make every attempt to recognize names accurately.

MENTORS

Alejandra Alas
Sandy Alegria Hernandez
Wintana Alem
Jose Alfaro
Paola Alonso
Natnael Amare
Rosemary Arca
Philip Arca
Amy Billstrom
Eric Bjerkholt
Peter Brock
Carol Brosgart
Ellis Burgoon Miskell
Jennifer Burroughs
Julie Cai
Robert Calzaretta
Linda Cogozzo
Anna Connoly
Andrew Crispin
Ryan Darfler
Hannah Davidman
Antoinette Davis
Yash Deshpande
Robert Deutsch
Stanford Dickerson
Leah Dillingham
Clem Donahue
Faith Dukes
Richard Edwards
Tina Etchverry
Ify Ezimora
Patricia Fortier
Molly Fraker
Brian Frieson
Rosemary Graham
Jonathon Hampton
Sarina Hunyh
Tina Hwang
Adena Ishii
Mary Jacobs
Cameron Jones
Eric Jung
Rohan Kalbag
Monique Keo
Rita Lang
Katie Lauer
Michael Lewis
Nikki Lindquist
Joann Lorber
Lisa Miller
Bianca Mondares
Thera Naiman
Robin Packel
Lisa Parks
Deron Pease
Mae Petti
Tatiana Ramos
Reza Rezvani
Ovi Roatis
Dawn Robinson
Lizett Rodriguez Pena
Brittin Romero
Jane Rubin
Jeffrey Rugley
Louanne Scordato
Dalbir Singh
Aeleah Soine
Kate Stechschulte
Rick Suber
Lisa Vogel
Alex Wallash
Floyd Watson
Asha Wilkerson
Ryan Wineman
Elisha Wood-Charlson
Yilin Xu
Scott Young

BERKELEY COMMUNITY SCHOLARS
P.O. Box 680
Berkeley, CA 94701

NONPROFIT
ORGANIZATION
U.S. POSTAGE
PAID
PERMIT NO. 8502
OAKLAND

2023 College Graduates

Michael, CSU East Bay, Communications

Maria, UC Santa Barbara, Geography

Abril, American University, Communications, Legal Studies, Economics, and Government

Leonardo, UC Santa Barbara, Film and Media Studies

Amira, UC Berkeley, Neurobiology

Milagro, UC San Diego, International Business

Blessing, UC Riverside, Information Systems

Marcos, UC Merced, Management Economics

Sukhdeep, CSU San Francisco, Business

Grace, Occidental College, Black Studies

Lauren, Claremont McKenna College, Media Studies

Jason, UC Riverside, Business Economics

Ryan, UC Los Angeles, Pre-Business Economics

Amani, CSU San Francisco, Sociology

Segen, UC Los Angeles, Psychology and African American Studies

Daisy, CSU Sonoma, Psychology

Bouchra, Samuel Merritt University, Nursing

Monica, UC Berkeley, Sociology

Daija, CSU Northridge, Public Health

Ruofeng, UC Berkeley, Computer Science and Economics

Zihao, UC Berkeley, Computer Science

